# King County Water Taxi

# FINAL REPORT ON FERRY EXPANSION OPTIONS FOR MARINE DIVISION



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS with Berk Consulting, Inc. NOVEMBER 25, 2015 (Page left intentionally blank)

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# **EXECUTIVE SUMMARY**

#### INTRODUCTION

The purpose of this study is to assess the viability and feasibility of passenger-only ferry service expansion options in Puget Sound and Lake Washington. It was developed in response to a proviso in the 2015-2016 King County adopted budget.

#### **EVALUATION METHODOLOGY**

The methodology for this assessment builds upon work completed to date, with a focus on analyzing implementation of regular, year-round, commuter-based King County Water Taxi (KCWT) service at start-up and route maturity. The analysis is based on a three-step evaluation method.

The first step of the analysis identified 36 potential route combinations for analysis. The second step was to evaluate route time competitiveness to other transit options, with the third step to analyze operational cost and potential revenue generation at a start-up condition (2015), as well as a mature route condition (2025). A thorough ridership analysis was completed to inform revenue projections for each route. Operational costs were estimated using actual operating costs. Existing fare policy guidelines and standard county escalation factors were used to project mature route service costs and revenues.

#### SERVICE ASSUMPTIONS AND CHARACTERISTICS

The service level assumed for these expansion routes is similar to the existing Vashon Island route, which focuses on the AM and PM peak commuter hour ridership with no midday, extended evening or weekend service.

One important assumption in this report is the need for high-speed vessels (35 knots<sup>1</sup>), necessary for the routes to be time competitive with other transportation options. Vessel type is expected to be a 150-passenger (or less) vessel that is capable of meeting the speed requirements of each route, being highly maneuverable, and based on the ridership levels projected as part of this analysis in start-up and mature route conditions.

#### **ROUTE EVALUATION**

The route evaluation is comprised of two primary evaluation criteria leading to an identification of potential water taxi expansion routes. These criteria include overall time competitiveness (as compared to the other modes of travel) and net operating cost/required operating subsidy, which is determined by forecasting ridership and estimating fare revenue and then comparing projected fare revenue to operational costs, calculated as farebox recovery for each route.

#### Time Competitiveness

The time competitiveness was evaluated against the alternative transit mode commute times. Any route with a round-trip travel time differential of 40 minutes or less was considered time competitive and moved on to the next step in the analysis.

Generally, the water taxi is a longer trip than the competing modes of travel studied in this report (bus, light rail, and personal vehicles). The study identified that personal vehicle travel is generally faster than the water taxi but significantly more expensive with fuel costs, vehicle wear and tear, tolls and parking in downtown Seattle, which can range from \$10 to \$30 a day. Transit and personal vehicle also experience more variability in travel times as they are subject to roadway congestion on arterials and highways.

The time competitiveness evaluation resulted in 11 of the 36 routes maintaining the 40 minutes or less total round-trip time differential. Those 11 routes were narrowed to seven as the University of Washington-Waterfront Activity Center (UW WAC) was identified as the west Lake Washington hub due to its location, destination draw and ability of passengers to make connections to other modes (Link light rail, bus, and regional trails).

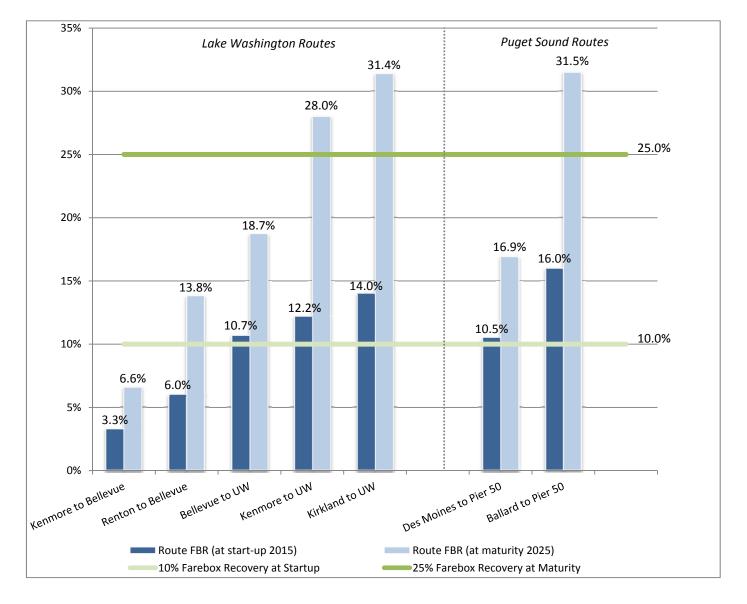
<sup>&</sup>lt;sup>1</sup> A knot is a unit of speed equivalent to one nautical mile per hour (or 1.15 miles per hour), used especially of ships, aircraft, and winds.

#### **Cost of Operation**

The next step in the analysis was to look at the net cost of operating each new route. Each route was measured at a start-up condition (2015) and a mature condition (2025).

Generally, each new proposed route has a similar operating cost, with the exception of fuel and shuttle costs, which vary by route.

When the data was compiled, natural breaks in the data were apparent in the 2015 farebox recovery rates. Two routes, during startup conditions had farebox recovery rates lower than 10 percent – and were eliminated from further analysis. For a mature route condition in 2025, a farebox recovery rate of 25 percent (established in King County policy) was used as the evaluation criteria. Three of the remaining routes met this criterion and are proposed for further consideration. Refer to Figure EX-1.



#### Figure EX-1: Farebox Recovery Projections by Route

The three routes which met the evaluation criteria and are proposed for further consideration include the following (please refer to Figure EX-2):

- Kenmore to University of Washington (Waterfront Activity Center)
- Kirkland to University of Washington (Waterfront Activity Center)
- Ballard to Downtown Seattle (Pier 50)

#### Figure EX-2: Routes Proposed for Further Consideration



#### IMPLEMENTATION REQUIREMENTS

Implementation requirements include the capital improvements needed to launch and maintain service, which include new vessel, terminal infrastructure, parking, and upland improvements. The UW WAC terminal would require the most improvements, including a new in-water facility and upland improvements. All other terminals, including Kenmore, Kirkland, Ballard and Downtown Seattle (Pier 50) would require minimal in-water and upland improvements as current infrastructure is in place. The Kenmore and Kirkland routes would utilize a shuttle service as an alternative to bringing passengers to the terminal.

#### AGENCY/JURISDICTION OUTREACH

Communication with potential terminal location jurisdictions and transportation planning agencies has occurred throughout this work to inform agencies on the purpose and evaluation process of this report, and most importantly to understand key issues or obstacles that are present or perceived. Planning to implement a new water taxi route would require substantial additional coordination to develop interagency agreements to address operational needs or address other obstacles identified.

#### **EQUITY AND SOCIAL JUSTICE (ESJ)**

Equity and social justice implications were evaluated using a three-step approach. Evaluation of data identifying ESJ populations in proximity to the routes studied indicates that existing and proposed transit alternatives are more convenient (time competitive) and have lower fares than what new water taxi service would offer.

#### **NEXT STEPS**

The next step for the Ferry Expansion Options report, after it is submitted to the King County Council in late November 2015, is review, input and action by the King County Council that is expected to occur starting early spring 2016. The King County Executive may also use this report in his consideration on providing direction to the King County DOT, Marine Division as to whether an expansion of the existing KCWT service should be included in future biennium budget development.

# INTRODUCTION/BACKGROUND

#### INTRODUCTION

The purpose of this study is to assess the viability and feasibility of passenger-only ferry service expansion options in Puget Sound and Lake Washington. It was developed in response to a proviso in the 2015-2016 King County adopted budget that stated, in part:

Of this appropriation, \$150,000 shall not be expended or encumbered until the executive transmits both an interim and a final report on ferry expansion options and motions that approve the reports and the motions are passed by the council. The motions shall reference the subject matter, the proviso's ordinance, section and proviso number in both the title and body of the motion.

The reports shall include, but not be limited to, an assessment of passenger only ferry expansion options, consistent with the ferry district's strategic plan, that builds on new transit options that are projected to be delivered through Sound Transit's University Link and other funded regional transit expansions being delivered in the next decade.

This assessment should include assessments of facilities, service options and cost estimates for both capital and operations and community interest and readiness. The interim report shall summarize the work and results to date.<sup>2</sup>

#### BACKGROUND

In 1994, King County began operating demonstration Water Taxi service to West Seattle during the summer season (April-October). The King County Ferry District (KCFD) was formed in 2007 under authority granted by the Washington State Legislature in 2006<sup>3</sup> and was authorized to implement a property tax levy. In 2008, the KCFD contracted with the King County Department of Transportation's newly created Marine Division to operate service on the West Seattle and Vashon Island passenger-only ferry routes. Service on both routes has been operating year-round since 2010.

The State approved business plan for the KCFD included provision of passenger-only ferry service with growth over time. In mid-2009, an addendum to the interlocal agreement between the KCFD and King County Marine Division (KCMD) was adopted and authorized the KCMD to study 20 demonstration passenger-ferry routes and to plan for the rollout of five routes to be approved by the KCFD. Routes on Puget Sound and Lake Washington were analyzed with a focus on short-term, seasonal service requiring relatively little capital investment. The evaluation reviewed route options, estimated ridership, assessed infrastructure needs and community readiness/willingness to participate. In late 2009, in response to the economic recession, the KCFD directed the demonstration route study to be shelved and reduced the property tax levy beginning in 2010.

In spring 2014, the state passed legislation<sup>4</sup> authorizing the County to adopt an ordinance to assume the "rights, powers, functions, and obligations" of the KCFD. The King County Council, in a move to increase efficiency in the administration of Water Taxi service for the county, assumed the "rights, powers, functions, and obligations" of the KCFD<sup>5</sup> effective January 1, 2015.

In their new oversight role, the County Council directed the KCMD to revisit the 2009 study and expand the analysis to incorporate potential new long-term, passenger-only route service expansion opportunities, as outlined in the King County Ferry District Strategic Plan.

<sup>&</sup>lt;sup>2</sup> King County Ordinance 17941 Section 94, P1, as amended by King County Ordinance 18110 section 39, P1

<sup>&</sup>lt;sup>3</sup> Engrossed Senate Substitute Bill 6787

<sup>&</sup>lt;sup>4</sup> Substitute Senate Bill 6216

<sup>&</sup>lt;sup>5</sup> King County Ordinance 17935

#### King County Ferry District Strategic Plan Excerpt:

#### "Determine feasible routes for expansion of passenger-only service within King County. The

Demonstration Route Study from 2009 identified several potential new routes for expansion. However, the study needs to be updated and refined given changes in the regional economy and new factors. For example, the opening of the University of Washington light-rail connection starting in 2016 may make north Lake Washington routes, such as Kenmore to the University or Kirkland to the University more feasible. The route study should be updated prior to long-term funding decisions in order for any potential new routes or service to be considered as part of the District's future financial needs."

The focus of this study is to:

- Summarize and build upon work completed to date;
- Analyze the impact of new transit options projected to be delivered in the region in the next decade (Sound Transit light rail, highway modifications, tolling, etc.); and
- Assess facilities, service options and cost estimates for both capital and operations along with community interest and readiness.

The approach for this study is outlined below, which builds upon work completed to date and, analyzes implementation of regular, year-round, commuter-based King County Water Taxi (KCWT) service at start-up and route maturity.

This final report has been edited to address comments received by the King County Council's Transportation, Environment and Economy Committee. A full outline of topics/questions with their responses can be found in Appendix F of this document.

#### **EVALUATION METHODOLOGY**

The evaluation was conducted using a three step process. Each step in the process served to gather and/or evaluate information and eliminate potential expansion routes. Figure 1 graphically depicts the general project approach.

#### First step: Identify potential routes. This

was done by drawing from past work along with input from water-side cities/communities possibly served by new service. Data was gathered from the existing and expected future local and regional transit systems to understand where transit connections would be best-suited for ferry service.

#### Second step: Evaluate route time

**competitiveness.** Compare potential future water taxi routes to other modes of transportation (bus, express bus, light rail and personal vehicles).

#### Third step: Analyze ridership and farebox

**recovery.** Those potential routes with the strongest time competitiveness were then analyzed for ridership potential in a start-up and mature service condition. The ridership data was used to estimate potential revenue, which when compared to projected operating costs led to the calculation of farebox recovery. Farebox recovery (FBR) was the final evaluation criteria. Routes were examined based on a start-up and mature route FBR.

#### Figure 1: Evaluation Methodology Diagram

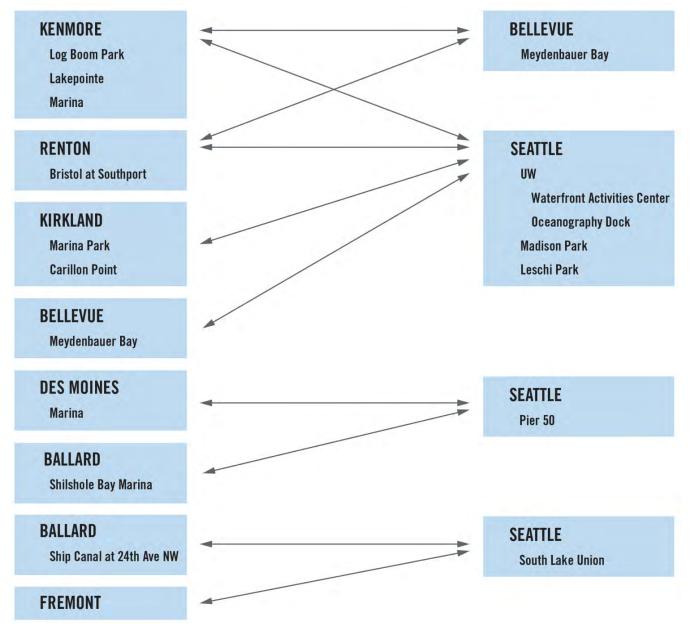


## **ROUTES IDENTIFIED FOR CONSIDERATION**

#### FOCUS: Build upon work-to-date and identify routes to be considered in analysis.

Potential terminal locations were identified by the project team, building upon past work, updating for current conditions and input from waterfront cities/communities/agencies. The project team reached out to those cities/communities identified, as well as other known interested parties, to provide an opportunity to participate in identifying routes and provide feedback on potential terminals. Figure 2 lists the terminals identified for further analysis and consideration, which include 36 potential route combinations.

#### **Figure 2: Terminal Locations Considered**

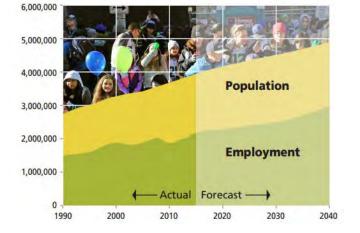


## **REGIONAL TRANSPORTATION PROJECTS**

FOCUS: Analyzes the impact of new transportation options projected to be delivered in the region in the next decade (Sound Transit light rail, new highways, tolling, etc.)

The Central Puget Sound region and King County is rapidly growing in both population and employment. This growth will put additional travel demands on the existing transportation system which is already experiencing high levels of congestion during the AM and PM peak periods. The KCWT is one mode of public transportation, integrated with the public transit network, working to relieve congestion pressure within the region and provide alternatives for commuters. Figure 3 illustrates the linear climb in population and employment projected over the next 25 years, which will have an impact on transportation systems in the region.

Cities, counties, state, local and regional transit agencies, and the Puget Sound Regional Council (PSRC) have been and will continue to collaborate on the long-range transportation vision for our region. Currently, King County Metro, Sound Transit, Washington State Department of Transportation and the City of Seattle are in the process of studying, developing and updating Figure 3: Expected Growth in Employment and Population



Source: "Status Report on the Region's Transportation System and Plans to Improve it," Puget Sound Regional Council, April 2015.

their long range plans scheduled for completion over the next several years.

During the 2015 Legislative session, Sound Transit and Kitsap Transit were given new local options to seek additional funding. Sound Transit was authorized to seek voter approval for additional funding that would enable a Sound Transit 3 (ST3) program of improvements; ST3 is expected to be on the November 2016 ballot. Sound Transit is currently working with the community, transit agencies and other stakeholders to develop the package of improvements to be included in the ST3 proposal. Kitsap Transit was given the authority to form a new Passenger Only Ferry Service District inside their boundaries. It is expected that Kitsap Transit will take steps on whether or not to move forward with a ballot measure in 2016.

#### Transportation Activities between 2009 and Current Study

Since the previous study of demonstration routes completed in 2009, there have been multiple changes to the region's transportation system that will have influence on the viability of new water taxi routes. These changes include:

- Implementation of Bus Rapid Transit by King County Metro (six RapidRide lines) and Community Transit (SWIFT).
- The Great Recession which led to reduction in Sales Tax revenues and service cuts by transit agencies throughout the Puget Sound region. Since the end of the Great Recession, the economy has slowly started to recover, and higher sales tax revenues have enabled the restoration of some of the service hours cut.
- Approval by voters in the City of Seattle in the fall of 2014 to increase transit service within the City by approximately15 percent.

Additionally, the state (WSDOT) began construction on the I-90 High Occupancy Vehicle (HOV) lane improvements and the Alaskan Way Viaduct Replacement Project. WSDOT also implemented the SR 167 High Occupancy Toll (HOT) lanes in 2008, on SR 520 in 2011, and at the end of September 2015 implemented Express Toll Lanes on I-405 between Bellevue and Lynnwood.

#### Transportation Improvements within the 10-year Planning Horizon

The following list includes current and potential transportation projects in the 10-year planning horizon that may have an impact on potential water taxi routes outlined in the previous section. These include Lake Washington routes and routes on Puget Sound from Ballard and Des Moines. Figure 4 identifies the improvement projects along with the potential water taxi routes.

Regional Transportation Projects in Design/Construction (funded)<sup>6</sup>:

- University Link Extension (2016)
- South 200th Link Extension (2016)
- East Link Extension (2023)
- Federal Way Link Extension (2023)
- Northgate Link Extension (2021)
- Lynnwood Link Extension (2023)
- SR 520 widening and bridge replacement between Seattle and Eastside (2017)
- I-90 two-way HOV project between Bellevue and Seattle (2017)
- I-405 widening and HOT lanes from Bellevue to Lynnwood (2015)
- SR 99 Viaduct Replacement (2018)

The following list is meant to provide a broader context of other regional planning efforts that are being worked on as part of the ST3 funding package. However, these projects are currently unfunded and would not be completed until well after the 10 year planning horizon (2025).

Potential ST3 Projects (currently unfunded):

- Light rail extension from Downtown to Ballard
- Light rail extension from Downtown Seattle to West Seattle/Burien
- Light rail extension from Burien to Lynnwood
- HCT corridor from Downtown along Madison Street
- SR-522 BRT
- HCT along 145<sup>th</sup> Street to SR 522
- HCT along I-405 from Lynnwood to SeaTac

The list of funded regional transportation improvement projects provided a perspective from which to view and analyze the opportunities and challenges of future water taxi routes, in both route time competitiveness and ridership demand. This analysis will be discussed in more detail in the following section, Route Evaluation.

Given this inventory of regional transportation improvements, some general findings regarding connectivity and competitiveness of potential terminal locations are as follows:

#### Well served by existing or new HCT:

- City of Bellevue (bus and light rail)
- City of Renton (express bus)
- City of Kirkland (bus)
- UW Waterfront Activity Center (bus and light rail)
- South Lake Union (street car, bus)
- Ballard/24<sup>th</sup> Street (express bus)
- Des Moines area (light rail in 2016)

#### Limited modal connections and/or HCT:

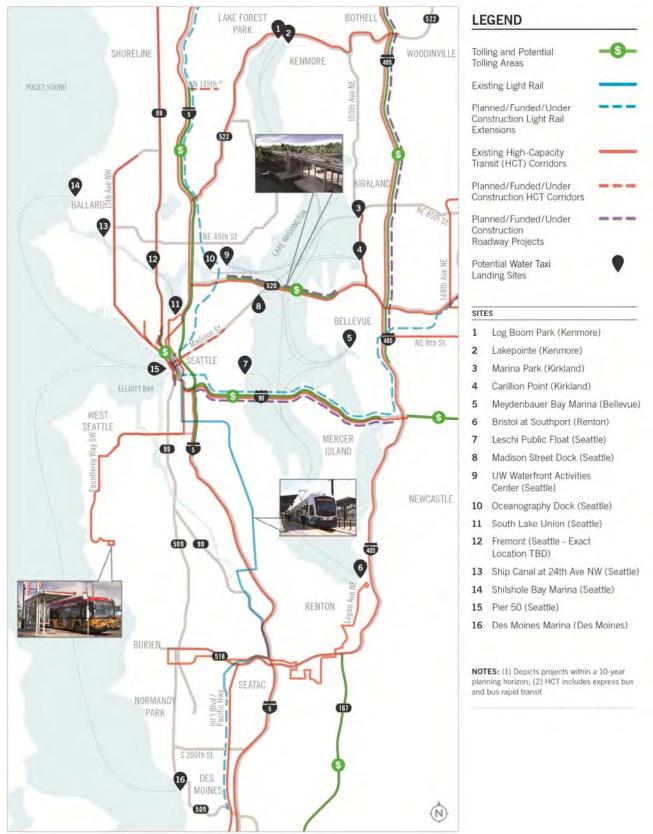
- City of Kenmore
- Leschi Park (circuitous transit route due to geography)
- Madison Park (limited down to water, new HCT connections proposed at Madison and 23rd Avenue).
- UW Oceanography Dock (indirect connections to HCT and Link light rail options for water taxi users to reach Downtown Seattle.)
- Ballard Shilshole Marina (marina disconnected from HTC and bus service)
- Des Moines Marina (Link light rail options are widely available for Des Moines commuters; however the Marina is somewhat isolated with limited connections.)

Figure 4 provides an overview of improvement projects within the 10-year planning horizon, along with the locations of potential water taxi routes.

<sup>&</sup>lt;sup>6</sup> Dates in parentheses are expected completion dates.

For the complete analysis of existing current and long-range transportation planning and improvement efforts within King County, please refer to <u>Appendix A</u>.

#### Figure 4: Regional Transportation Projects Map



## **ROUTE EVALUATION**

# FOCUS: Analyze how new water taxi routes compare to other modes, how many will use the service and how much will it cost to operate. Assess service options and operating costs.

The route evaluation is comprised of two major criteria, which leads to a final identification of potential routes to pursue as expanded water taxi service. These criteria include overall time competitiveness (as compared to other modes of travel) and cost of operation, which is determined through the identification of projected revenue and operational costs

#### **ROUTE TIME COMPETITIVENESS**

Many factors contribute to the transportation mode choice of commuters; with some of the most important being total commute time, connections to other modes, predictability of travel, and cost.

#### Approach

What contributes to one site being more competitive than another are factors such as: surrounding land uses, pedestrian accessibility, multi-modal connectivity, parking availability and cost. Time competitiveness can be determined by evaluating: travel time, parking availability/modal connections, and convenience of travel (i.e. amount of transfers to another mode). Figure 5 depicts the relationship of these three elements, all contributing to the time competitiveness of a route.

Current commute times, miles traveled during commutes, and seat changes were calculated using King County Metro and Google Map data. For comparison purposes, water taxi routes were based on a 35 knot<sup>7</sup> vessel cruising speed. An inventory of the King County Metro Park and Rides within the vicinity of the potential terminal location was determined and time competitiveness was calculated from the locations. Fares were based on the 2015 KCWT Vashon ORCA<sup>8</sup> fare of \$4.75 and the seat changes were assumed to begin once the commuter arrived at the nearest park and ride. Onsite parking was assumed at Lakepointe in Kenmore, Shilshole Marina in Ballard, Southport in Renton, and at the City of Des Moines Marina.

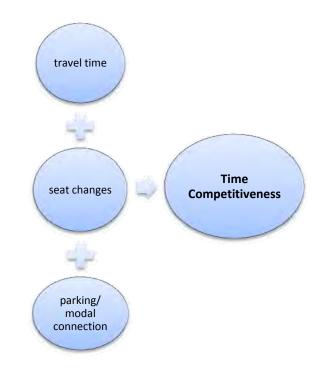
Land use compatibility was determined by reviewing local jurisdiction planning documents, such as local zoning, shoreline and comprehensive plan designations to see if the use was allowable. The full list of assumptions and backup data can be found in <u>Appendix B</u>.

Once the data was gathered, time competitiveness and commute trip cost was compared to transit (light rail, transit or a combination) and personal vehicle commute times.

#### **Evaluation Criteria**

Route time competitiveness was evaluated against transit commute times. While estimated travel times for personal vehicle commutes were gathered, this data was not used as an evaluation criterion. Any route with a round-trip travel time differential of 40 minutes or less was considered time competitive. A 40 minute round-trip time differential was chosen due the enhanced experience of riding a water taxi, reliable travel times, an available seat, on-board restrooms, and great scenic views.





<sup>&</sup>lt;sup>7</sup> A knot is a unit of speed equivalent to one nautical mile per hour, used especially for ships, aircraft, and winds.

<sup>&</sup>lt;sup>8</sup> The ORCA card is a contactless, stored value smart card used for payment of public transport fares in the Puget Sound.

#### Findings

Findings of the route time competitiveness analysis can be classified into four major areas:

- Time competitiveness
- Cost competitiveness
- Parking
- Land use compatibility

Generally, the water taxi is a longer trip than the competing modes of travel studied in this report. Personal vehicle travel is generally faster but significantly more expensive with fuel costs, vehicle wear and tear, tolls and parking in downtown Seattle that can range from \$10 to \$30 a day. Transit and personal vehicle also experience more variability in travel times as they are subject to roadway congestion on arterials and highway. The current water taxi service has an approximately 97 percent scheduled on-time departure and arrivals and is not impacted by roadway congestion. Water taxi service can offer enhanced amenities above other modes of travel, which include an available seat, restrooms, scenic trip, WiFi, reliable service, and emergency response capabilities.

The time competitiveness evaluation resulted in 11 routes maintaining the 40 minutes or less total round-trip time differential. Those 11 routes were narrowed to seven as the University of Washington Waterfront Activity Center was identified as the west Lake Washington hub due to location, destination draw and ability of passengers to make connections to other modes (Link light rail, bus, and regional trails). It should be noted that an alternate site in Kenmore is also under consideration. The Lakepointe site is under private ownership with redevelopment plans currently underway. The schedule for redevelopment is unknown. This site, once developed, will provide superior multi-modal access and it is recommended that parking be provided at this site to enhance water taxi ridership appeal. At this time the Log Boom Park site has been identified in the analysis as the preferred near-term alternative, however engagement with the Lakepointe development regarding the future of a water taxi terminal on this site is recommended.

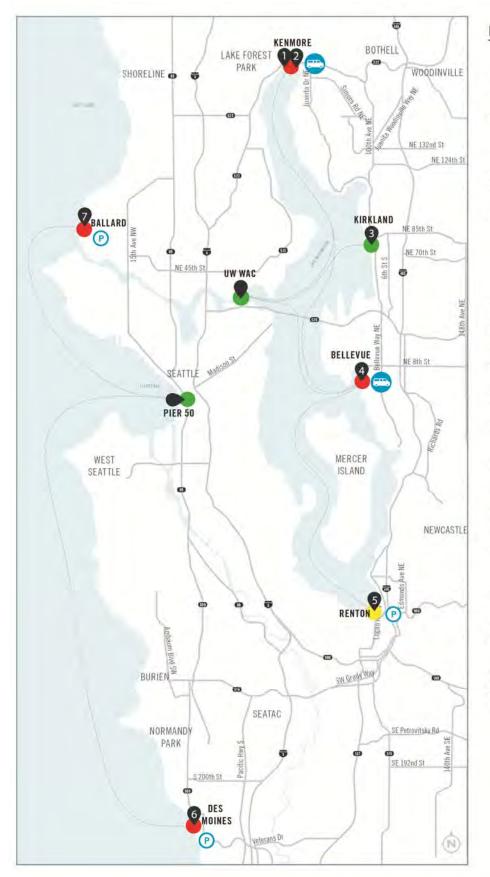
Table 1 below and Figure 6, on the following page, identify the seven routes that met the route time competitiveness criteria.

Route	KCWT/Transit RT Time Differential (min)	Transit/Pedestrian Connections	Parking Availability & Shuttle Requirements
Kenmore (Log Boom Park) to UW WAC	26 min	<ul><li>Good connections at UW WAC</li><li>Moderate connections at Kenmore</li></ul>	Shuttle Required at Kenmore
Kenmore (Log Boom Park) to Bellevue	16 min	<ul><li>Poor connections at Kenmore</li><li>Poor connections at Bellevue</li></ul>	Shuttle Required at both Kenmore and Bellevue
Kirkland (Marina) to UW WAC	21 min	<ul><li>Good connections at Kirkland</li><li>Good connections at UW WAC</li></ul>	No Shuttle Required*
Bellevue to UW WAC	38 min	<ul><li>Good connections at UW WAC</li><li>Poor connections at Bellevue</li></ul>	Shuttle Required at Bellevue
Renton to Bellevue	13 min	<ul><li>Moderate connections at Renton</li><li>Poor connections at Bellevue</li></ul>	Shuttle Required at Bellevue
Des Moines to Downtown Seattle (Pier 50)	39 min	<ul> <li>Poor connections at Des Moines Marina</li> <li>Good connections at Downtown Seattle (Pier 50)</li> </ul>	Parking Assumed at Des Moines Marina
Ballard to Downtown Seattle (Pier 50)	29 min	<ul> <li>Poor connections at Ballard</li> <li>Good connections at Downtown Seattle (Pier 50)</li> </ul>	Parking Assumed at Ballard (Shilshole Bay Marina)

#### Table 1: Route Time Competitiveness Factors and Evaluation

Note: the time differentials represented in the table above do not represent an even split among AM and PM commute periods. As with current and expected future traffic patterns, the evening commute experiences longer delays than the AM commute. \*While a shuttle for the Kirkland route was not identified as a requirement in the initial analysis, operational costs are included in the later analysis due to request by the City for a circulator shuttle service to alleviate existing and anticipated parking congestion in downtown Kirkland.

#### Figure 6: Summary of Findings for Routes for Further Analysis



LEGEND
Potential Landing Sites
Parking at Terminal Assumed
Podeatrian/transit
Connections
Moderate Pedestrian/transit
Connections
Poor Pedestrian/transit
Poor Pedestrian/transit
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Routes		Time Differential*
1	Kenmore** (Log Boom Park) to UW WAC	+26
2	Kenmore** (Log Boom Park) to Bellevue Marina	+16
3	Kirkland (Marina Park) to UW WAC	+21
4	Bellevue (Marina) to UW WAC	+38
5	Renton to Bellevue (Marina)	+13
6	Des Moines (Marina) to Pier 50	+39
7	Ballard (Marina) to Pier 50	+29

\* Total Round-trip Time Differential Between Water Taxi Route and Transit

\*\* The Kenmore Lakepointe site shares very similar time differentials to that of Log Boom Park. However, the Lakepointe site includes the assumption of parking at the terminal and would not require a shuttle (and its associated costs).

Note: While a dedicated Shuttle was not assumed at UW WAC, there may be opportunities to partner with the UW to provide enhanced circulation and access to the Water Taxi Terminal

#### **NET OPERATING COSTS**

The next phase of the route evaluation was to project the net operating cost for each expansion route. Each route was measured at a start-up condition (2015) and a mature condition (2025).

In order to analyze the cost of operating an additional water taxi route, cost of operation and potential revenue were calculated. These operation and revenue figures were based on a new service scenario with an operating profile like the existing Vashon Island Water Taxi service. The focus is on providing commute service during the morning and evening commute periods on weekdays only. The potential service would provide three morning peak round-trips and three evening peak round-trips. The recommended routes would operate at a cruising speed of 35 knots.

#### **Operating Costs**

Operating costs were calculated for a route start-up condition using 2014 Marine Division actual costs, as well as a mature condition, which used standard County escalation factors for the 10-year planning horizon. The King County Marine Division has validated all costs. Refinements in the projected operating costs have been captured in this final report and present a negligible change as presented in the interim report.

Operating expenses include route-specific costs, such as crew labor, fuel, and shuttle costs, as well as a portion of the division's shared costs, which include maintenance, shoreside and terminal costs, management and support and county central rate costs. The operating costs do not include vessel lease costs for a new route because it is unknown whether a vessel would be leased or purchased to meet the needs of the route. Vessel infrastructure is captured in capital costs. This is further explained in the Implementation Requirements section under Vessel Requirements.

The cost estimates for a new route use the existing Vashon route as a model for maintenance and labor costs due to its being a year-round commuter service. Fuel costs are calculated based on specific route length and estimated fuel consumption rates and shuttle costs are estimated based on existing shuttle service in West Seattle. The shared costs are apportioned based on the operating hours of each route.

It is assumed that adding a third route to the system would not increase the management and administrative shared costs. This assumption would need to be validated once a route was determined and the specific needs of the route were identified. Any expansion of more than one route over current operations would require the addition of maintenance and administrative shared costs.

Each new proposed route shares a similar operating cost, with the exception of fuel and shuttle costs, which vary by route. The operating costs for each potential route are shown in Figure 7. This figure illustrates the differences in the variable costs of fuel and shuttle along with the fixed costs associated with a new route, which includes all shared expenses and the crew labor.

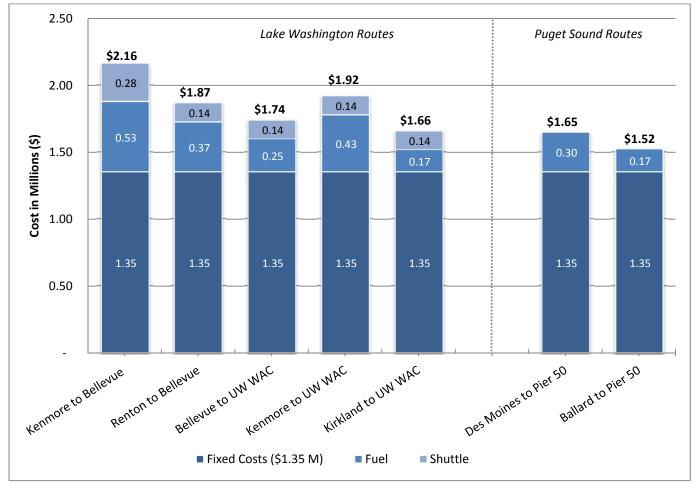


Figure 7: Projected 2015 Operating Costs per Route

Note: Fixed costs outlined above include: labor, maintenance and management/administrative costs.

#### Revenue

Start-up service year (2015) route revenue was calculated by multiplying the current Vashon ORCA fare by projected ridership. A fare realization factor of 86% was applied to the calculated route revenue to account for the actual apportioned revenues received, reduced fares and non-paying customers. The 2025 revenues were determined by multiplying projected ridership by the 2025 fares (which were escalated from 2015 using existing fare policy guidelines). The fare realization factor was also applied to the 2025 calculated fare revenue.

Assumed one-way fares for new routes included: \$4.75 for the start-up condition (the 2014/2015 ORCA fare for the Vashon route), as well as a projected ORCA fare of \$7.25 (assuming current policy of a \$0.50 increase every other year) for route maturity in 2025.

Ridership demand was calculated by reviewing commute characteristics of populations within the vicinity of the potential water taxi landing sites. Along with population information, ridership forecasts were developed by reviewing existing and future planned public transit options, route time competitiveness, travel demand models from PSRC, and past West Seattle Water Taxi commute ridership<sup>9</sup> growth patterns. Physical barriers to access the terminals were also considered, including traffic congestion, parking availability and accessibility for pedestrians and cyclists. The

<sup>&</sup>lt;sup>9</sup> West Seattle winter, commute-only service was used as a baseline for ridership projections due to the geographic similarities of potential service expansion routes, with alternative modes of transportation competing for commuter ridership. The Vashon route, while similar in service schedule, requires ferry travel to get on/off the island and therefore, is not as representative as West Seattle.

ridership demand model assumed a higher capture rate, or ridership growth in its first 10 years of service, with capture rates leveling off in the 2025 mature service condition. This was based on the experience in West Seattle, where ridership has grown over the years as people change their mode of travel due to service reliability, awareness and satisfaction.

Ridership demand for potential new routes was fairly consistent across the board for 2015 ridership. It is in the growth, or lack thereof, from 2015 to 2025 that sets some routes apart. This is mostly due to the transit improvements and enhanced options commuters have with light rail coming to Des Moines and Bellevue. Additionally, the access barriers in the Bellevue location, such as steep grades, distance from the employment center and disconnection from other transit modes hinder strong ridership growth, especially when there are more accessible commuter options. Table 2 below illustrates one-way trips by route in a start-up condition (2015) and in a mature service condition (2025).

Route	2015 Annual Ridership	2025 Annual Ridership
Kenmore to UW WAC	57,148	119,210
Kirkland to UW WAC	56,666	115,625
Ballard to Downtown Seattle (Pier 50)	59,433	107,175
Bellevue to UW WAC	45,579	72,357
Des Moines to Downtown Seattle (Pier 50)	42,473	61,998
Renton to Bellevue	27,433	56,986
Kenmore to Bellevue	17,640	31,347

#### Table 2: Projected Ridership in 2015 and 2025

#### Farebox Recovery Calculation

Farebox recovery is the percentage of operating expenses that are covered by passenger fares. It is calculated by dividing total fare revenue by total operating expenses. Those operating costs not covered by farebox revenues must be subsidized with tax revenues.

Projected route revenues and operating costs were used to calculate farebox recovery for each route individually and were then aggregated with KCWT existing routes to obtain a system-wide farebox recovery rate.

When the data was compiled, natural breaks were apparent in the 2015 farebox recovery rates resulting in two routes with farebox recovery rates lower than 10 percent. Those routes were eliminated from further analysis (Kenmore and Renton to Bellevue). For the mature service condition (2025), the farebox recovery rate target of 25 percent is projected to be achieved by three of the routes remaining from the initial screening processes. It is these three routes that are proposed for further consideration.

As part of the analysis, system-wide farebox recovery was also calculated to include a three-route system. This would include the existing West Seattle and Vashon Island routes along with one new route. Using this calculation all routes met or exceeded a system-wide farebox recovery of 25 percent upon route maturity in 2025. The complete ridership analysis and backup data for operational costs and farebox recovery can be found in <u>Appendix C</u>.

Figure 8 on the following page illustrates the farebox recovery calculation by route at start-up (2015) and route maturity (2025).

#### FINDINGS/ROUTES CONSIDERED FOR FURTHER EVALUATION

Based on the methodology outlined above, three routes met the evaluation criteria of route time competitiveness and farebox recovery. The difference between the three routes that met the criteria and the four routes that did not is significant, as illustrated in Figure 8 on the following page.

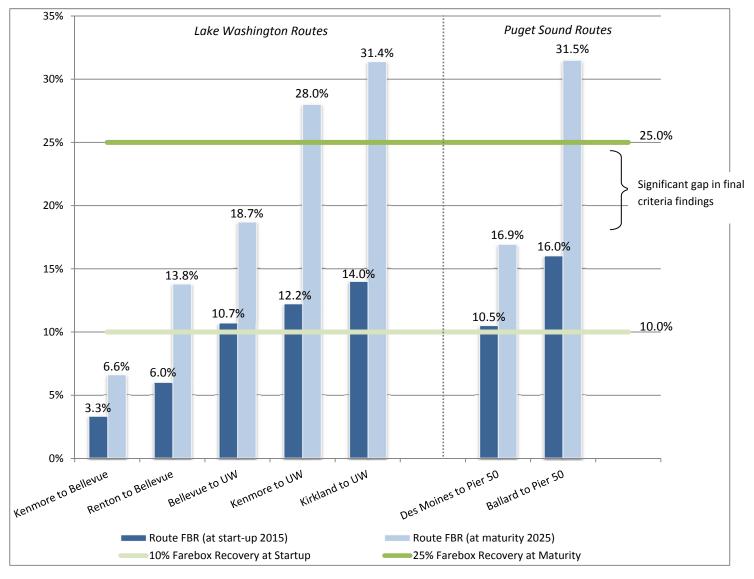
#### Lake Washington Routes:

- Kenmore (Log Boom Park) to UW WAC
- Kirkland (Marina Park) to UW WAC

#### Puget Sound Route:

• Ballard (Shilshole Marina) to Downtown Seattle (Pier 50)

#### Figure 8: Farebox Recovery Projections by Route



# **IMPLEMENTATION REQUIREMENTS**

#### FOCUS: Assess facilities and capital costs.

Passenger-only ferries have specific terminal and vessel requirements with desired characteristics. It is important for passengers to easily find the queuing areas and to safely load and unload the vessels. Based on ridership projections, a 150-passenger vessel (or less) is recommended for each route. Each terminal location for the final recommended proposed routes would require infrastructure improvements with varying capital costs.

#### PASSENGER-ONLY PROGRAMMING REQUIREMENTS

Typical programming requirements for water taxi service include:

- Vessels with appropriate speed and adequate capacity for passengers and bicycles
- In-water elements for mooring vessels with an adequate float and gangway to safely load and unload passengers, utilities for maintenance, and securing the vessel
- Upland improvements: signage and wayfinding measures to direct passengers, sufficient lighting, ADA
  accessible pathways, covered waiting areas, utility connections, and ticket vending machines

Figure 9 below illustrates the operations at the existing Water Taxi terminal hub in Seattle, serving the West Seattle and Vashon routes.



#### Figure 9: KCWT Downtown Seattle (Pier 50) Operations

Source: King County Marine Division

#### INFRASTRUCTURE IMPROVEMENTS PROPOSED

All proposed terminal locations, with the exception of Downtown Seattle (Pier 50), an existing Water Taxi terminal, would require in or over-water and upland improvements to begin service. The Ballard location has sufficient in-water infrastructure and would only require minor improvements including fenders, fixed ramps, transfer spans, and cleats to begin service. Kenmore and Kirkland have existing in-water infrastructure, but would require a structural inspection to determine the condition of the in-water infrastructure prior to implementation. UW WAC, would need a new float, gangway, and uplands improvements.

Upland improvements at all locations would include signage and wayfinding, ticket vending machines, improved lighting, utility connections and security elements. UW WAC would require improvements to the walkway and the addition of a shelter. Shelters at the other terminal locations would have to be discussed with the local agency and are not seen as a requirement for service. Figures 10 through 13 provide an aerial overview of each terminal location along with the recommended infrastructure improvements for each site.

Permitting would be required for each terminal location. The UW WAC is currently the only known location in need of in-water work. Kirkland and/or Kenmore could require in-water work depending on the results of the underwater inspection. The permitting effort required for terminal improvements includes federal, state and local construction permitting.

#### Figure 10: UW WAC Proposed Infrastructure Improvements



#### POF FACILITIES

- In-water work required: New float, gangway, piles, fenders, cleats, fixed ramp and transfer span
- Upland work: ADA walkway, shelter, signage/wayfinding, ticket vending machines, lighting, security elements (including cameras)

# LOG BOOM PARK ADD FENDERING, CLEATS, TRANSFER SPAN, FIXED RAMP

#### Figure 12: Kenmore Proposed Infrastructure Improvements

POF FACILITIES

- In-water work required: Fenders, cleats, fixed ramp and transfer span
- Upland work: Signage/wayfinding, ticket vending machines, lighting, security elements (including cameras), and utility connections

#### Figure 11: Kirkland Proposed Infrastructure Improvements



#### POF FACILITIES

- In-water work required: Fenders, fixed ramp and transfer span
- Upland work: Signage/wayfinding, ticket vending machines, security elements (including cameras), and utility connections

#### Figure 13: Ballard Proposed Infrastructure Improvements



#### POF FACILITIES

- In-water work required: Fenders, fixed ramp and transfer span
- Upland work: Signage/wayfinding, ticket vending machines, security elements (including cameras), and utility connections

#### VESSEL REQUIREMENTS

Based on the ridership projections, a 150-passenger vessel (or less) that can sustain 35-knot cruising speeds is recommended. KCMD could lease a 150-passenger vessel or purchase a new or used vessel. It is likely a new vessel would be required due to the service speed requirements and the unavailability of such a vessel on the rental or used market.

#### ESTIMATED CAPITAL COSTS

Capital cost estimates were based on high-level infrastructure requirements and would be refined further in a next steps design effort. With only minor improvements needed, the Ballard to Downtown Seattle (Pier 50) route would be the least expensive to implement, while the Kirkland to UW WAC and Kenmore to UW WAC have a fairly similar capital cost due to the extensive improvements needed at the UW WAC shared by both routes.

While there are options for vessel acquisition, such as lease, purchase used or commission new, it is anticipated a new design/build vessel would be required. However, if there is an existing vessel on the market that meets the route profile criteria, it could be leased at an expected 2015 annual cost of approximately \$420,000. Existing KCMD back-up assets, such as the Spirit of Kingston do not meet the operating requirements for these proposed routes. Costs to purchase a vessel vary based on purchasing a new or used vessel, and the condition of the vessel. For this body of work, the higher cost is assumed, which includes commissioning the building of a new vessel at an estimated \$5 million. This vessel acquisition cost is assumed in estimated capital costs for each route.

Figure 14 below indicates the total capital costs for each route.

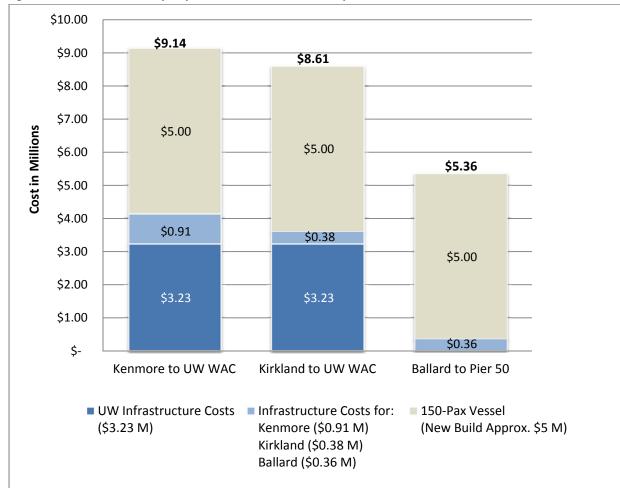


Figure 14: Estimated Start-up Capital Costs for Water Taxi Improvements

Note: The Ballard to Downtown Seattle (Pier 50) costs do not include improvements to UW WAC, as this terminal is not part of the proposed route.

#### MAINTENANCE, TIE-UP AND FUELING ASSUMPTIONS

KCMD currently performs daily maintenance activities at their maintenance barge located at Pier 48 in Downtown Seattle. This facility could be utilized for daily maintenance activities required for the Ballard to Downtown Seattle (Pier 50) route. For the Lake Washington routes, a daily maintenance and tie-up strategy would need to be developed. For all routes, intermediate maintenance, that may take several days or longer, can be achieved at the KCMD maintenance barge, while heavy maintenance could be performed through existing King County contracts with local shipyards.

Fueling is available at multiple locations on Lake Washington and Lake Union to serve the Water Taxi's proposed lake routes. For the Ballard route, fueling could occur at Harbor Island, where the current Water Taxi fleet fuel.

#### IMPLEMENTATION SCHEDULE

Assuming city/community and agency partnership, each terminal location would require environmental permitting, design, and construction of the improvements prior to beginning a new water taxi service. Environmental permitting would be required at each terminal location. The Ballard to Downtown Seattle (Pier 50) route would require the shortest time to begin service with minor infrastructure improvements required at the Shilshole Marina terminal. The Kenmore to UW WAC and Kirkland to UW WAC routes would require the most extensive permitting, design and construction effort due to the requirement of new in-water infrastructure, including a new float, gangway, and uplands improvements at UW WAC terminal.

The full analysis on capital costs and infrastructure recommendations can be found in <u>Appendix D</u>. POF programming needs can be found in <u>Appendix A</u>.

## **AGENCY/JURISDICTION OUTREACH**

FOCUS: Assess community interest and readiness.

#### **EXTERNAL COMMUNICATION TO DATE**

Coordination with agencies/jurisdictions has occurred throughout the project. At project commencement, interest and information was sought from waterfront cities/communities on Lake Washington, as well as City of Seattle, Port of Seattle and City of Des Moines for the potential routes on the Puget Sound. In the data gathering phase of the project, site visits were made to each terminal location identified for analysis.

Throughout the remainder of the project, meetings and telephone conversations occurred to inform the agencies/jurisdictions of the study and to better understand the questions or concerns that surround having water taxi service in their community.

Table 3 on the following page outlines known key agency issues regarding future water taxi service in the three routes identified in this analysis. A complete log of agency coordination to date can be found in <u>Appendix E</u>. A formal letter of support has been provided by the City of Kenmore and Expedia, who is moving their company campus to the Seattle waterfront along the Ballard to Pier 50 proposed water taxi route.

In coordination with the transmittal of the interim report to the King County Council, all communities and agencies initially reached and those whom have been communicated with throughout the project have been updated on the interim report findings with community specific information and explanations for routes which did not make it through the analysis.

In coordination with the transmittal of the final report to the King County Council, the communities and agencies will be sent a copy of the final report.

Agency/Jurisdiction	Key Issues/Comments Identified
City of Kenmore	Pedestrian connectivity
(Kenmore to UW WAC)	Sees as great benefit to the community
	Supportive of land use policies
	Access to Log Boom Park terminal is currently being upgraded
City of Kirkland	<ul> <li>Increase in roadway congestion in downtown Kirkland and parking availability</li> </ul>
(Kirkland to UW WAC)	<ul> <li>Sees as benefit to a growing downtown core</li> </ul>
	Access to POF terminal
	Supportive of land use policies
University of Washington	Potential conflict with UW rowing program practice schedule
(Kenmore to UW WAC)	<ul> <li>Coordination with the University's landscape architect</li> </ul>
(Kirkland to UW WAC)	Pedestrian connections from POF terminal to Light Rail Station and UW Medical Center
	Coordinate operations with the WAC
	Expressed interest in expanded game day service
	<ul> <li>Look at potential connections to University of Washington, Bothell Campus</li> </ul>
	Increase in UPass cost for higher priced service mode choice
	Public outreach
Port of Seattle	Conflicts with seasonal marina traffic
(Ballard to Pier 50)	Parking to be managed
	Potential positive synergistic relationship by offering service/opportunities for their customers and
	businesses on-site
City of Seattle	Transit access to POF terminal in Shilshole
(Ballard to Pier 50)	Parking availability
	Increase roadway traffic volumes

#### INTERNAL COORDINATION

Due to the fact the KCMD and Metro Transit are both located within the King County Department of Transportation there are opportunities to create connections between bus and POF service for our customers. Metro is currently in the process of updating their long-range plan and this document will provide input into future coordination efforts for how each can support each other by way of scheduling and service.

#### EQUITY AND SOCIAL JUSTICE CONSIDERATIONS

"King County's Equity and Social Justice work is grounded in our 2010 'fair and just' ordinance, which requires us to intentionally consider equity and integrate it into our decisions and policies, our county practices and our engagement with communities. The ordinance also lays out definitions, structure and systems of accountability."<sup>10</sup>

The Marine Division is committed to equity and the application of Equity and Social Justice (ESJ) principles in the operation and management of passenger-only ferry service. In 2015, the Marine Division, in collaboration with King County Metro introduced low-income fares on its existing routes through the ORCA Lift program. As the division delivers new water taxi vessels, much thought and work has gone into their design and construction incorporating accessibility features. This study provides an opportunity to integrate ESJ in the consideration and selection of new water taxi service expansion options.

<sup>&</sup>lt;sup>10</sup>From the King County Equity and Social Justice Annual Report – November 2014

#### FINAL4Report on Ferry Expansion Options

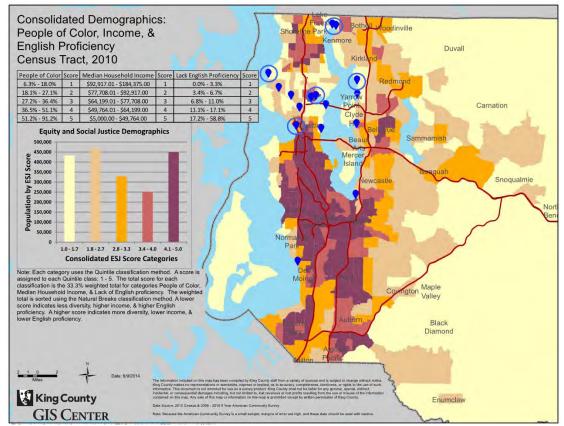
The report utilized a three-step evaluation process in considering water taxi service expansion options. Potential routes were identified for consideration and route time competitiveness with other public transportation options was calculated. This work was followed by the calculation of revenue potential, through ridership analysis, and operating costs. This process identified farebox recovery yielding three potential routes for further consideration – each with significantly higher ratings than the other routes considered.

Using the concepts and metrics from the 2015 Determinants of Equity Report, a consolidated measure combining median household income, English proficiency, the incident rate of people of color was overlaid on a map showing possible shore-side (terminal) locations for routes considered (refer to Figure 15). Using this map, densities of ESJ populations within the water taxi ridership capture area are readily apparent. The terminals first considered in route competitiveness analysis are identified with blue place markers; those terminal locations of routes recommended for further study are identified with a blue circle.

High ESJ densities are found around the identified commuter departure terminals and their associated capture areas of Renton and Des Moines. Under the first step of evaluation, five route combinations were analyzed from Renton and one from Des Moines. One of the routes from Renton and the route from Des Moines met the evaluation criteria of time competitiveness. These moved on to the next step in the analysis, which included ridership demand and cost analysis. These two routes are part of the thirty-six routes originally identified and also a portion of the seven routes carried for further evaluation.

As detailed in the report, the time competitive routes from Renton and Des Moines were then eliminated in the last step in the evaluation process due to the low ridership demand forecasted, which had a direct impact on the net cost of operation evaluation criteria.

The study shows that ESJ communities in proximity to routes included in this study currently have and will have (after implementation of Link light rail service expansion) better transit alternatives available (on a service and cost basis) than the routes and service assumptions identified for future water taxi service. Fare rates are another consideration. The Metro low income fare of \$1.50 compares favorably to the KCWT low income fare of \$3.75 (for Vashon route).



#### Figure 15: Relationship of Route Locations Considered and Consolidated Equity and Social Justice Scores by Census Tracts

Source: King County Office of Performance, Strategy & Budget

## **NEXT STEPS**

This final report is intended to provide the foundation for the next steps in identifying long-term expansion route opportunities. The next steps for the concept of expansion of the KCMD Water taxi service include:

- Review, input and action on this report by the King County Council, anticipated in the spring of 2016.
- Consideration by the King County Executive and the King County Council on if the expansion of the existing KCWT service should occur and if so which potential expansion route(s) to move forward for additional analysis and consideration.
  - Additional analysis and consideration would entail: planning, environmental analysis, coordination with local agencies, design work, lease arrangements, identifying and pursuing grant funding and development of an implementation plan.

# King County Water Taxi

# TASK 1: BASELINE STUDY AND ROUTE IDENTIFICATION

Final Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS OCTOBER 30, 2015 This page intentionally left blank.

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- **3.** Transportation Baseline Study Findings Conclusions
- **4. POF Programming Elements** Location Elements Terminal Facility Elements Vessel Characteristics

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## List of Tables

Table 1: Initial Opportunities and Challenges for each Potential Terminal Location

## Attachments

Attachment A: King County Transportation Project Map Attachment B: King County Transportation Project Schedules This page intentionally left blank.

# 1. Introduction

The goals of this report are to identify routes for review in the Ferry Expansion Options Report for the King County Marine Division, develop a transportation project baseline within King County through review of transportation projects occurring within a10-year planning horizon, and outline the typical passenger-only ferry programming requirements.

# 2. Terminal Locations Considered for Review

Potential terminal locations were identified by the project team based on the previous Demonstration Route project report. The project team reached out to those communities identified as well as other known interested parties to seek additional input and to add or replace any locations based on the information provided. Figure 1 identifies the potential terminal locations and route combinations considered.

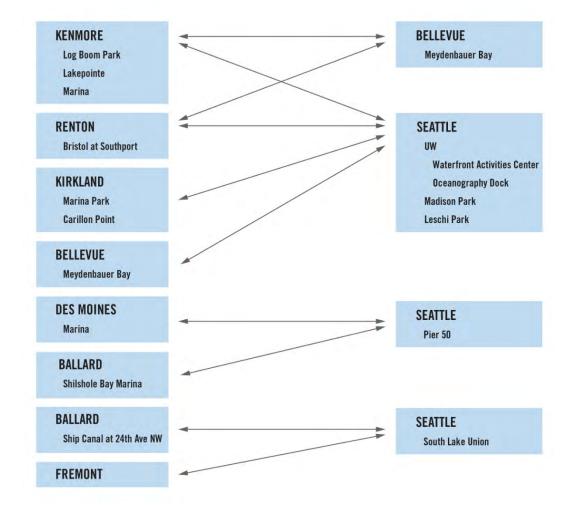


Figure 1: Initial King County Water Taxi Routes Considered

# 3. Transportation Baseline Study

The purpose of this memo is to identify current, planned (funded) and potential (planned and not yet funded) transit service expansions, and infrastructure improvements which make up the planned transportation network in King County. Outlining and mapping the existing and planned regional transportation network will aid in the future effort to identify potential KCWT service expansion opportunities and challenges.

Regional growth projections are forecasting a 42% increase in population in King County by 2040,<sup>1</sup> which will increase traffic congestion and pressure on our public transit systems. Transit agencies with service within King County are actively working to increase passenger capacity of public transit.

The King County Water Taxi (KCWT) is just one mode of transit offered in our region, with current service from West Seattle and Vashon Island to downtown Seattle. KCWT plays a vital role in the region's transportation network by improving multi-modal connections, relieving capacity pressures from other modes and, in some cases, providing a more direct route. The KCWT could provide further capacity through the expansion of the passenger-only ferry (POF) service where feasible.

The major transportation agencies in the region include King County (Metro and the Marine Division), Sound Transit, Washington State Department of Transportation (WSDOT), and Seattle Department of Transportation (SDOT). Additionally, the Puget Sound Regional Council (PSRC) is a metropolitan planning organization that conducts research to inform policy decisions and provides guidance and leadership as it relates to regional growth and management strategies to local agencies.

In 2009, the PSRC prepared a Vision 2040 report that established long-range planning goals for the Puget Sound region. Vision 2040 reviews growth patterns and sets guidelines for communities in Puget Sound to encourage sustainable development. Additionally, the report establishes regional growth centers and sets targets for growth capacity within these areas that include Metropolitan Cities, Core Cities, and Larger Cities.<sup>2</sup> The following cities are located within the KCWT potential service area and are targeted to accommodate the stated growth in population and employment:

- Metropolitan Cities: Seattle and Bellevue 32% of the population growth and 42% of employment growth.
- Core Cities: Kirkland and Renton 22% of the population growth and 29% of employment growth.
- Larger Cities: Kenmore and Des Moines 14% of population growth and 12% of employment growth.

In conjunction with Vision 2040, PSRC developed Transportation 2040 that provides a framework for long-range planning in the region and includes methods of integrating POF service and as a regional transportation action.<sup>3,4</sup> Transportation 2040 established goals and guidelines to develop stronger intermodal connections and increase high capacity transit (transit systems carrying high volumes of people) within areas designated as Metropolitan Cities and Core Cities.

<sup>&</sup>lt;sup>1</sup> *Vision 2040,* PSRC, December 2009, 19.

<sup>&</sup>lt;sup>2</sup> Vision 2040, PSRC, December 2009, 20-22.

<sup>&</sup>lt;sup>3</sup> Vision 2040, PSRC, December 2009, 87.

<sup>&</sup>lt;sup>4</sup> *Transportation 2010,* PSRC, May 2010, 80-82.

Through PSRC establishing regional growth areas and subsequent growth strategies, transit agencies can use this information to guide long range transportation planning efforts. The following includes a list of the major transit agencies and the status of their long range planning efforts:

- PSRC will be engaging in an effort to update the Transportation 2040 document that will focus on increasing transit connections and include POF service. The report is anticipated for completion in 2018.
- King County Metro recently began the process of updating their long range plan with a 25 year planning horizon that is due for completion in December 2016.
- Sound Transit updated their long range plan in December 2014 that shapes the Sound Transit Ballot Measure 3 (ST3) that, if approved, secures funding for transportation projects. ST3 is anticipated to be considered by voters in November 2016.
- In 2012, SDOT prepared a Transit Master Plan providing a framework for long-range transportation planning through 2030. SDOT will be updating their Transportation Strategic Plan in coordination with the Comprehensive Plan update prepared by Seattle Department of Planning and Development in 2015 that includes a Transportation component.
- WSDOT transportation planning focuses on reducing congestion on state highways. In 2006, WSDOT
  prepared the Washington Transportation Plan 2007-2026 that focused on the budget challenges and
  statewide transportation goals. Each transportation project and program is individually evaluated.
  These projects have a direct effect on transportation patterns for King County.

Three agencies, King County Metro, Sound Transit, and SDOT have an integrated relationship for projects associated with each mode of transportation including bus, streetcar, and light-rail within the City of Seattle. While all agencies contribute to funding of transit projects, SDOT and King County typically own the respective transit system, Sound Transit constructs the project, and King County Metro is contracted to operate and maintain the system.<sup>5</sup> However, Sound Transit maintains the Link light rail. Based on the integrated relationship of these three agencies, long-range planning requires close collaboration throughout the planning process.

King County Marine Division who operates the KCWT plays an important role to increasing public transit capacity in King County. To determine where a new KCWT route might be viable, many factors must be considered including capacity of existing transit options and road systems, projected population growth, and accessibility to other forms of transit. Reviewing the long range planning documents and identifying planned projects of other transit agencies provides the information necessary for initial review of potential new routes. Viability of a new KCWT route is dependent on the capability of a KCWT to provide more direct service where other transit options might be lacking. Figure 1 provides a list of potential viable routes under review.

The following section summarizes the planning process, current, planned and potential projects, and projects under construction for each transit agency within King County. This information is graphically represented in Attachment A that includes a transportation planning map indicating key transportation projects along with the potential KCWT routes considered within King County. Attachment B includes a schedule for each transportation agency's planning documents and major transit improvement projects.

<sup>&</sup>lt;sup>5</sup> Regional Transit Task Force Final Report and Recommendations, King County Metro, October 2010, 3.

#### FINDINGS

#### King County Metro (bus, including RapidRide)

King County owns and operates regular fixed-bus service, including Bus Rapid Transit (RapidRide), a variety of vanpool and rideshare services, paratransit services, and many park and rides around the region. Additionally, through agreements with other transit agencies, King County Metro operates the Sound Transit Regional Express bus service, Link light rail, and SDOT's South Lake Union Streetcar.<sup>6</sup> In collaboration with Sound Transit, King County Metro is in the process of updating their Long Range Plan to develop a vision and to set targets for the King County transportation systems over the next 25 years.

In 2014, Metro updated the Strategic Plan and Service Guidelines that prioritizes investments for transit projects. The Strategic Plan and Service Guidelines establish goals, identify areas of increased efficiency, provide performance measures, and set service level targets for Metro service. Along with increasing efficiency on regular bus routes, the Strategic Plan and Service Guidelines also recommend focusing investments and improvements on RapidRide corridors that have the highest potential for ridership and can accommodate high bus volumes. There are currently six RapidRide corridors within King County that served over 10 million riders in 2013.<sup>7</sup>

King County Metro and Sound Transit operate 130 park-and-rides within King County with capacity for over 25,000 vehicles.<sup>8</sup> These facilities provide access to transit and improve transportation connections. Many of the park-and-ride facilities are at capacity and the PSRC 2030 Update recommended increasing capacity to approximately 69,290 stalls to meet projected demand in 2030.<sup>9</sup>

#### Sound Transit (Link light rail, express bus service, commuter rail)

As a regional transit authority, Sound Transit provides multiple high capacity transit (HCT) services in Puget Sound including the Link light-rail system, high capacity bus rapid transit (BRT) and commuter rail. Sound Transit completed the update to their long-range plan in 2014 which establishes a basis for upcoming ballot measures. The Sound Transit Board approved the Updated Long-Range Plan in December 2014 and gave direction to prepare for the development of the ST3 to secure funding for project development.

Currently, the Board is reviewing projects included in the Updated Long-Range Plan to determine which projects will be included in the ST3. Projects included in ST3 will be identified through public outreach and additional review during 2015 and 2016 to be included on the November 2016 ballot.

# Projects Planned/Funded or Under Construction (letter references in parenthesis correspond to routes identified in the Transportation Project Map in Attachment A):

- University Link Extension: Connecting light rail from Downtown Seattle to the University of Washington. The project is scheduled to begin operation in 2016. (A)
- East Link Extension: Extending light rail from Downtown Seattle across Lake Washington to Bellevue and Redmond. The project completion is projected for 2023. (B)

<sup>&</sup>lt;sup>6</sup> King County 2013-2014 Transportation Budget, King County F-136.

<sup>&</sup>lt;sup>7</sup> Key Data: 10-Year Summary, King County Metro Transit, https://docs.google.com/spreadsheets/d/1Qyj31NiW1kc30GX9PCNrmnAn\_EEmPn8WaUB\_NMkYCQE/pubhtml

<sup>&</sup>lt;sup>8</sup> Transit Integration Report: Getting There Together, Sound Transit and King County Metro, September 2014.

<sup>&</sup>lt;sup>9</sup> Destination 2030 Update, PSRC, April 2007, iv.

- South 200th Link Extension: Extend light rail from SeaTac to South 200th Street, anticipated completion in 2016. (C)
- Federal Way Link Extension: Extend light rail from South 200th Street in SeaTac to Kent/Des Moines anticipated completion in 2023. (D)
- Northgate Link Extension and Lynnwood Extension: Extending light rail from the University District and Roosevelt to Northgate. Project completion is anticipated for 2021. Extending from Northgate to Lynnwood anticipated in 2023 (E)

Potential Projects Considered for ST3<sup>10</sup>:

- Light rail extension from Downtown to Ballard connecting to the University District (F)
- Light rail to Downtown Seattle to West Seattle/Burien (G)
- HCT from Burien to Lynnwood, likely BRT (H)
- HCT corridor (specifically BRT) from Downtown Seattle along Madison Street (I)
- HCT corridor (specifically BRT) from SR 522 to SR 520 via Totem Lake Urban Center and South Kirkland Park-and-Ride (J)
- HCT corridor (specifically BRT) along 145th Street from I-5 to SR 522, and HCT corridor from I-5 to SR 522 (K)

### Seattle Department of Transportation

Seattle Department of Transportation (SDOT) works closely with King County Metro and Sound Transit to collaborate on transportation improvements in the City of Seattle through funding opportunities and integrating planning efforts. SDOT owns the Seattle Streetcar with routes along South Lake Union to downtown Seattle and First Hill to Pioneer Square. However, operations for service are contracted to King County Metro. The 2012 Transportation Master Plan outlines the department's involvement in transportation improvements including short-term and long term goals, funding opportunities, and performance measures for improvements. Key recommended improvements identified in the SDOT plan include:

#### Projects Planned/Funded or Under Construction:

 Madison Street BRT corridor from 23<sup>rd</sup> Avenue west to downtown Seattle terminating at Colman Dock. (M)

#### Potential Projects:

• HCT from South Lake Union to Roosevelt via the University District (N)

Washington State Department of Transportation (roadway improvements and tolling) Washington State Department of Transportation (WSDOT) transportation projects are focused on state highways which play a major role in regional transportation and directly affect transit systems in King

<sup>&</sup>lt;sup>10</sup> Regional Transit Long-Range Plan Update Final Supplemental Environmental Impact Statement, Chapter 2 Alternatives Considered, Sound Transit, November 2014, 2-24 and 2-25.

County. WSDOT has engaged in a number of projects to reduce congestion in the region. The PSRC Transportation Vision 2040 recommended moving toward a user-based funding approach which includes tolling. WSDOT implemented the first high occupancy toll (HOT) lane program on State Route (SR) 167 in 2008 as a pilot program and it currently remains. HOT lanes are dedicated lanes where vehicles are charged a dynamic toll rate that varies with congestion. Additionally, tolling began on all lanes of the SR 520 Bridge in December 2011.

### Potential Projects (currently in the environmental review process):

- I-5 Express HOT Lane Tolling (O)
  - Currently in environmental review.

### Projects Planned/Funded or Under Construction:

- SR 520 Bridge Replacement (P)
  - Currently a toll bridge.
  - New bridge includes a bike and HOV lane.
  - Final completion of the bridge is anticipated for 2017.
- I-90 Two-Way Transit and HOV Operations between Bellevue and Seattle (Q)
  - o Adds two-lane center roadway for buses, carpools, and vanpools.
  - Construction to start early 2015.
  - Anticipated completion in mid-2017.
  - Project prepares the center roadway for the East Link light-rail extension.
- I-405 Widening and HOT lanes from Bellevue to Lynnwood (R)
  - o Opened September 2015
  - o Dual express toll lane system from Bellevue to Bothell/Woodinville.
  - Existing carpool lane from SR 522 to I-5 converted to express toll lane or HOT lane.
- Alaskan Way (SR 99) Viaduct Replacement Project (S)
  - Demolition of Alaskan Way Viaduct and construction of a tunnel.
  - Anticipated construction completion in 2018
  - Tolling to begin 2018.

### CONCLUSIONS

There are multiple transportation projects and transportation planning efforts currently underway within King County, each with similar goals of easing congestion and improving mobility in the region. The projects identified in the transportation planning documents reviewed include the following:

- Modifications to existing road infrastructure:
  - o Roadway widening for increased capacity or HOV/HTC dedicated lanes
  - o Variable tolling
- New HCT service:
  - BRT and express bus service
  - o Light rail extensions and connections

While these efforts have the capacity to enhance the transportation network, there are many connections that simply cannot be made due to the geography of the region. Transportation infrastructure is constrained by the natural features of the region, which include the water bodies of Puget Sound, Lake Washington and Lake Union. By adding POF service within these water bodies, communities can benefit from enhanced mode choice and connectivity.

Through review of the planning documents referenced in this memo, which have been graphically depicted on the Transportation Map in Attachment A, the following initial observations include:

#### General:

- Transportation projects are focused on improving connections from the east side of Lake Washington to Seattle as well as connecting cities along the I-405 corridor.
- Potential projects that do not currently have funding may not receive funding to be studied; or if funding is received, it is unlikely these projects would be operational within this 10-year planning horizon.

Initial observations for each potential KCWT terminal location are included in Table 1 that provides a matrix of potential upland opportunities and challenges for each site. This list is draft in nature and by no means represents a comprehensive comparison. This comparison represents observed opportunities and challenges as it relates to the transportation planning and infrastructure projects identified in this memo.

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Terminal Location         (1) Log Boom Park (Kenmore)         (2) Lakepointe (Kenmore)         (3) Marina Park (Kirkland)	<b>Opportunities</b> Terminal locations are served by HCT concentrated along SR 522 and a POF could be used as an alternative to utilizing SR 522 and a POF could be used by HCT concentrated along SR 522 and a POF could be used as an alternative to utilizing SR 522 and a POF could be used as an alternative to utilizing SR 522. Marina Park is adjacent to the downtown Kirkland commercial core that could be a recreational destination.	Challenges Kirkland terminal sites are already served by existing HCT and are in close proximity to additional HCT along I-405; therefore, it could be challenging for POF service to be
<ul> <li>(4) Carillon Point (Kirkland)</li> <li>(5) Meydenbauer Bay</li> <li>(5) Meylenbauer Bay</li> </ul>	Ample parking opportunities. Bellevue has many existing and planned transportation options connecting to the downtown Bellevue Transit	viable. Additionally, existing high capacity parking areas near bus connections could make it difficult for the POF to be viable. Kirkland terminal sites are already served by existing HCT and are in close proximity to additional HCT along I-405; therefore, it could be challenging for POF service to be viable. Additionally, existing high capacity parking areas near bus connections could make it difficult for the POF to be viable. Bellevue has many existing and planned transportation options connecting to the downtown Bellevue Transit
<ul> <li>(6) Bristol at Southport</li> <li>(Renton)</li> <li>(7) Leschi Public Float</li> <li>(Seattle)</li> </ul>	one-mile of the downtown Bellevue core and POF service could provide recreational POF service to reach this destination. Renton is served by HCT that connects to Link light rail near SeaTac; however, a POF could be a more direct transportation option to downtown Seattle. There are no HCT connections planned for Leschi; however, a shuttle service could improve connections and	potential POF terminal. There are no HCT connections planned for Leschi; therefore, connections to downtown Seattle could be
<ul><li>(8) Madison Street Dock</li><li>(Seattle)</li></ul>	a central location from east Lake washington terminal locations to downtown Seattle. The long term plans do not include a HCT connection to Madison Park; however, interagency coordination efforts could improve this connection and allow Madison Park to become a multi-modal connection hub for POF and bus service.	The long term plans do not include a HCT connection to Madison Park that might make connections to downtown Seattle difficult.

Terminal Location	Opportunities	Challenges
(9) UW Waterfront Activities Center (Seattle)	The UW Waterfront Activities Center will be well connected to other modes of transportation and could serve as a transportation hub for POF connections.	
(10) Oceanography Dock (Seattle)	The Oceanography Dock will be well connected to other modes of transportation and could serve as a transportation hub for POF connections.	Walking route is indirect to the light rail station.
(11) South Lake Union (Seattle)		There are multiple transportation options in downtown Seattle that would reduce the viability of routes within Lake Union. Additionally, the speed restrictions make a water taxi a slower option.
(12) Fremont (Seattle – Exact Location undetermined)		There are multiple transportation options in downtown Seattle that would reduce the viability of routes within Lake Union. Additionally, the speed restrictions make a water taxi a slower option.
(13) Ship Canal at 24th Ave NW (Seattle)		There are multiple transportation options in downtown Seattle that would reduce the viability of routes within Lake Union.
(14) Shilshole Bay Marina (Seattle)	Ballard from Shilshole Bay is not planned to be served by other HCT modes and could be a viable mode of transportation with the lack of HCT connections.	
(15) Downtown Seattle (Pier 50)	In operation	In operation
(16) Des Moines Marina (Des Moines)		Because light rail will be located in close proximity to Des Moines, a POF may not be viable. Also, The City of Des Moines has voiced concern over POF parking at the marina.

# 4. Passenger Only Ferry Programming Elements

Passenger Only Ferry (POF) transportation is distinct, requiring carefully planned infrastructure and facilities to operate effectively and attract ridership. Programming criteria for the required infrastructure can be broken down into location elements, terminal facility elements, and vessel characteristics.

### LOCATION ELEMENTS

Determining the appropriate location for new POF service requires thorough analysis of many factors including passenger and vessel accessibility to the terminal locations, travel time, and availability of existing infrastructure or constructing new terminal facilities that will attract passengers. Ultimately ridership will determine the viability of POF service, and planning terminal locations and facilities that will draw passengers is critical to a successful POF service.

### **Connectivity and Accessibility**

When taking public transportation, most passengers prefer faster travel times and fewer transfers between transit modes to reach their destination. Therefore, it is advantageous for POF to offer direct service to employment hubs and/or an area with multiple modal connections (bus, light rail, bike paths, etc.) that will make the trip time competitive with many transportation options to a final destination. Coordinating with other transit agencies to improve connections to POF terminal facilities could improve modal connections. Additionally, integrating fare collection systems between transportation modes make these transfers easier and potentially more cost effective for passengers. The One Regional Card for All (ORCA) card provides seamless transfers for passengers between King County Metro and Sound Transit Link light rail and express bus service, as well as the King County Water Taxi West Seattle and Vashon Island to downtown Seattle routes.

Parking availability at or nearby the terminal is a key component to attracting passengers. Offering on-site parking at the terminal location would be the best way to attract riders. If this kind of parking is not available at the terminal, local parking facilities such as park and rides and shared parking such as church parking lots could be utilized. If sharing with a bus park and ride facility, providing designated POF parking could attract ridership. Whether designated parking is provided or not, a shuttle service to serve the shared park and ride facilities and transport riders to the waterfront to meet the water taxi would be required in many cases. The shuttle service should be aligned with the POF schedule to improve passenger accessibility.

### Information

Providing passengers with easy access to information regarding the POF service can attract passengers by reducing anxiety of what to expect in their trip. Clear website information and mobile applications provide passengers with current POF schedules, rider information (including terminal locations and amenities), service interruptions and more.

### **Navigational Considerations**

For commuting passengers, travel time is an important consideration when deciding which public transportation they will use. To be competitive with other modes of transportation, POF commuter routes must consider the most efficient path to reach the destination. It is important to identify and consider navigational challenges including slow-down areas and in-water impediments that restrict the vessel speed and slow down the route. Vessel congestion and water recreational activities vary within each body of water, with many in King

County that are frequently congested with vessels, float planes, kayakers, crew and paddle boarders, or are restricted to low speeds in locations of high congestion and near residences.

### Land Use Compatibility and Availability

Future POF terminals should be compatible with surrounding land uses. This compatibility is partly related to the modal connections as described above, but also the surrounding land uses. Many terminal facility sites are located on public property including parks with existing docks. Terminal facility sites located on private property are typically adjacent to commercial uses including retail. Locating terminal facilities within parks and commercial areas is consistent with POF operations since these areas are destinations with better modal connections compared to residential and industrial areas.

### **Condition of Infrastructure and Improvements**

Terminal infrastructures, both in water and out of water, are expensive assets. Identified locations for future POF service should leverage existing infrastructure where possible to lower initial investment costs. Most landing sites proposed have existing in-water infrastructure in place that would require modifications to be ADA compliant and operational. The exception would be the Kenmore Lakepointe site that would require new in-water and upland terminal facilities.

Providing terminal facility amenities can also attract passengers. Upland infrastructure including weather protection shelters with seating, ticket vending machines (TVMs), restrooms, and informational booths should be considered at each terminal facility location. Appropriately placed wayfinding elements are critical to guiding passengers to the POF terminal and continuing to their destination.

It is important passengers feel safe and secure arriving at the terminal, boarding and riding the vessel, as well as departing the vessel. Upland safety improvements include providing adequate lighting, proper siting of amenities, and monitoring the site for safety. Additionally, clear safety instructions onboard the vessel allows passengers to trust the crew has safety procedures under control.

### **Environmental Impacts**

Environmental impacts associated with future terminal locations should be minimized as much as possible. This minimization can be achieved by utilizing existing in-water infrastructure when applicable or minimizing and avoiding impacts to environmentally sensitive areas with new infrastructure. Early coordination in the conceptual planning phase with the federal, state, and local agencies allow for anticipation of environmental requirements. During the conceptual design phase, environmental permitting requirements would identify potential environmental impacts and require impact minimization elements.

### TERMINAL FACILITY ELEMENTS

Program requirements for a future POF facility include amenities that make the site accessible, functional, and enjoyable for riders. These amenities may include both in-water and upland improvements, enhancing the passenger experience and service functions, while working within the constraints of the sites.

- Float to accommodate berthing vessels with side loading.
- Gangway and float to accommodate passenger loading and unloading with a minimum width of 12 feet for two-way passenger traffic.

- Sufficient area for placement of approximately 2-foot by 2-foot TVMs. These TVMs are solar-powered and equipped with cellular communications; therefore hard-wired power and communications are not required.
- A location with communications and power will be needed to store the portable fare transaction processors (handheld ORCA readers).
- A location will also be required to retrieve and store cash (if an accepted form of payment) from the portable fare boxes. This would require a vault at one of the terminals, located in the agent's office. This would likely be required regardless of whether or not a contracted service is utilized.
- Trash and recycling receptacles.
- Pedestrian and bicycle accessible walkways, approximately 12 feet wide to accommodate loading and unloading of passengers.
- Drop-off location for transit and personal vehicles should be located as close as possible to water taxi passenger loading.
- Loading ramps, communication, electrical gates and lighting are required at each slip. Potable water, sewage pump out, and shore power would be required at tie-up locations only.
- Meet secure facility recommendations, which includes delineation between public space and authorized personnel space (partitions or gates), adequate lighting, security cameras and storage facilities for crew belongings are also required.

### **VESSEL CHARACTERISTICS**

The size of the vessels is determined on ridership demand (capacity requirements) and service schedule (speed requirements). Other vessel design elements for consideration should be configuration and relationship to loading facilities, fuel consumption, ride quality, wake wash and general passenger amenities provided.

### **Configuration and Relationship to Loading Facilities**

Doors and queuing should be arranged to allow for terminal turnaround, including passenger unloading and loading, to occur in seven minutes or less for a full load in both directions. This is the typical turn-around time currently achieved by the King County Water Taxi. Aisle widths, door widths, number of embarkation stations, passenger routes, and seats per row should be designed to optimize passenger flow for new vessels.

Vessel draft and freeboard are also a consideration on the relationship to loading facilities/infrastructure such as a pier, dock or float. The two water bodies in the study will have different needs due to their differing water level characteristics. The median low low water (MLLW) for Lake Washington is controlled by the Army Corps of Engineers and has minimal variation, whereas the Puget Sound can see a tidal range of more than 16 feet.

### **Fuel Consumption**

To minimize overall operating costs, it is recommended that fuel efficient vessels be used wherever possible. However, there is often a tradeoff between vessel speed and vessel size and weight with fuel efficiency. Longer routes may require higher, less efficient speeds to meet schedule or in some cases lower speeds due to required slow downs, like in the Montlake Cut.

### Ride Quality / Schedule Reliability

Weather conditions in central Puget Sound can often present challenges for smaller vessels. During winter storms, wind waves can approach 3 feet, with sustained winds exceeding 30 knots and gusts up to 50 knots.

Under these conditions, the vessels cannot maintain their calm water speed and must slow down, thus affecting schedule reliability. In severe weather, some vessels will not be able to operate. Conditions on Lake Washington are quite different than Puget Sound, however wind waves can be experienced in severe conditions. This kind of weather would likely impact operations.

### **Passenger Amenities**

The following passenger amenities are outlined below in order of documented current King County Water Taxi rider preferences:

- Comfortable seating/Elbow Room
- Outdoor Seating
- Food/Beverages
- Wi-Fi
- Bike Racks

### Additional design elements to consider:

- Electrical Outlets
- Tables
- Bathroom facilities should be available for both crew and passengers, on-shore where possible, and on the vessels.

#### Wake Wash / Wake Energy

Wake wash energy is likely not too much concern on most of the routes as the majority of the transit is primarily in open water. However, the majority of the lakefront is comprised of residential uses that may have concerns about impact to their property. Wake wash/energy issues will mainly affect the routes during the maneuvering portions of the run. Wake wash is managed in the Montlake cut area through regulated slowdowns (no wake zones).

# Attachment A

King County Transportation Project Map



### FORMO

Tolli	ing Areas	-6-
Pote	ential Tolling Areas	(\$)
Exis	sting Light Rail	c
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**NOTES:** (1) Depicts projects within a 10-year planning horizon; (2) HCT includes express bus and bus rapid transit

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# Attachment B

King County Transportation Project Schedules

### TRANSPORTATION AGENCY PROJECT SCHEDULES

AGENCY	2014	2015		2016		2017	2018 2019 2020 2021 2022 2023 2024 2025
KING COUNTY MARINE DIVISION		Fit	nal Report Complete				
Services Expansion Options Report New Route Implementation		9/	/9/15				
PUGET SOUND REGIONAL COUNCIL PLANNING: Update to Transportation 2040	_	_		_			Anticipated Mid-2018
KING COUNTY METRO PLANNING: Long Range Plan	-			Scheduled Completion Mid-2016			
SOUND TRANSIT PLANNING: Long Range Plan	Approved 12/18/14						
ST3 Systems Planning Ballot Measure (Includes multiple transportation projects)	Ballot Measure Preparation 8	k Background Study					Targeted Ballot Initiative End of 2018
PROJECTS: U-Link					Scheduled Comple	tion	
East Link		Targeted Construe 2016-2	2021				Targeted Start of Service 2023
South 200th Street Link				Anticip Late 2	ated Completion 016		
Federal Way Link Extension	<b>0</b>						Anticipated Completion 202
Northgate Link							Anticipated Completion
SDOT PLANNING: RapidRide: Madison Street	-	Complete Conc Design 7/15	ept	Anticipated Completio	n.		
Roosevelt to Downtown HCT Project Study				A of Study Mid-2016			
WSDOT PLANNING: I-5 HOT Lane Tolling Study in Review	_	_		_			
PROJECTS: SR 520 Bridge Replacement	-				Scheduled Comple	tion	
I-90 Two-Way HOV Project	2015, Anticipa	ed Construction Start				Anticipated Completion Mid-2017	n
I-405 Widening & HOT Lanes		1					>>>>
Alaskan Way Viaduct/SR 99 Tunnel Project							Anticipated Completion 2018
SR 99 Tolling						1000	>>>>
SR 167 HOT Lane Tolling	Pilot Project Ends	6/15 / Tolling Extended i	if Funding Passes Legisla	ture			>>>

KEY:

Programmed/Under Construction Projects

A Milestones

# King County Water Taxi

# **TASK 2: ROUTE PROFILES**

Final Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS OCTOBER 30, 2015

### **Table of Contents** 1. Introduction 2. Methodology Passenger Only Ferry Route Distances and Travel Times **Travel Times of Competitive Modes Required Seat Changes** Fares by Mode Parking, Accessibility and Shuttle Requirements 3. **Elimination Criteria** 4 **Findings Time Competitiveness** 5. **Routes for Future Analysis**

### List of Figures

Figure 1: Potential KCWT Routes

- Figure 2: Elimination Criteria
- Figure 3: Routes for Future Analysis

### List of Tables

Table 1: Round-Trip Time Differential

Table 2: One-Way Rider Cost by Mode

### Attachments

- Attachment A Assumptions
- Attachment B Site Evaluation Matrix

Attachment C – POF Travel Time and Cost Summary

- Attachment D POF Travel Times
- Attachment E Route Competitiveness and Accessibility Data
- Attachment F Landing Site Assessments
- Attachment G Park and Ride Locations

## 1. Introduction

The purpose of this report is to outline the specific route profiles for each proposed route identified in the Task 1 Baseline Study and Route Identification Report and to identify the methodology and assumptions used to build these profiles. The ultimate goal of this analysis is to use the route profiles to assess which potential routes will move on for further analysis such as ridership demand and infrastructure needs.

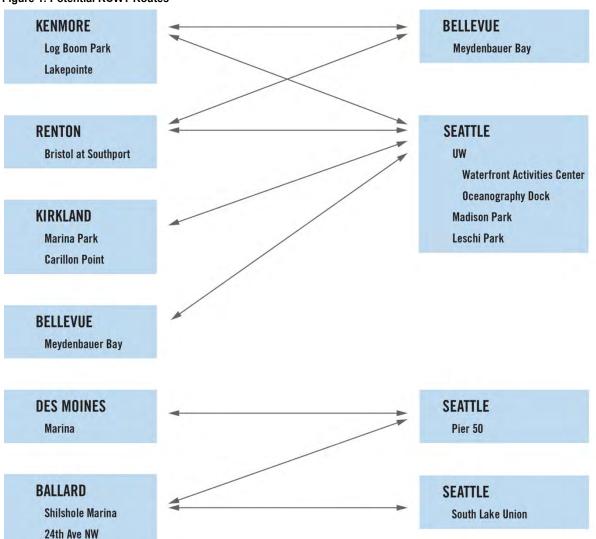
The route profiles will include:

- Travel time and cost for
  - o Passenger-only ferry (POF) service
  - Existing public transit service options<sup>1</sup> (bus, streetcar, Link light rail or a combination)
  - o Personal vehicle trips
- Convenience factors, such as walking distance, potential shuttle needs and number of transfers required
- Land use compatibility of a water taxi terminal use with local regulations.

Figure 1 outlines the route profiles that have been evaluated, as identified in Appendix A: Task 1 Baseline Study and Route Identification. It should be noted that while the figure identified the landside terminal locations for a proposed water taxi service, final destination for passengers were all assumed to be Downtown Seattle.

While the Task 1 report identified that terminal locations in Fremont were to be explored, adequate facilities could not be identified and no wake and speed restrictions in Lake Union reduce the competitiveness of the ferry compared to other modes; therefore, a Fremont landing site was not carried forward for further analysis. Additionally, Kenmore suggested the Harbor Village Marina as a potential landing site; however, based on the site inspection, the existing facilities would not be adequate for POF service due to accessibility issues and it was not included in this analysis. Additionally, Kirkland City officials mentioned the 2<sup>nd</sup> Avenue Dock within Marina Park as an option; however, this dock is further away from the transit hub in downtown Kirkland making it less accessible. Therefore, this dock was not considered further in this analysis.

<sup>&</sup>lt;sup>1</sup> Vanpool is another public transit option offered by King County. This mode of transportation was not identified in the competitive route profiles as the schedules are hard to compare to a scheduled service.



#### Figure 1: Potential KCWT Routes

## 2. Methodology

General route profile characteristics were evaluated by gathering the following information:

- POF route distances and travel times
- Travel times of other modes of transportation (bus, Link light rail, personal vehicle) from departure terminal to Downtown Seattle
- Required seat changes between modes
- Fares by mode
- Parking availability and accessibility at the terminal and/or potential shuttle requirements

For accurate comparisons between POF routes and current modes of transportation, assumptions were made for destination locations and commute periods<sup>2</sup>. The approach for gathering this data is described in summary below. For a comprehensive list of assumptions developed for this analysis, please refer to Attachment A.

### Passenger Only Ferry Route Distances and Travel Times

POF headways or routes were determined to be the fastest, most direct route. Captains with experience navigating Puget Sound and Lake Washington provided insight to determine optimal routes and maneuvering time requirements. Travel time was calculated for four (4) cruising speeds including 28, 30, 35, and 38 knots and accounted for slow down zones (at 7 knots) at landing approach, under bridge crossings and other mandated slowdown zones. The 35 knot speed was chosen for comparison in the alternative mode time competitiveness analysis. This speed is higher than current King County Water Taxi operations, however consistent with speeds Kitsap Transit has used with its demonstration service from Bremerton to Downtown Seattle (Pier 50). This higher speed is required to make the mode competitive. It should be noted that all POF travel times include some form of transit once a landing site has been reached, except for two of the routes, from Des Moines and Ballard which arrive into Pier 50 in downtown Seattle. POF travel times are identified in Attachment C.

### **Travel Times of Competitive Modes**

Currently, commuters travel to and from their destination via personal vehicle or public transit including Metro buses, Sound Transit Express buses, Link light rail, or a combination of modes. Transit route travel times were collected from the King County Metro trip planner and personal vehicular travel times were estimated using an average weekday peak period commute timeframe from Google Maps.

Many commuters traveling from the east side of Lake Washington to the central business district of Seattle park their vehicles at established park and rides and continue to Seattle via public transit.

### **Required Seat Changes**

Seat changes are identified as a movement from one mode to another. In this analysis, the first seat change counted occurs after arrival at the park and ride, transit center or shuttle location pick-up. Walking times were calculated for all POF trips, either from a drop–off location to the POF queue at the pier or from the POF landing site to the next mode of transportation. For every route, the POF mode of travel requires at least two (2) seat changes.

### Fares by Mode

Current fares were used to identify total cost per trip via other modes. Potential POF routes used the proposed 2015 King County Water Taxi ORCA fare of \$4.75 for the Vashon Island Route. Costs for personal vehicle trips were calculated using the 2015 IRS Mileage Rate (\$0.575) that includes fuel, wear and tear costs, and 2015 tolling rates.

<sup>&</sup>lt;sup>2</sup> Commute period is identified as 8:00 am arrival in downtown Seattle and departure time of 5:00 pm.

### Parking, Accessibility and Shuttle Requirements

Site visits were conducted at each identified terminal location to evaluate the current condition of in-water and upland infrastructure, as well as, to understand the accessibility and parking conditions at the site. Attachment F includes a profile for the current condition of each landing site.

On-site parking was assumed for the locations listed below. It should be noted that parking agreements have not been made with the local jurisdictions (where applicable) and in fact, some have expressed concern over shared parking in these locations. Parking was assumed for route competitiveness and, if parking is not possible, these routes may not meet time competitiveness measures.

- Renton (in the new Southport development currently under construction and located south of the existing dock. The development includes a 334,791sf hotel with 350 rooms; 724,520 square feet of Class "A" office space and 2,121 structured parking spaces<sup>3</sup>.)
- Ballard (within the Shilshole Marina parking)
- Des Moines (within Des Moines Marina parking)

Where on-site parking was not assumed, the nearest park and ride of over 50 vehicles was used to calculate total trip time. This assumption was used in order to cut down on potential shuttle transit time from small park and ride to small park and ride to pick up passengers. Transit Centers with no parking were assumed in the urban areas of Downtown Kirkland and Bellevue. The Kirkland transit center is a short walk (approximately five minutes) to the landing site and it is assumed a shuttle would be provided to and from the Bellevue Transit Center to the landing site.

## 3. Elimination Criteria

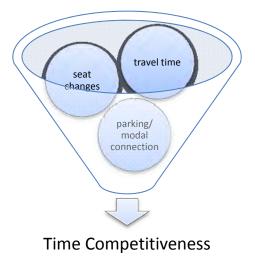
The initial scope of work identified three distinct elimination criteria: time competitiveness, convenience (seat changes) and parking/modal connections.

However, through our analysis; it became clear that convenience factors and parking/modal connections played an important role in the overall time competitiveness of a route. Therefore, rather than the criteria being three separate factors, two of the factors really determined why or why not a route was more time competitive than another. Figure 2 indicates how the three components contribute to the evaluation of time competitiveness.

For this analysis, time competitiveness is defined as equal to or less than a 40 minute total round-trip delta between a POF and the alternate mode of transportation.

<sup>&</sup>lt;sup>3</sup> Renton Southport Development Information. <u>http://www.secodev.com/</u>

### Figure 2: Elimination Criteria



## 4. Findings

There are four key overall findings that are identified in this analysis. These include:

- Time Competitiveness
- Cost Competitiveness
- Parking Assumptions
- Land Use Compatibility

### Time Competitiveness

Overall, the time competitiveness analysis concluded that no proposed POF route would have a better total round-trip time than the competing modes in 2015 (bus, Link light rail or personal vehicle). In most cases, a personal vehicle is the fastest mode of transportation as of 2015. However, it should be noted that while average travel times identify the personal vehicle as the quickest form of transportation, this mode is often the most variable and unpredictable with accidents, special events and weather heavily contributing to vastly varying travel times which can double or triple the average trip time. Additionally, delay is only increasing on our region's highway systems. A 2013-2014 Puget Sound Regional Council study indicated that delay on our regions highways increased 25 percent from 2013 to 2014<sup>4</sup>. It is expected that this delay will continue to grow as our economy and population grow.

POF travel does not have the kind of variability in travel times as the personal vehicle, or even bus transit as travel on the water provides flexibility to go around a potential hazard. Severe weather can pose some delays for water travel; however those are rare and not expected for the Lake Washington routes specifically.

<sup>&</sup>lt;sup>4</sup> PSRC, "Stuck in Traffic: 2015 Report" presentation, 3/16/15.

The following sites identified in Table 1 meet the evaluation criteria for travel time competitiveness (identified as being no more than 40 minute longer than the round-trip transit time) for each route. This table identifies round trip time differential for POF vs. transit mode of travel, as well as, the total round trip commute time. The most time savings was found on the north/south routes from Renton to Bellevue and Kenmore to Bellevue, which uses the I-405 corridor as the alternative. The routes that just make the cut include Des Moines to Downtown Seattle (Pier 50) and Bellevue to Madison and UW WAC.

Please refer to Attachment C for more detailed information regarding trip time competitiveness calculations, including AM and PM on-way trip times and associated trip time comparisons.

Route	Round-Trip Time Differential (POF vs Transit)	POF Total Round-Trip Time
Kenmore to UW WAC	26 Minutes	1 Hour 49 Minutes
Kenmore to Bellevue*	16 Minutes	1 Hour 39 Minutes
Kirkland to UW WAC	17 Minutes	1 Hour 36 Minutes
Kirkland to Madison	30 Minutes	1 Hour 45 Minutes
Kirkland to Leschi	27 Minutes	1 Hour 46 Minutes
Bellevue* to UW WAC	38 Minutes	1 Hour 43 Minutes
Bellevue* to Madison	38 Minutes	1 Hour 43 Minutes
Bellevue* to Leschi	33 Minutes	1 Hour 38 Minutes
Renton to Bellevue*	13 Minutes	1 Hour 16 Minutes
Des Moines to Downtown Seattle (Pier 50)	39 Minutes	1 Hour 41 Minutes
Ballard to Downtown Seattle (Pier 50)	29 Minutes	1 Hour 18 Minutes

 Table 1: Round-Trip Time Differential

Note: POF total round-tip time includes shuttle ride to the departure terminal (if needed), POF sailing and connection to arrival business district (Seattle or Bellevue) through transit or shuttle and the trip back to the original departure terminal.

The UW WAC landing site provides the most advantageous connection to the new UW Link light rail station with only a short 6-minute walk from the landing site to the UW Link light rail station. This connection makes this landing site the optimal site for a west side connection. Therefore, Leschi and Madison were eliminated from further analysis.

Log Boom Park in Kenmore was chosen over Lakepointe as the Kenmore terminal location due to the fact that Lakepointe is privately owned and timeframe for redevelopment of the site is currently unknown. However, the Lakepointe development site could be a long-term option for a future Water Taxi terminal location. In Kirkland, Marina Park provides more connections to residential density, employment and transit connections (KC Metro Routes: 234, 235, 236, 238, 245, 248, 255 and ST 540) than the potential terminal at Carillon Point (served by KC Metro Routes 234 and 235) and therefore, Carillon Point was eliminated from further analysis. Additionally, a shuttle was not considered when calculating time differentials with other modes of transit; but based on discussions with City of Kirkland officials (refer to Attachment E), a shuttle was included as part of the operating costs identified in Attachment D.

### **Cost Competitiveness**

In addition to the unpredictability of personal vehicle trip time, this mode is also the most expensive option for the rider, ranging from \$2.50 to \$11.91 one-way in gas, tolls, wear and tear, as well as, an additional \$15 to \$30 for all-day parking downtown. While a POF fare would be more expensive than the bus or light rail transit mode, it would be far less than driving and parking a personal vehicle in the City. As a passenger, the bus is the least expensive of the three modes. Table 2 provides the approximate costs for each commute tip by mode.

Proposed Route	POF (2016)	Transit (2015)	Personal Vehicle* (2015)
Kenmore to UW WAC	\$5.25	\$2.50	\$8.11
Kenmore to Bellevue	\$5.25	\$2.75	\$7.99
Kirkland (Marina) to UW WAC	\$5.25	\$3.25	\$11.91
Kirkland (Carillon) to UW WAC	\$5.25	\$3.25	\$8.98
Bellevue to UW WAC	\$5.25	\$2.50	\$10.13
Renton to UW WAC	\$5.25	\$3.25	\$10.18
Renton to Bellevue	\$5.25	\$2.50	\$6.10
Des Moines to Downtown Seattle (Pier 50)	\$5.25	\$3.25	\$9.78
Ballard to Downtown Seattle (Pier 50)	\$5.25	\$2.75	\$3.22

### Table 2: One-Way Rider Cost by Mode

\*Note: Does not include downtown Seattle parking costs, which can range from \$15.00 to \$30.00 per day.

### **Parking Assumptions**

Parking availability is hard to come by at most of the terminal locations. The only sites which have some level of on-site parking opportunity are the future Lakepointe development in Kenmore, the future hotel/restaurant/office development in Renton, the Shilshole Marina owned by the Port of Seattle, and the Des Moines Marina, owned by the City of Des Moines. The Lakepointe development site could be viable long-term location for a Water Taxi; however, with the current master plan for the site under development, and will require years for development. Therefore, the Lakepointe site is not included for further analysis in this report and would require additional analysis to pursue. The Port of Seattle was contacted for parking availability at Shilshole and was open to considering parking for Water Taxi passengers. The City of Des Moines has concerns about shared parking at the marina with their current community events that utilize that space, as well as potential redevelopment of the site.

Park and rides in the vicinity of the terminal locations currently reach capacity; therefore available parking would be a challenge at most of the terminal locations.

As mentioned in the methodology, parking was assumed at several terminal locations for route competitiveness. If parking is not possible at these locations where parking is assumed on-site (Renton,

Ballard and Des Moines), time competitiveness will likely not be met. Refer to Attachment G for a map of existing park and ride locations.

### Land Use Compatibility

Most land use plans do not specifically identify a POF facility as a planned use; however, most regulations allow for commercial transportation uses. POF terminal facilities are water dependant uses that are restricted by federal, state, and local land use and environmental regulations. Generally, all sites proposed for further analysis have water transportation compatible surrounding uses.

While jurisdictions have been notified of this work, specific conversations about proposed improvements have not yet been vetted or approved. Generally most agencies have shown support for the service. It is understood that land use processes locally, as well as, federal and state environmental review would occur prior to infrastructure construction occurs and service is provided.

## 5. Routes for Further Analysis

Routes identified for further ridership demand analysis include:

1. Kenmore<sup>5</sup> (Log Boom Park) to UW WAC

Log Boom Park in Kenmore is located along the Burke Gilman trail and nearby the Kenmore City center. The City continues to be very interested in future water taxi service to their jurisdiction. This route is very time competitive due to the congestion on highways 522 and I-5. Additionally, a connection to UW provides a direct destination connection, as well as a connecting location to Downtown Seattle to the south and north after Link Light rail expansion. This route provides a 26 minute round trip total trip time differential from the transit mode alternative and a 23 minute differential from a personal vehicle mode.

2. Kenmore (Log Boom Park) to Bellevue (Marina)

Log Boom Park in Kenmore is located along the Burke Gilman trail and nearby the Kenmore City center. The City continues to be very interested in future water taxi service to their jurisdiction. This route is very time competitive due to the congestion on highways 522 and the 405 corridor. Future tolling on 405 provides additional unknowns about increase in corridor congestion. The connection at Bellevue Marina, however is comprised of a very steep slope down to the waterfront which could prove challenging for both pedestrians and shuttles. The City of Bellevue Comprehensive Plan is prioritizing improvements to the pedestrian connections from downtown Bellevue to Meydenbauer Bay. This route is the second most competitive of those analyzed at a 16 minute total round-trip time differential from the transit mode alternative and a 25 minute differential from a personal vehicle mode.

<sup>&</sup>lt;sup>5</sup> The Lakepointe site is under private ownership with redevelopment plans currently underway. The schedule for redevelopment is unknown. This site, once developed, will provide superior multi-modal access and it is recommended that parking be provided at this site to enhance water taxi ridership appeal.

3. Kirkland (Marina Park) to UW WAC

Kirkland Marina Park is located in the heart of downtown Kirkland. The Marina is just two blocks away from the Kirkland Transit Center. This route is very competitive of those analyzed, with a 17 minute round- trip time differential from the transit mode alternative, however a 46 minute differential from a personal vehicle mode. This comparison to the personal vehicle travel times could become more competitive when tolling is implemented on I-90 and traffic balances out between the two toll roads.

4. Bellevue (Marina) to UW WAC

As mentioned in item #2 above, the Bellevue terminal location presents many challenges for pedestrians. While this route met the time competitiveness evaluation criteria (at a 38 minute differential), it is noted that the current plans to extend light rail to downtown Bellevue will provide an even more competitive mode of travel with connection to downtown Seattle, University of Washington and SeaTac Airport. This route has a 38 minute round- trip time differential from the transit mode alternative and a 56 minute differential from a personal vehicle mode.

5. Renton to Bellevue (Marina)

The terminal site in Renton is located on private property owned by SECO Development Group. The Bristol at Southport is a luxury apartment complex which is located adjacent to the dock. The neighboring property is also owned by SECO and is currently being developed with a new hotel and office space. This route is very time competitive due to the congestion on the 405 corridor. Future tolling on 405 provides additional unknowns about increases in corridor congestion. The connection at Bellevue Marina, however is comprised by a very steep slope down to the waterfront which could prove challenging for both pedestrians and shuttles. This route is the most competitive of those analyzed at a 13 minute round-trip time differential from the transit mode and a 12 minute differential from a personal vehicle mode.

6. Des Moines (Marina) to Downtown Seattle (Pier 50)

The terminal site in Des Moines is located in the Des Moines Marina. As mentioned previously in this report, parking was assumed on-site in order to make this a competitive route. If parking is not available on-site, this route would have a fatal flaw. While the travel time competitiveness was compared to current transit routes, Des Moines will have a Link light rail connection in 2023. Downtown Seattle (Pier 50) is the current Water Taxi terminal and has good pedestrian connections to surrounding employment and the Transit Tunnel. This route has a 39 minute round-trip time differential from the transit mode alternative and a 30 minute differential from a personal vehicle mode.

7. Ballard (Marina) to Downtown Seattle (Pier 50)

The terminal site in Ballard is located in the Shilshole Bay Marina. Much like Des Moines, parking was assumed on-site in order to make this a competitive route. If parking is not available on-site, this route would have a fatal flaw as transit and pedestrian access to the Marina are very challenging. Pier 50 in Seattle is the current Water Taxi terminal and has good pedestrian connections to surrounding employment and the Transit Tunnel. This route has a 29 minute round- trip time differential from the transit mode alternative and a 34 minute differential from a personal vehicle mode.

Figure 3: Routes for Future Analysis





# Attachment A

### Assumptions

Travel Times:

- Loading and unloading of passengers will take a total of 7 minutes. That includes 4 minutes to load and 3 minutes to unload.
- Maneuvering time baseline is set to 1.5 minutes. This baseline is modified when identified that more or less time is needed by experienced KCMD Captains.
- POF travel times factored in walk time to the landing site and from the landing site to connecting transit. For example, there is a 3 minute walk from the drop-off location at the Kenmore Log Boom Park parking area to queuing. Similarly, a 6 minute walk time was calculated for the connection from UW Waterfront Activities Center (WAC) to the UW Link light rail station.
- Downtown Seattle destination/central business district can be defined as University Street Station at University Street and 3<sup>rd</sup> Avenue.
- The central business district of Bellevue defined as the Bellevue Transit Center at 108<sup>th</sup> Ave NE and NE 6<sup>th</sup> St.
- Commute periods: arrival at destination at 8:00 AM and departure time at 5:00 PM
- Vehicle and transit trips were calculated from the same point, either transit center or nearest park and ride with capacity of greater than 50 cars, unless on-site parking was assumed.
- Based on information received from Sound Transit, travel time between the UW Link light rail station and University Street Station is estimated to be approximately 10 minutes.
- Public transit travel times were calculated using Metro trip planner, which relies on transit schedules—planned for average delay, however does not take into account above average delay or special event delay.
- Personal vehicle trips were calculated at approximately 7:30 AM and 5:00 PM Tuesday through Thursday, with times (which include traffic) averaged over a two week period using Google Maps travel time.
- Total trip travel times by mode where calculated using whole trip mode time from first point (transit center, park and ride or terminal) to downtown Seattle at 3<sup>rd</sup> Avenue and University. (i.e. shuttle to POF terminal, walk from drop off to queue, POF crossing, walk time to from POF terminal to transit connection, transit crossing.) "Just in time: departure of water taxi with no wait time on the dock was assumed.

Seat Changes or Transfers:

- Arrival to the first point in the commute was not considered a seat change (i.e. car or walk from home to transit center, park and ride or terminal)
- Driving a personal vehicle was not considered a seat change.
- Taking a shuttle to the POF terminal was considered one seat change.

### Fares:

- Current 2015 Metro and Sound Transit fares were used to calculate transit mode cost.
- The highest fare in the transit trip was used for the max fare for the one-way trip.
- The 2016 KCWT Vashon Route fare (\$5.25) was used as a placeholder to calculate potential POF fare.
- The 2015 IRS Standard Mileage Rate (\$0.575) was used to calculate operating costs for personal vehicle mode of travel.
- 2015 peak toll rates were applied to trips across State Route 520.
- Parking fees were not included in trip calculation, which can range from \$15.00 to \$30.00 for 8 hours of peak period parking.

#### Parking Availability:

- Parking capacity at the terminal was evaluated during the site inspections and information received from agencies.
- On-site parking was assumed at Des Moines, Ballard, Lakepointe and Renton.

### Shuttle Requirements:

- Park and rides within <sup>1</sup>/<sub>4</sub>-mile of the terminal were considered walkable and therefore would not require shuttle service.
- Terminals without parking available onsite or without a park and ride within <sup>1</sup>/<sub>4</sub>-mile of the site required a shuttle.
- When needed, shuttle travel time was calculated from the nearest park and ride (Kenmore) or transit center (Bellevue) to the landing site.
- Shuttle drop-off would occur at nearest possible point to the POF dock.
- Upon request, a one route shuttle serving downtown Kirkland will be assumed in the operating cost analysis in Task 3. A shuttle was not part of the time competitiveness or ridership analysis.

# Attachment B

### Site Evaluation Matrix

Route	Ownership	Time Competitive	Departure Site Access	Destination Transit/Ped Connections	Parking/Shuttle Needs	Other/Notes
Kenmore (Log Boom Park) to UW WAC	Public	•	€	•	@ Nearest Park and Ride, Shuttle needed	Route moving forward in analysis
Kenmore (Log Boom Park) to UW Oceanography	Public	0	•	0	@ Nearest Park and Ride, Shuttle needed	Is not time competitive, therefore eliminated
Kenmore (Log Boom Park) to Madison	Public	0	€	€	@ Nearest Park and Ride, Shuttle needed	Is not time competitive, therefore eliminated
Kenmore (Log Boom Park) to Leschi	Public	0	●	€	@ Nearest Park and Ride, Shuttle needed	Is not time competitive, therefore eliminated
Kenmore (Log Boom Park) to Bellevue	Public	•	•	€	@ Nearest Park and Ride, Shuttle needed	Route moving forward in analysis
Kenmore (Lakepointe) to UW WAC	Private (development timeframe unknown)	•	N/A	•	Parking is a possibility on-site as a part of site redevelopment	Development timeframe unknown, therefore eliminated. Log Boom is carried forward as Kenmore site
Kenmore (Lakepointe) to UW Oceanography	Private (development timeframe unknown)	•	N/A	0	Parking is a possibility on-site as a part of site redevelopment	Eliminated due to superior connection (due to light rail) at UW WAC
Kenmore (Lakepointe) to Madison	Private (development timeframe unknown)	•	N/A	€	Parking is a possibility on-site as a part of site redevelopment	Eliminated due to superior connection at UW WAC
KEY		Yes/Good	Moderate	O No/Poor		

Route	Ownership	Time Competitive	Departure Site Access	Destination Transit/Ped Connections	Parking/Shuttle Needs	Other/Notes
Kenmore (Lakepointe) to Leschi	Private (development timeframe unknown)	•	N/A	⊜	Parking is a possibility on-site as a part of site redevelopment	Eliminated due to superior connection at UW WAC
Kenmore (Lakepointe) to Bellevue	Private (development timeframe unknown)	•	N/A	●	Parking is a possibility on-site as a part of site redevelopment	Development timeframe unknown, therefore eliminated. Log Boom is carried forward as Kenmore site
Kirkland (Marina Park) to UW WAC	Public	•		•	No parking available Shuttle per Outreach	Route moving forward in analysis
Kirkland (Marina Park) to UW Oceanography	Public	•	•	0	No parking available No shuttle needed	Walking route is indirect to the Link light rail station.
Kirkland (Marina Park) to Madison	Public	•	•	●	No parking available No shuttle needed	Eliminated due to superior connection at UW WAC
Kirkland (Marina Park) to Leschi	Public	•	•	●	No parking available No shuttle needed	Eliminated due to superior connection at UW WAC
Kirkland (Carillon Point) to UW WAC	Private (built out)	•	●	•	Parking on-site	Eliminated due to superior connection at Marina Park, Kirkland
Kirkland (Carillon Point) to UW Oceanography	Private (built out)	•	●	0	Parking on-site	Walking route is indirect to the Link light rail station.
Kirkland (Carillon Point) to Madison	Private (built out)	•	●	●	Parking on-site	Eliminated due to superior connection at UW WAC
Kirkland (Carillon Point) to Leschi	Private (built out)	•	●	●	Parking on-site	Eliminated due to superior connection at UW WAC
Bellevue to UW WAC	Public	•	●	•	No parking available Shuttle needed from transit center	Route moving forward in analysis
KEY	•	• Yes/Good	Moderate	O No/Poor		

Route	Ownership	Time Competitive	Departure Site Access	Destination Transit/Ped Connections	Parking/Shuttle Needs	Other/Notes
Bellevue to UW Oceanography	Public	0	€	0	No parking available Shuttle needed from transit center	Is not time competitive, therefore eliminated
Bellevue to Madison	Public		€	⊖	No parking available Shuttle needed from transit center	Eliminated due to superior connection at UW WAC
Bellevue to Leschi	Public	•	€	⊖	No parking available Shuttle needed from transit center	Eliminated due to superior connection at UW WAC
Renton to UW WAC	Private (under construction)	0	•	•	Parking assumed at development site	Is not time competitive, therefore eliminated
Renton to UW Oceanography	Private (under construction)	0	•	0	Parking assumed at development site	Is not time competitive, therefore eliminated
Renton to Madison	Private (under construction)	0	•	⊜	Parking assumed at development site	Is not time competitive, therefore eliminated
Renton to Leschi	Private (under construction)	•	•	€	Parking assumed at development site	Eliminated due to superior connection at UW WAC
Renton to Bellevue	Private (under construction)	•	•	€	Parking assumed at development site	Route moving forward in analysis
Des Moines to Downtown Seattle (Pier 50)	Public	•	●	•	Parking assumed at Marina	Route moving forward in analysis
Ballard to Downtown Seattle (Pier 50)	Port of Seattle	•	€	٠	Parking assumed at Marina	Route moving forward in analysis
Ballard (24 <sup>th</sup> ) to South Lake Union	Public	0	•	•	No parking, located near neighborhood center	Is not time competitive, therefore eliminated
KEY		Yes/Good	Moderate	O No/Poor		

# Attachment C

POF Travel Time and Cost Summary

	Total Tr	ip Delta	To	tal Trip Tir	ne		nmute by M	ode		mute by N	lode	PM D	elta	AM D	Delta
	delta POF/	delta		-		POF (35knt)			POF (35knt)			delta POF/	delta	delta POF/	delta
Route	Transit	POF/Car	POF	Transit	Car	Travel Time	Transit	Car	Travel Time	Transit	Car	Transit	POF/Car	Transit	POF/Car
Kenmore (LB) to UW WAC	0:26	0:23	1:49	1:23	1:25	54.8	39	43	54.8	44	42	10.8	12.5	15.8	11.4
Kenmore (LB) to UW Oceanography	0:51	0:48	2:14	1:23	1:25	67.1	39	43	67.1	44	42	23.1	24.8	28.1	23.7
Kenmore (LB) to Madison	0:46	0:44	2:09		1:25	62.0	39	43	68.0	44	42	24.0	25.6	23.0	18.6
Kenmore (LB) to Leschi	0:43	0:40	2:06	1:23	1:25	61.1	39	43	65.1	44	42	21.1	22.8	22.1	17.7
Kenmore (LB) to Bellevue	0:16	0:25	1:39	-	1:14	49.7	41	36	49.7	42	38	7.7	11.7	8.7	13.7
Kenmore (LP) to UW WAC	0:12	0:09	1:35	1:23	1:25	47.8	39	43	47.8	44	42	3.8	5.5	8.8	4.4
Kenmore (LP) to UW Oceanography	0:24	0:22	1:47	1:23	1:25	60.1	39	43	47.8	44	42	3.8	5.5	21.1	16.7
Kenmore (LP) to Madison	0:32	0:30	1:55	1:23	1:25	55.0	39	43	61.0	44	42	17.0	18.6	16.0	11.6
Kenmore (LP) to Leschi	0:29	0:26	1:52	1:23	1:25	54.1	39	43	58.1	44	42	14.1	15.8	15.1	10.7
Kenmore (LP) to Bellevue	0:05	0:14	1:28		1:14	43.7	41	36	44.7	42	38	2.7	6.7	2.7	7.7
Kirkland (Marina) to UW WAC	0:21	0:50	1:40	1:19	0:50	50.2	34	22	50.2	45	28	5.2	22.2	16.2	28.2
Kirkland (Marina) to UW Oceanography	0:30	0:59	1:49	1:19	0:50	59.2	34	22	50.2	45	28	5.2	22.2	25.2	37.2
Kirkland (Marina) to Madison	0:34	1:03	1:53	1:19	0:50	53.9	34	22	59.9	45	28	14.9	31.9	19.9	31.9
Kirkland (Marina) to Leschi	0:31	1:00	1:50		0:50	53.1	34	22	57.1	45	28	12.1	29.1	19.1	31.1
Kirkland (Carillon) to UW WAC	0:23	0:45	1:20	0:57	0:35	40.2	27	18	40.2	30	18	10.2	22.5	13.2	22.5
Kirkland (Carillon) to UW Oceanography	0:39	1:01	1:36	0:57	0:35	48.2	27	18	48.2	30	18	18.2	30.5	21.2	30.5
Kirkland (Carillon) to Madison	0:37	0:58	1:34		0:35	47.2	27	18	47.2	30	18	17.2	29.5	20.2	29.5
Kirkland (Carillon) to Leschi	0:39	1:01	1:36	0:57	0:35	46.3	27	18	50.3	30	18	20.3	32.6	19.3	28.6
Bellevue to UW WAC	0:38	0:56	1:43	1:05	0:47	51.7	32	22	51.7	33		18.7	26.7	19.7	29.
Bellevue to UW Oceanography	1:03	1:21	2:08	1:05	0:47	64.0	32	22	64.0	33	25	31.0	39.0	32.0	42.0
Bellevue to Madison	0:38	0:56	1:43	1:05	0:47	51.8	32	22	51.8	33	25	18.8	26.8	19.8	29.8
Bellevue to Leschi	0:33	0:51	1:38	1:05	0:47	47.1	32	22	51.1	33	25	18.1	26.1	15.1	25.
Renton to UW WAC	0:49	0:52	1:56	1:07	1:03	58.1	31	32	58.1	36	32	22.1	26.5	27.1	26.
Renton to UW Oceanography	1:13	1:17	2:20	1:07	1:03	70.4	31	32	70.4	36	32	34.4	38.7	39.4	38.4
Renton to Madison	0:49	0:52	1:56		1:03	58.1	31	32	58.1	36	32	22.1	26.5	27.1	26.
Renton to Leschi	0:37	0:41	1:44	-	1:03	50.5	31	32	54.5	36	32	18.5	22.8	19.5	18.
Renton to Bellevue	0:13	0:12	1:16		1:03	37.6	23	30	38.6	40	34	-1	4	15	
Des Moines to Pier 50	0:39	0:30	1:41	1:02	1:10	50.6	28	37	50.6	34	34	17	17	23	1;
Ballard to Pier 50	0:29	0:34	1:18		0:44	39.4	21	20	39.4	28	24	11	15	18	19
Ballard to SLU	1:03	1:08	1:52	0:49	0:44	55.1	21	20	57.1	28	24	29	33	34	3
	< 40 min														
Кеу	Delta					Fastest Travel	Time		Fastest Travel 1	Time					

### Summary of Travel Time and Costs for Each Route (35 knots)

	Cost (one-way)		Co	ost
POF	Bus/Light Rail	Car*	delta POF/ Transit	delta POF/Car
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.75	\$ 7.99	\$ 2.00	\$ (3.24)
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.50	\$ 8.11	\$ 2.25	\$ (3.36)
\$ 4.75	\$ 2.75	\$ 7.99	\$ 2.00	\$ (3.24)
\$ 4.75	\$ 3.25	\$ 11.91	\$ 1.50	\$ (7.16)
\$ 4.75	\$ 3.25	\$ 11.91	\$ 1.50	\$ (7.16)
\$ 4.75	\$ 3.25	\$ 11.91	\$ 1.50	\$ (7.16)
\$ 4.75	\$ 3.25	\$ 11.91	\$ 1.50	\$ (7.16)
\$ 4.75	\$ 3.25	\$ 8.98	\$ 1.50	\$ (4.23)
\$ 4.75	\$ 3.25	\$ 8.98	\$ 1.50	\$ (4.23)
\$ 4.75	\$ 3.25	\$ 8.98	\$ 1.50	\$ (4.23)
\$ 4.75	\$ 3.25	\$ 8.98	\$ 1.50	\$ (4.23)
\$ 4.75	\$ 2.50	\$ 10.13	\$ 2.25	\$ (5.38)
\$ 4.75	\$ 2.50	\$ 10.13	\$ 2.25	\$ (5.38)
\$ 4.75	\$ 2.50	\$ 10.13	\$ 2.25	\$ (5.38)
\$ 4.75	\$ 2.50	\$ 10.13	\$ 2.25	\$ (5.38)
\$ 4.75	\$ 3.25	\$ 10.18	\$ 1.50	\$ (5.43)
\$ 4.75	\$ 3.25	\$ 10.18	\$ 1.50	\$ (5.43)
\$ 4.75	\$ 3.25	\$ 10.18	\$ 1.50	\$ (5.43)
\$ 4.75	\$ 3.25	\$ 10.18	\$ 1.50	\$ (5.43)
\$ 4.75	\$ 2.50	\$ 6.10	\$ 2.25	\$ (1.35)
\$ 4.75	\$ 3.25	\$ 9.78	\$ 1.50	\$ (5.03)
\$ 4.75	\$ 2.75	\$ 3.22	\$ 2.00	\$ 1.53
\$ 4.75	\$ 2.75	\$ 3.22	\$ 2.00	\$ 1.53
Lowest Cost			Less than \$3	
*Does not in	clude parking	 		

# Attachment D

**POF Travel Times** 

#### DRAFT CROSSING TIME MODEL

Note: For all variables with a base assumption, conditional formatting is set up to highlight assumptions that differ from the base value

Note: For all variables with a base assumption, condit	uonai ionnaiting is set up			om me base value
  | From K  | Kenmore  |  |  |   
  |   |   |  
   | From Renton   |  |  |  |   |  
  | From H   | Kirkland   |  |   |   
  |  | From B   | ellevue   |  
   |  | To Pier 50   |   |
|---|--|--|---|--
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SLOW ESTIMATE	Base Assumption	Kenmore LB- UW WAC	Kenmore LB- UW (OD)
  | Kenmore LB-<br>Bellevue   | Kenmore LP –<br>UW WAC   | Kenmore LP –<br>UW (OD)  | Kenmore LP –<br>Madison  | Kenmore LP –<br>Leschi  
  | Kenmore LB-<br>Bellevue   | Renton –<br>UW WAC  | Renton –<br>UW (OD)  
   | Renton –<br>Madison   | Renton –<br>Leschi   | Renton –<br>Bellevue   | Kirkland (MP) –<br>UW WAC  | Kirkland (MP) –<br>UW (OD)  | Kirkland (MP) -<br>Madison   
  | Kirkland (MP) –<br>Leschi  | Kirkland (CP) –<br>UW WAC  | Kirkland (CP) –<br>UW (OD)   | Kirkland (CP) –<br>Madison  | Kirkland (CP) –<br>Leschi   
  | Bellevue –<br>UW WAC   | Bellevue –<br>UW (OD)  | Bellevue –<br>Madison   | Bellevue –<br>Leschi   
   | Des Moines –<br>Pier 50  | Ballard Marina<br>–Pier 50   | Ballard (24th)–<br>SLU  |
| Total Route length (nautical miles)   |  | 8.65   | 9.15  | 8.20   | 10.30   
  | 10.57   | 8.80   | 9.30   | 8.35   | 10.45   
  | 10.72   | 12.55   | 13.05  
   | 11.10   | 8.46   | 7.32   | 4.15   | 4.65  | 3.60   
  | 5.70   | 3.75   | 4.25   | 3.20  | 5.30  
  | 4.87   | 5.37   | 3.47  | 2.57   
   | 10.35  | 5.80   | 3.40  |
| Route length at max speed   | 0.00   | 7.40   | 7.40  | 7.40   | 9.65<br>0.30  
  | 9.97  | 7.40   | 7.40   | 7.40   | 9.65<br>0.30  
  | 9.97  | 10.95   | 10.95<br>2.00  
   | 10.75<br>0.25   | 8.06<br>0.25   | 6.97   | 3.52   | 3.10  | 3.00   
  | 5.25   | 2.65   | 2.65   | 2.55  | 4.80  
  | 3.52   | 3.52   | 3.37  | 2.42   
   | 9.35   | 5.30   | 2.90  |
| Route length at reduced speed<br>Max Speed (knots)  | 28.00  | 0.95 28.00   | 1.45  | 28.00  | 28.00   
  | 28.00   | 28.00  | 1.45   | 28.00  | 28.00   
  | 28.00   | 28.00   | 2.00   
   | 28.00   | 28.00  | 28.00  | 1.25<br>28.00  | 1.45<br>28.00   | 0.50 28.00   
  | 28.00  | 28.00  | 1.45<br>28.00  | 0.50 28.00  | 28.00   
  | 28.00  | 1.75<br>28.00  | 28.00   | 28.00  
   | 28.00  | 28.00  | 7.00  |
| Reduced Speed (knots)   | 7.00   | 7.00   | 7.00  | 7.00   | 7.00  
  | 7.00  | 7.00   | 7.00   | 7.00   | 7.00  
  | 7.00  | 7.00  | 7.00   
   | 7.00  | 7.00   | 7.00   | 7.00   | 7.00  | 7.00   
  | 7.00   | 7.00   | 7.00   | 7.00  | 7.00  
  | 7.00   | 7.00   | 7.00  | 7.00   
   | 7.00   | 7.00   | 7.00  | | |
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   |   |  |  |  |   |  
  |  |  |  |   |   
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   |  |  |   |
| Time allowed for passenger loading (min)  | 4.00   | 4.00   | 4.00  | 4.00<br>1.50   | 4.00<br>1.50  
  | 4.00<br>1.50  | 4.00   | 4.00<br>1.50   | 4.00   | 4.00<br>1.50  
  | 4.00  | 4.00  | 4.00   
   | 4.00  | 4.00   | 4.00   | 4.00   | 4.00  | 4.00   
  | 4.00   | 4.00   | 4.00   | 4.00  | 4.00  
  | 4.00   | 4.00<br>1.50   | 4.00<br>1.50  | 4.00<br>1.50   
   | 4.00   | 4.00   | 4.00  |
| Time allowed for maneuvers over first .15 mile (min)<br>Crossing time at max speed (min)  | 1.50   | 1.50   | 15.86   | 1.50   | 20.68   
  | 21.36   | 15.86  | 15.86  | 15.86  | 20.68   
  | 21.36   | 23.46   | 23.46  
   | 23.04   | 1.00   | 14.94  | 7.54   | 6.64  | 6.43   
  | 11.25  | 5.68   | 5.68   | 5.46  | 2.00  
  | 7.54   | 7.54   | 7.22  | 5.19   
   | 20.04  | 11.36  | 24.86   |
| Crossing time at reduced speed (min)  |  | 8.14   | 12.43   | 4.29   | 2.57  
  | 2.57  | 8.14   | 12.43  | 4.29   | 2.57  
  | 2.57  | 12.86   | 17.14  
   | 2.14  | 2.14   | 2.14   | 10.71  | 12.43   | 4.29   
  | 2.57   | 8.14   | 12.43  | 4.29  | 2.57  
  | 10.71  | 15.00  | 0.00  | 0.00   
   | 8.57   | 4.29   | 4.29  |
| Time allowed for maneuvers over last .15 mile (min)   | 2.50   | 2.50   | 2.50  | 2.50   | 2.50  
  | 2.50  | 2.50   | 2.50   | 2.50   | 2.50  
  | 2.50  | 2.50  | 2.50   
   | 2.50  | 2.50   | 2.50   | 2.50   | 2.50  | 2.50   
  | 2.50   | 2.50   | 2.50   | 2.50  | 2.50  
  | 2.50   | 2.50   | 2.50  | 2.50   
   | 2.50   | 2.50   | 2.50  |
| Time allowed for passenger unloading (min)  | 3.00   | 3.00   | 3.00  | 3.00   | 3.00  
  | 3.00  | 3.00   | 3.00   | 3.00   | 3.00  
  | 3.00  | 3.00  | 3.00   
   | 3.00  | 3.00   | 3.00   | 3.00   | 3.00  | 3.00   
  | 3.00   | 3.00   | 3.00   | 3.00  | 3.00  
  | 3.00   | 3.00   | 3.00  | 3.00   
   | 3.00   | 3.00   | 3.00  |
| Total Crossing Time   |  | 35.00  | 39.29   | 31.14  | 34.25   
  | 34.94   | 35.00  | 39.29  | 31.14  | 34.25   
  | 34.94   | 46.82   | 51.11  
   | 35.68   | 29.91  | 27.58  | 28.76  | 29.57   | 21.21  
  | 24.32  | 25.32  | 29.61  | 21.25   | 24.36   
  | 29.26  | 33.54  | 18.22   | 16.19  
   | 39.61  | 26.64  | 40.14   |
| Margin for delay en route (% of crossing time)  | 0%   | 0.00   | 0.00  | 0.00   | 0.00  
  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  
  | 0.00  | 0.00  | 0.00   
   | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   
  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  
  | 0.00   | 0.00   | 0.00  | 0.00   
   | 0.00   | 0.00   |   |
| Margin for Delay Crossing Time  | 078  | 35.00  | 39.29   | 31.14  | 34.25   
  | 34.94   | 35.00  | 39.29  | 31.14  | 34.25   
  | 34.94   | 46.82   | 51.11  
   | 35.68   | 29.91  | 27.58  | 28.76  | 29.57   | 21.21  
  | 24.32  | 25.32  | 29.61  | 21.25   | 24.36   
  | 29.26  | 33.54  | 18.22   | 16.19  
   | 39.61  | 26.64  |   |
| Number of Crossings in 4 hr Window  | 210  | 6.00   | 5.35  | 6.74   | 6.13  
  | 6.01  | 6.00   | 5.35   | 6.74   | 6.13  
  | 6.01  | 4.49  | 4.11   
   | 5.89  | 7.02   | 7.61   | 7.30   | 7.10  | 9.90   
  | 8.63   | 8.29   | 7.09   | 9.88  | 8.62  
  | 7.18   | 6.26   | 11.52   | 12.97  
   | 5.30   | 7.88   |   |
|   |  | Kenmore LB-  | Kenmore LB-   | Kenmore LB-  | Kenmore LB-   
  | Kanmara I B   | Kenmore LP -   | Konmoro I P  | Kenmore LP –   | Kenmore LP –  
  | Kenmore LB-   | Renton –  | Renton -   
   | Renton -  | Renton -   | Renton -   | Kirkland (MD)  | Kirkland (MD)   | Kirkland (MD)  
  | Kirkland (MP) -  | Kirkland (CP) -  | Kirkland (CP) –  | Kirkland (CP) -   | Kirkland (CP) -   
  | Bellevue –   | Bellevue –   | Bellevue –  | Bellevue –   
   | Des Moines –   | Ballard Marina   | Ballard (24th)-   |
| BASELINE ESTIMATE   | Base Assumption  | UW WAC   | UW (OD)   | Madison  | Leschi  
  | Bellevue  | UW WAC   | UW (OD)  | Madison  | Leschi  
  | Bellevue  | UW WAC  | UW (OD)  
   | Madison   | Leschi   | Bellevue   | UW WAC   | UW (OD)   | Madison  
  | Leschi   | UW WAC   | UW (OD)  | Madison   | Leschi  
  | UW WAC   | UW (OD)  | Madison   | Leschi   
   | Pier 50  | -Pier 50   | SLU   |
| Total Route length (nautical miles)   |  | 8.65   | 9.15  | 8.20   | 10.30   
  | 10.57   | 8.80   | 9.30   | 8.35   | 10.45   
  | 10.72   | 12.55   | 13.05  
   | 11.10   | 8.46   | 7.32   | 4.15   | 4.65  | 3.60   
  | 5.70   | 3.75   | 4.25   | 3.20  | 5.30  
  | 4.87   | 5.37   | 3.47  | 2.57   
   | 10.35  | 5.80   | 3.40  |
| Route length at max speed<br>Route length at reduced speed  | 0.00   | 7.40   | 7.40  | 7.40   | 9.65<br>0.30  
  | 9.97<br>0.30  | 7.40   | 7.40   | 7.40   | 9.65<br>0.30  
  | 9.97  | 10.95<br>1.50   | 10.95<br>2.00  
   | 10.75<br>0.25   | 8.06<br>0.25   | 6.97<br>0.25   | 3.52   | 3.10<br>1.45  | 3.00   
  | 5.25   | 2.65   | 2.65   | 2.55  | 4.80<br>0.30  
  | 3.52   | 3.52   | 3.37<br>0.00  | 2.42   
   | 9.35<br>1.00   | 5.30<br>0.50   | 2.90  |
| Route length at reduced speed<br>Max Speed (knots)  | 30.00  | 30.00  | 1.45  | 30.00  | 30.00   
  | 30.00   | 30.00  | 1.45   | 30.00  | 30.00   
  | 30.00   | 30.00   | 30.00  
   | 30.00   | 30.00  | 30.00  | 1.25<br>30.00  | 1.45  | 30.00  
  | 30.00  | 30.00  | 1.45   | 30.00   | 30.00   
  | 1.25   | 1.75   | 30.00   | 30.00  
   | 30.00  | 30.00  | 7.00  |
| Reduced Speed (knots)   | 7.00   | 7.00   | 7.00  | 7.00   | 7.00  
  | 7.00  | 7.00   | 7.00   | 7.00   | 7.00  
  | 7.00  | 7.00  | 7.00   
   | 7.00  | 7.00   | 7.00   | 7.00   | 7.00  | 7.00   
  | 7.00   | 7.00   | 7.00   | 7.00  | 7.00  
  | 7.00   | 7.00   | 7.00  | 7.00   
   | 7.00   | 7.00   | 7.00  | | |
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   |   |  |  |  |   |  
  |  |  |  |   |   
  |  |  |   |  
   |  |  |   |
| Time allowed for passenger loading (min<br>Time allowed for maneuvers over first .15 mile (min)   | 4.00   | 4.00   | 4.00  | 4.00   | 4.00  
  | 4.00  | 4.00   | 4.00   | 4.00   | 4.00  
  | 4.00  | 4.00  | 4.00   
   | 4.00  | 4.00   | 4.00   | 4.00   | 4.00  | 4.00   
  | 4.00   | 4.00   | 4.00   | 4.00  | 4.00  
  | 4.00   | 4.00   | 4.00  | 4.00   
   | 4.00   | 4.00   | 4.00  |
| Crossing time at max speed (min)  | 1.50   | 1.50   | 1.50  | 1.50   | 1.50  
  | 1.50  | 1.50   | 1.50   | 1.50   | 1.50  
  | 1.50  | 21.90   | 21.90  
   | 21.50   | 1.00   | 1.00   | 1.00   | 6.20  | 6.00   
  | 1.00   | 5.30   | 5.30   | 5.10  | 2.00  
  | 1.50   | 1.50   | 1.50  | 4.84   
   | 1.50   | 1.50   | 1.50  |
| Crossing time at reduced speed (min)  |  | 8.14   | 12.43   | 4.29   | 2.57  
  | 2.57  | 8.14   | 12.43  | 4.29   | 2.57  
  | 2.57  | 12.86   | 17.14  
   | 2.14  | 2.14   | 2.14   | 10.71  | 12.43   | 4.29   
  | 2.57   | 8.14   | 12.43  | 4.29  | 2.57  
  | 10.71  | 15.00  | 0.00  | 0.00   
   | 8.57   | 4.29   | 4.29  |
| Time allowed for maneuvers over last .15 mile (min)   | 2.50   | 2.50   | 2.50  | 2.50   | 2.50  
  | 2.50  | 2.50   | 2.50   | 2.50   | 2.50  
  | 2.50  | 2.50  | 2.50   
   | 2.50  | 2.50   | 2.50   | 2.50   | 2.50  | 2.50   
  | 2.50   | 2.50   | 2.50   | 2.50  | 2.50  
  | 2.50   | 2.50   | 2.50  | 2.50   
   | 2.50   | 2.50   | 2.50  |
| Time allowed for passenger unloading (min)  | 3.00   | 3.00   | 3.00  | 3.00   | 3.00  
  | 3.00  | 3.00   | 3.00   | 3.00   | 3.00  
  | 3.00  | 3.00  | 3.00   
   | 3.00  | 3.00   | 3.00   | 3.00   | 3.00  | 3.00   
  | 3.00   | 3.00   | 3.00   | 3.00  | 3.00  
  | 3.00   | 3.00   | 3.00  | 3.00   
   | 3.00   | 3.00   | 3.00  |
| Total Crossing Time   |  | 33.94  | 38.23   | 30.09  | 32.87   
  | 33.51   | 33.94  | 38.23  | 30.09  | 32.87   
  | 33.51   | 45.26   | 49.54  
   | 34.14   | 28.76  | 26.58  | 28.25  | 29.13   | 20.79  
  | 23.57  | 24.94  | 29.23  | 20.89   | 23.67   
  | 28.75  | 33.04  | 17.74   | 15.84  
   | 38.27  | 25.89  | 40.14   |
| Margin for delay en route (% of crossing time)  | 0%   | 0.00   | 0.00  | 0.00   | 0.00  
  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  
  | 0.00  | 0.00  | 0.00   
   | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   
  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  
  | 0.00   | 0.00   | 0.00  | 0.00   
   | 0.00   | 0.00   | 0.00  |
| Margin for Delay Crossing Time<br>Number of Crossings in 4 hr Window  | 210  | 33.94  | 38.23<br>5.49   | 30.09<br>6.98  | 32.87<br>6.39   
  | 33.51<br>6.27   | 33.94<br>6.19  | 38.23<br>5.49  | 30.09<br>6.98  | 32.87<br>6.39   
  | 33.51<br>6.27   | 45.26<br>4.64   | 49.54<br>4.24  
   | 34.14<br>6.15   | 28.76<br>7.30  | 26.58<br>7.90  | 28.25<br>7.43  | 29.13<br>7.21   | 20.79<br>10.10   
  | 23.57<br>8.91  | 24.94<br>8.42  | 29.23<br>7.18  | 20.89<br>10.05  | 23.67<br>8.87   
  | 28.75<br>7.30  | 33.04<br>6.36  | 17.74<br>11.84  | 15.84<br>13.26   
   | 38.27<br>5.49  | 25.89<br>8.11  | 40.14<br>5.23   | | |
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   |  |  |   |
|   |  | Kanmara I P  | Konmoral P  | Kanmara I P  | Kanmara I P   
  | Kanmara I P   | Kanmara I B  | Kanmara I B  | Kanmara I B  | Kanmara I B   
  | Konmoro I P   | Ponton  | Bonton   
   | Bonton  | Bonton   | Bonton   | Kiskland (MD)  | Kiskland (MD)   | Kiskland (MD)  
  | Kirkland (MD)  | Kiskland (CD)  | Kiskland (CB)  | Kirkland (CB)   | Kirkland (CB)   
  | Pollouue   | Pollourue  | Pallouua  | Polloviuo  
   | Dec Meines   | Pollard Marina   | Bollord (24th)  |
| MEDIUM ESTIMATE   | Base Assumption  | Kenmore LB-<br>UW WAC  | Kenmore LB-<br>UW (OD)  | Kenmore LB-<br>Madison   | Kenmore LB-<br>Leschi   
  | Kenmore LB-<br>Bellevue   | Kenmore LP –<br>UW WAC   | Kenmore LP –<br>UW (OD)  | Kenmore LP –<br>Madison  | Kenmore LP –<br>Leschi  
  | Kenmore LB-<br>Bellevue   | Renton –<br>UW WAC  | Renton –<br>UW (OD)  
   | Renton –<br>Madison   | Renton –<br>Leschi   | Bellevue   | Kirkland (MP) –<br>UW WAC  | Kirkland (MP) –<br>UW (OD)  | Kirkland (MP) -<br>Madison   
  | Kirkland (MP) –<br>Leschi  | Kirkland (CP) –<br>UW WAC  | Kirkland (CP) –<br>UW (OD)   | Madison   | Kirkland (CP) –<br>Leschi   
  | Bellevue –<br>UW WAC   | Bellevue –<br>UW (OD)  | Bellevue –<br>Madison   | Bellevue –<br>Leschi   
   | Des Moines –<br>Pier 50  | Ballard Marina<br>-Pier 50   | Ballard (24th)–<br>SLU  |
| Route length (nautical miles)   | Base Assumption  | UW WAC<br>8.65   | UW (OD)<br>9.15   | Madison<br>8.20  | Leschi<br>10.30   
  | Bellevue<br>10.57   | UW WAC<br>8.80   | UW (OD)<br>9.30  | Madison<br>8.35  | Leschi<br>10.45   
  | Bellevue<br>10.72   | UW WAC<br>12.55   | UW (OD)<br>13.05   
   | Madison<br>11.10  | Leschi<br>8.46   | Bellevue<br>7.32   | UW WAC<br>4.15   | UW (OD)<br>4.65   | Madison<br>3.60  
  | Leschi<br>5.70   | UW WAC<br>3.75   | UW (OD)<br>4.25  | Madison<br>3.20   | Leschi<br>5.30  
  | UW WAC<br>4.87   | UW (OD)<br>5.37  | Madison<br>3.47   | Leschi<br>2.57   
   | Pier 50<br>10.35   | -Pier 50<br>5.80   | SLU<br>3.40   |
| Route length (nautical miles)<br>Route length at max speed  |  | UW WAC<br>8.65<br>7.40   | UW (OD)<br>9.15<br>7.40   | Madison<br>8.20<br>7.40  | Leschi<br>10.30<br>9.65   
  | Bellevue<br>10.57<br>9.97   | UW WAC<br>8.80<br>7.40   | UW (OD)<br>9.30<br>7.40  | Madison<br>8.35<br>7.40  | Leschi<br>10.45<br>9.65   
  | Bellevue<br>10.72<br>9.97   | UW WAC<br>12.55<br>10.95  | UW (OD)<br>13.05<br>10.95  
   | Madison<br>11.10<br>10.75   | Leschi<br>8.46<br>8.06   | Bellevue<br>7.32<br>6.97   | UW WAC<br>4.15<br>3.52   | UW (OD)<br>4.65<br>3.10   | Madison<br>3.60<br>3.00  
  | Leschi<br>5.70<br>5.25   | UW WAC<br>3.75<br>2.65   | UW (OD)<br>4.25<br>2.65  | Madison<br>3.20<br>2.55   | Leschi<br>5.30<br>4.80  
  | 4.87<br>3.52   | UW (OD)<br>5.37<br>3.52  | Madison<br>3.47<br>3.37   | Leschi<br>2.57<br>2.42   
   | Pier 50<br>10.35<br>9.35   | -Pier 50<br>5.80<br>5.30   | 3.40<br>2.90  |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at reduced speed   | 0.00   | UW WAC<br>8.65<br>7.40<br>0.95   | UW (OD)<br>9.15<br>7.40<br>1.45   | Madison<br>8.20<br>7.40<br>0.50  | Leschi<br>10.30<br>9.65<br>0.30   
  | Bellevue<br>10.57<br>9.97<br>0.30   | UW WAC<br>8.80<br>7.40<br>0.95   | UW (OD)<br>9.30<br>7.40<br>1.45  | Madison<br>8.35<br>7.40<br>0.50  | Leschi<br>10.45<br>9.65<br>0.30   
  | Bellevue<br>10.72<br>9.97<br>0.30   | UW WAC<br>12.55<br>10.95<br>1.50  | UW (OD)<br>13.05<br>10.95<br>2.00  
   | Madison<br>11.10<br>10.75<br>0.25   | Leschi<br>8.46<br>8.06<br>0.25   | Bellevue<br>7.32<br>6.97<br>0.25   | UW WAC<br>4.15<br>3.52<br>1.25   | UW (OD)<br>4.65<br>3.10<br>1.45   | Madison<br>3.60<br>3.00<br>0.50  
  | Leschi<br>5.70<br>5.25<br>0.30   | UW WAC<br>3.75<br>2.65<br>0.95   | UW (OD)<br>4.25<br>2.65<br>1.45  | Madison<br>3.20<br>2.55<br>0.50   | Leschi<br>5.30<br>4.80<br>0.30  
  | UW WAC<br>4.87<br>3.52<br>1.25   | UW (OD)<br>5.37<br>3.52<br>1.75  | Madison<br>3.47<br>3.37<br>0.00   | 2.57<br>2.42<br>0.00   
   | Pier 50 10.35 9.35 1.00  | -Pier 50<br>5.80<br>5.30<br>0.50   | SLU<br>3.40<br>2.90<br>0.50   |
| Route length (nautical miles)<br>Route length at max speed  |  | UW WAC<br>8.65<br>7.40   | UW (OD)<br>9.15<br>7.40   | Madison<br>8.20<br>7.40  | Leschi<br>10.30<br>9.65   
  | Bellevue<br>10.57<br>9.97   | UW WAC<br>8.80<br>7.40   | UW (OD)<br>9.30<br>7.40  | Madison<br>8.35<br>7.40  | Leschi<br>10.45<br>9.65   
  | Bellevue<br>10.72<br>9.97   | UW WAC<br>12.55<br>10.95  | UW (OD)<br>13.05<br>10.95  
   | Madison<br>11.10<br>10.75   | Leschi<br>8.46<br>8.06   | Bellevue<br>7.32<br>6.97   | UW WAC<br>4.15<br>3.52   | UW (OD)<br>4.65<br>3.10   | Madison<br>3.60<br>3.00  
  | Leschi<br>5.70<br>5.25   | UW WAC<br>3.75<br>2.65   | UW (OD)<br>4.25<br>2.65  | Madison<br>3.20<br>2.55   | Leschi<br>5.30<br>4.80  
  | 4.87<br>3.52   | UW (OD)<br>5.37<br>3.52  | Madison<br>3.47<br>3.37   | Leschi<br>2.57<br>2.42   
   | Pier 50<br>10.35<br>9.35   | -Pier 50<br>5.80<br>5.30   | 3.40<br>2.90  |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)   | 0.00<br>35.00<br>7.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00  | 9.15<br>7.40<br>1.45<br>35.00<br>7.00   | Madison           8.20           7.40           0.50           35.00           7.00  | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00  
  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00  | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00   | Madison<br>8.35<br>7.40<br>0.50<br>35.00<br>7.00   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00                                    
  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00   
   | Madison<br>11.10<br>10.75<br>0.25<br>35.00<br>7.00  | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00  | Bellevue           7.32           6.97           0.25           35.00           7.00   | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00  | Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00   
  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00  | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00  | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00   | Madison<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00   
  | 4.87<br>3.52<br>1.25<br>35.00<br>7.00  | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00   | Madison<br>3.47<br>3.37<br>0.00<br>35.00<br>7.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00  
   | Pier 50 10.35 9.35 1.00 35.00 7.00   | -Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00  | 3.40           2.90           0.50           7.00   |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)  | 0.00<br>35.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00  | Madison<br>8.20<br>7.40<br>0.50<br>35.00   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00  
  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00  | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00   | Madison<br>8.35<br>7.40<br>0.50<br>35.00   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00  
  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00   
   | Madison<br>11.10<br>10.75<br>0.25<br>35.00  | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00  | Bellevue<br>7.32<br>6.97<br>0.25<br>35.00  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00  | Madison<br>3.60<br>3.00<br>0.50<br>35.00   
  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00  | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00  | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00   | Madison<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00<br>4.00  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00   
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00  | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00   | Madison<br>3.47<br>3.37<br>0.00<br>35.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00  
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00  | -Pier 50<br>5.80<br>5.30<br>0.50<br>35.00  | SLU<br>3.40<br>2.90<br>0.50<br>7.00   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)  | 0.00<br>35.00<br>7.00<br>4.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00  | Madison           8.20           7.40           0.50           35.00           7.00           4.00   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00  
  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00  | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00   | Madison<br>8.35<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00                            
  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00   
   | Madison           11.10           10.75           0.25           35.00           7.00           4.00  | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00  | Bellevue           7.32           6.97           0.25           35.00           7.00           4.00  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00  | Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00   
  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00  | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00  | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00   | Madison<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00   
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00  | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00   | Madison<br>3.47<br>3.37<br>0.00<br>35.00<br>7.00<br>4.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00  
   | Pier 50 10.35 9.35 1.00 35.00 7.00 4.00  | Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00   | SLU<br>3.40<br>2.90<br>0.50<br>7.00<br>7.00<br>4.00   |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first .15 mile (min)<br>Crossing time at max speed (min)   | 0.00<br>35.00<br>7.00<br>4.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43  | Madison<br>8.20<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>4.29  | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57   
  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57   | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14   | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43   | Madison<br>8.35<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>4.29  | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57   
  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>17.09<br>2.57   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>17.14   
   | Madison<br>11.10<br>10.75<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>18.43<br>2.14   | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>13.82<br>2.14   | Bellevue<br>7.32<br>6.97<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>11.95<br>2.14   | UW WAC<br>4.15<br>3.52<br>3.5.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43   | Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29                                     
  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57  | UW WÀC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>8.14  | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>12.43  | Madison<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00<br>4.00<br>2.00<br>4.37<br>4.29  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57   
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00  | Madison<br>3.47<br>3.37<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>5.78<br>0.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00  
   | Pier 50 10.35 9.35 1.00 35.00 7.00 4.00 1.50 16.03 8.57  | -Pier 50<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29  | <b>SLU</b><br>3.40<br>2.90<br>0.50<br>7.00<br>7.00<br>4.00<br>1.50<br>24.86<br>4.29   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)  | 0.00<br>35.00<br>7.00<br>4.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50  | Madison<br>8.20<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>4.29<br>2.50  | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50   
  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.7.09<br>2.57<br>2.50  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50   | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50   | Madison<br>8.35<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>4.29<br>2.50  |
Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.7.09<br>2.57<br>2.50  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>17.14<br>2.50  
  | Madison<br>11.10<br>10.75<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.8.43<br>2.14<br>2.50  | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.82<br>2.14<br>2.50  | Bellevue<br>7.32<br>6.97<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.1.95<br>2.14<br>2.50  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.50   | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50   |
Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00  | UW WÀC<br>3.75<br>2.65<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>8.14<br>2.50  | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50  | Madison<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00<br>4.00<br>2.00<br>4.37<br>4.29<br>2.50  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50   
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50  | Madison<br>3.47<br>3.37<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>5.78<br>0.00<br>2.50  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50  
   | Pier 50 10.35 9.35 1.00 35.00 7.00 4.00 1.50 16.03   | Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50   | <b>SLU</b><br>3.40<br>2.90<br>0.50<br>7.00<br>7.00<br>4.00<br>1.50<br>24.86<br>4.29<br>2.50   |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at max speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first .15 mile (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over last .15 mile (min)<br>Time allowed for passenger unloading (min)  | 0.00<br>35.00<br>7.00<br>4.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00  | Madison<br>8.20<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>4.29<br>2.50<br>3.00  | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00   
  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00   | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00   | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00   | Madison<br>8.35<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>4.29<br>2.50<br>3.00  |
Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>17.14<br>2.50<br>3.00  
  | Madison<br>11.10<br>10.75<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>18.43<br>2.14<br>2.50<br>3.00   | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>13.82<br>2.14<br>2.50<br>3.00   | Bellevue           7.32           6.97           0.25           35.00           7.00           4.00           1.00           11.95           2.14           2.50           3.00  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00   | UW (ÒD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00   |
Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50<br>3.00  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00  | UW WÀC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>8.14<br>2.50<br>3.00  | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>12.43<br>2.50<br>3.00  | Madison<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00<br>4.00<br>4.37<br>4.29<br>2.50<br>3.00  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>8.23<br>2.57<br>2.50<br>3.00   
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.00  | Madison<br>3.47<br>3.37<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>5.78<br>0.00<br>2.50<br>3.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00  
   | Pier 50 10.35 9.35 1.00 35.00 7.00 4.00 1.50 16.03 8.57 2.50 3.00  | -Pier 50<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00  | SLU         3.40           3.90         2.90           0.50         7.00           7.00         7.00           4.00         1.50           24.86         4.29           2.50         3.00   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Crossing time at max speed (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Time allowed for passenger unloading (min)<br>Total Crossing Time   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11   | Madison           8.20           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11  
  | Bellevue           10.57           9.97           0.30           35.00           7.00           4.00           1.50           17.09           2.57           2.50           3.00           30.66  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83  | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11  | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97   |
Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11   | Bellevue           10.72           9.97           0.30           35.00           7.00           4.00           1.50           17.09           2.57           2.50           3.00           30.66  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13  | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>18.77<br>17.14<br>2.50<br>3.00<br>46.41   
  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           18.43           2.14           2.50           3.00           31.07   | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.382<br>2.14<br>2.50<br>3.00<br>26.46  | Bellevue           7.32           6.97           0.25           35.00           7.00           4.00           1.00           11.95           2.14           2.50           3.00           24.59  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00<br>28.24  |
Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50<br>3.00<br>19.93   | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.54<br>8.14<br>2.50<br>3.00<br>24.19   | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47   | Madison           3.20           2.55           0.50           35.00           7.00           4.00           2.00           4.37           4.29           2.50           3.00           20.16   | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30  
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75  | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.00<br>32.03   | Madison           3.47           3.37           0.00           35.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15   
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>16.03<br>8.57<br>2.50<br>3.00<br>35.60  | -Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37   | SLU   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneurors over first. 15 mille (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneurors over last. 15 mille (min)<br>Time allowed for maneurors over   | 0.00<br>35.00<br>7.00<br>4.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00   | Madison<br>8.20<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>12.69<br>4.29<br>2.50<br>3.00<br>27.97<br>0.00   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00   | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>0.00   
  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00  | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00  | Madison<br>8.35<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>4.29<br>2.50<br>3.00<br>27.97<br>0.00   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00  
  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>0.00  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>1.8.77<br>12.86<br>2.50<br>3.00<br>42.13<br>0.00   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>17.14<br>2.50<br>3.00<br>46.41<br>0.00  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           18.43           2.14           2.50           300           31.07           0.00   | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.82<br>2.14<br>2.50<br>3.00<br>26.46<br>0.00  
  | Bellevue<br>7.32<br>6.97<br>0.25<br>35.00<br>7.00<br>4.00<br>10.00<br>11.95<br>2.14<br>2.50<br>3.00<br>24.59<br>0.00   | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00<br>28.24<br>0.00  | Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50<br>3.00<br>19.93<br>0.00   | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00   
   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>8.14<br>2.50<br>3.00<br>24.19<br>0.00   | UW (OD)<br>4,25<br>2,65<br>1,45<br>35,00<br>7,00<br>4,00<br>2,00<br>4,54<br>12,43<br>2,50<br>3,00<br>28,47<br>0,00   | Madison /<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.37<br>4.29<br>2.50<br>3.00<br>20.16<br>0.00   | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00  
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75<br>0.00  | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.00<br>32.03<br>0.00   | Madison           3.47           3.37           0.00           35.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78           0.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>0.00   
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>16.03<br>8.57<br>2.50<br>3.00<br>35.60<br>0.00  | -Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>0.00   | SLU         .           3.40         2.90           0.50         7.00           7.00         .           4.00         1.50           24.86         4.29           2.50         .           3.00         40.14           0.00         .  |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Crossing time at max speed (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Time allowed for passenger unloading (min)<br>Total Crossing Time   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11   | Madison           8.20           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11  
  | Bellevue           10.57           9.97           0.30           35.00           7.00           4.00           1.50           17.09           2.57           2.50           3.00           30.66  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83  | UW (OD)<br>9:30<br>7:40<br>1.45<br>35:00<br>7:00<br>4:00<br>1.50<br>12:69<br>12:43<br>2:50<br>3:00<br>36:11  | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97   |
Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11   | Bellevue           10.72           9.97           0.30           35.00           7.00           4.00           1.50           17.09           2.57           2.50           3.00           30.66  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13  | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>18.77<br>17.14<br>2.50<br>3.00<br>46.41   
  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           18.43           2.14           2.50           3.00           31.07   | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.382<br>2.14<br>2.50<br>3.00<br>26.46  | Bellevue           7.32           6.97           0.25           35.00           7.00           4.00           1.00           11.95           2.14           2.50           3.00           24.59  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00<br>28.24  |
Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50<br>3.00<br>19.93   | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.54<br>8.14<br>2.50<br>3.00<br>24.19   | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47   | Madison           3.20           2.55           0.50           35.00           7.00           4.00           2.00           4.37           4.29           2.50           3.00           20.16   | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30  
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75  | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.00<br>32.03   | Madison           3.47           3.37           0.00           35.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15   
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>16.03<br>8.57<br>2.50<br>3.00<br>35.60  | -Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37   | SLU   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneuvers over last. 15 mille (min)<br>Time allowed for passenger unloading (min)<br>Margin for delay en route (% of crossing time)<br>Margin for delay Crossing Time   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>33.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00<br><b>31.83</b>  | UW (OD)<br>9.15<br>7.40<br>35.00<br>7.00<br>4.00<br>1.2.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br><b>36.11</b>  | Madison           8.20           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97  | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00<br><b>30.11</b>  
  | Bellevue 10.57 9.97 0.30 35.00 7.00 4.00 1.50 17.09 2.57 2.50 3.00 30.66 0.00 30.66   | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00<br><b>31.83</b>  | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br><b>36.11</b>  | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           2.97   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00<br><b>30.11</b>  
  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>0.00<br>30.66   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>0.00<br>42.13   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>17.14<br>2.50<br>3.00<br>46.41<br>0.00<br>46.41   
   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           10.00           18.43           2.14           2.50           3.00           31.07           0.00           31.07  | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.382<br>2.14<br>2.50<br>3.00<br>26.46<br>0.00<br>26.46   | Bellevue<br>7.32<br>6.97<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.1.95<br>2.14<br>2.50<br>3.00<br>24.59<br>0.00<br>24.59  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25   | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00<br>28.24<br>0.00<br>28.24   | Madison<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50<br>3.00<br>19.93<br>0.00<br>19.93   
  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07  | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>8.14<br>2.50<br>3.00<br>24.19<br>0.00<br>24.19  | UW (OD)<br>4.25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>0.00<br>28.47  | Madison<br>3.20<br>2.55<br>0.50<br>35.00<br>7.00<br>4.00<br>2.00<br>4.29<br>2.50<br>3.00<br>20.16<br>0.00<br>20.16  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00<br><b>22.30</b>  
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75<br>0.00<br>27.75   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.00<br>32.03<br>0.00<br>32.03  | Madison           3.47           3.37           0.00           35.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78           0.00           16.78  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>0.00<br>15.15  
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>16.03<br>16.03<br>8.57<br>2.50<br>3.00<br>35.60<br>0.00<br><b>35.60</b>   | -Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>0.00<br>24.37  | st.0         3.40           3.40         2.90           2.90         0.50           7.00         7.00           4.00         1.50           24.86         4.29           2.50         3.00           40.14         0.00           40.14   |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneuvers over last. 15 mille (min)<br>Time allowed for maneuvers over last. 15 mille (min)<br>Time allowed for maneuvers over last. 15 mille (min)<br>Total Crossing Time<br>Margin for delay en route (% of crossing time)<br>Margin for delay en route (% of crossing Time<br>Number of Crossing Time   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210   | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LB-  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81<br>5.81  | Madison           8.20           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore LB-  
  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>6.85<br>Kenmore LB-   | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LP –   | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LP –   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kenmore LP –  |
Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore LP –  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>1.8.77<br>12.86<br>2.50<br>3.00<br>42.13<br>0.00<br>42.13<br>4.98<br>Renton -  | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>18.77<br>17.14<br>2.50<br>3.00<br>46.41<br>0.00<br>46.41<br>4.52<br>Renton –  
  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           18.43           2.14           2.50           31.07           0.00           31.07           6.76  | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>1.3.82<br>2.14<br>2.50<br>3.00<br>26.46<br>7.94<br>Renton –   | Bellevue<br>7.32<br>6.97<br>0.25<br>35.00<br>7.00<br>4.00<br>11.95<br>2.14<br>2.50<br>3.00<br>24.59<br>0.00<br>24.59<br>8.54<br>Renton –   | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25<br>7.71<br>Kirkland (MP) –  | UW (OD)<br>4,65<br>3,10<br>1,45<br>35,00<br>7,00<br>4,00<br>1,00<br>5,31<br>1,2,43<br>2,50<br>3,00<br>28,24<br>0,00<br>28,24<br>7,44<br>Kirkland (MP) –   | Madison
/<br>3.60<br>3.00<br>0.50<br>35.00<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50<br>3.00<br>19.93<br>0.00<br>19.93<br>10.54<br>Kirkland (MP) -  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>Kirkland (MP) –   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>8.14<br>8.14<br>2.50<br>3.00<br>24.19<br>0.00<br>24.19<br>8.68<br>Kirkland (CP) -   | UW (OD)<br>4 25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>0.00<br>28.47<br>7.38<br>Kirkland (CP) –   | Madison           3.20           3.55           0.50           35.00           7.00           4.00           2.00           4.37           4.29           2.50           3.00           20.16           0.00           20.16           0.00           20.16           M.00           20.16           0.00           20.16           0.00           20.16           0.00           20.16           0.00           20.16           0.00           20.16           0.00           20.16           0.00 | Lesschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.55<br>3.00<br>22.30<br>0.00<br>22.30<br>0.00<br>22.30<br>9.42<br>Kirkland (CP) –  
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75<br>0.00<br>27.75<br>7.57<br>Bellevue –   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.00<br>32.03<br>6.56<br>Bellevue –   | Madison           3.47           3.37           0.00           35.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78           0.00           16.78           12.52           Bellevue –   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>0.00<br>15.15<br>13.86<br>Bellevue –   
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>16.03<br>8.57<br>2.50<br>3.00<br>35.60<br>0.00<br><b>35.60</b><br>5.90<br><b>Des Moines -</b>   | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>2.4.37<br>8.62<br>Ballard Marina   | st.U         -           3.40         -           3.40         -           2.90         -           0.50         -           7.00         -           7.00         -           4.00         1.50           24.86         -           4.29         -           3.00         -           40.14         -           0.00         -           40.14         -           5.23         -           Ballard (24th)-         -  |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Crossing time at max speed (min)<br>Crossing time at nex speed (min)<br>Crossing time at nex speed (min)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Time allowed fo  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00<br><b>31.83</b><br>0.00<br><b>31.83</b>  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81   | Madison<br>8.20<br>7.40<br>0.50<br>35.00<br>7.00<br>4.00<br>1.2.69<br>4.29<br>2.50<br>3.00<br>27.97<br>0.00<br>27.97<br>7.51   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97  | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>0.00<br>30.66<br>6.85  
  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br><b>31.83</b><br>6.60  | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         1.50           12.69         12.43           2.50         3.00           36.11         0.00           36.11         5.81  | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>16.54<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00<br><b>30.11</b><br>6.97  
  | Bellevue<br>110.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>0.00<br>30.66<br>6.85  | UW WAC<br>12:55<br>10:95<br>1:50<br>35:00<br>7:00<br>4:00<br>1:00<br>18:77<br>12:86<br>2:50<br>3:00<br>42:13<br>0:00<br>42:13<br>4:98   | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>17.14<br>2.50<br>3.00<br>46.41<br>0.00<br>46.41<br>4.52   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           18.43           2.14           2.50           300           31.07           0.00           31.07           6.76  | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>4.00<br>13.82<br>2.14<br>2.50<br>3.00<br>26.46<br>0.00<br><b>26.46</b><br>7.94   
  | Bellevue<br>7.32<br>6.97<br>0.25<br>35.00<br>7.00<br>4.00<br>11.95<br>2.14<br>2.50<br>3.00<br>24.59<br>0.00<br>24.59<br>8.54   | UW WAC<br>4.15<br>3.52<br>1.25<br>3.5.00<br>7.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25<br>7.71  | UW (OD)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00<br>28.24<br>0.00<br>28.24<br>7.44   | Madison<br>3.60<br>3.00<br>0.50<br>3.500<br>7.00<br>4.00<br>1.00<br>5.14<br>4.29<br>2.50<br>3.00<br>19.93<br>0.00<br>19.93<br>10.54   | Leschi<br>5,70<br>5,25<br>0,30<br>35,00<br>7,00<br>4,00<br>9,00<br>2,57<br>2,50<br>3,00<br>22,07<br>0,00<br>22,07<br>9,51  
   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>8.14<br>2.50<br>3.00<br>24.19<br>0.00<br>24.19<br>8.68  | UW (OD)<br>4 25<br>2 65<br>1 45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>0.00<br>28.47<br>7.38  | Madison           3.20           2.55           0.50           35.00           7.00           4.00           2.00           4.37           4.29           2.50           3.00           20.16           0.00           20.16           10.42  | Leschi<br>5.30<br>4.80<br>0.30<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00<br>22.30<br>9.42   
  | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75<br>0.00<br>27.75<br>7.57   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>32.03<br>0.00<br>32.03<br>6.55  | Madison<br>3.47<br>3.37<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>5.78<br>0.00<br>2.50<br>3.00<br>16.78<br>0.00<br>16.78<br>12.52   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86  
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>16.03<br>8.57<br>2.50<br>3.00<br>33.60<br>0.00<br><b>35.60</b><br><b>5.90</b>   | Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>0.00<br>24.37<br>8.62   | SLU         3.40           3.40         2.90           0.50         7.00           7.00         7.00           1.50         24.86           4.29         2.50           3.00         40.14           0.00         40.14           5.23         5.23   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneuvers over first. 15 mile (min)<br><b>Kargin for Delay Crossing Time</b><br>Number of Crossing time<br><b>FAST ESTIMATE</b><br>Route length (nautical miles)<br>Route length at max speed   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption                                  | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40  | Madison           8.20           7.40           0.50           35.00           7.00           4.00           1.50           1.52           2.50           3.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           7.40   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>7.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>3.01<br>0.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore
LB-<br>Leschi<br>10.30<br>9.65<br>9.65<br>10.30<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>3.00<br>3.01<br>0.30<br>3.01<br>0.30<br>3.01<br>0.30<br>3.01<br>0.30<br>1.50<br>3.00<br>3.01<br>0.30<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1 | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>0.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97   | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>6.60<br>Kenmore LP -<br>UW WAC<br>8.80<br>7.40<br>7.40  | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>5.81<br>Kenmore LP -<br>UW (OD)<br>9.30<br>7.40   
   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kenmore LP - Madison           8.35           7.40  | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.53<br>2.57<br>2.50<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>1.045<br>9.65  | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>0.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.72<br>9.97   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.98<br>Renton -<br>UW WAC<br>12.55<br>10.95  | UW
(OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>4.641<br>0.00<br>46.41<br>0.00<br>46.41<br>0.00<br>46.41<br>0.00<br>46.41<br>0.00<br>13.05<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.95<br>10.9   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           18.43           2.14           2.50           31.07           0.00           31.07           6.76           Renton -           Madison           11.10           10.75   | Leschi<br>8.46<br>8.05<br>0.25<br>35.00<br>7.00<br>1.00<br>1.382<br>2.14<br>2.50<br>3.00<br>26.46<br>0.00<br>26.46<br>7.94<br>Renton –<br>Leschi<br>8.86   | Bellewue           7.32           6.97           0.25           35.00           7.00           4.00           1.00           1.195           2.14           2.50           3.00           2.4.59           0.00           24.59           0.00           24.59           0.00           24.59           0.00           24.59           0.00           24.59           0.00           24.59           0.73           2.57   | UW WAC<br>4.15<br>3.52<br>1.25<br>3.5.00<br>7.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>7.71<br>Kirkland (MP) -<br>UW WAC<br>4.15<br>3.52  | UW (c0)<br>4,65<br>3,10<br>1,45<br>35,00<br>7,00<br>4,00<br>7,00<br>4,00<br>7,00<br>7,00<br>4,00<br>7,00<br>4,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>4,65<br>3,10<br>4,65<br>3,10   
   | Madison<br>3 60<br>3 60<br>0 50<br>3 500<br>3 500<br>7 00<br>4 00<br>5 14<br>4 29<br>2 50<br>3 .00<br>19.93<br>0.00<br>19.93<br>10.54<br>Kirkland (MP) -<br>Kirkland (MP) -<br>3 .60<br>3 .60<br>3 .00  | Leschi<br>5,70<br>5,25<br>0,30<br>7,00<br>4,00<br>1,00<br>9,00<br>2,57<br>2,50<br>3,00<br>22,07<br>9,51<br>Kirkland (MP) -<br>Leschi<br>5,70<br>5,72   | UW WAC<br>3.75<br>0.95<br>0.95<br>35.00<br>7.00<br>4.00<br>4.54<br>8.54<br>8.54<br>8.54<br>24.19<br>0.00<br>24.19<br>0.00<br>24.19<br>0.00<br>24.19<br>0.00<br>24.19<br>0.00<br>24.19<br>0.00<br>24.3<br>75<br>2.65  | UW (OD)<br>4 25<br>2 65<br>1 45<br>3 5.00<br>7.00<br>4.00<br>4.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>7.38<br>Kirkland (CP) –<br>UW (OD)<br>4.25<br>2.65   
  | Madison           3.20           3.55           0.50           35.00           7.00           4.00           2.00           4.37           4.29           2.50           3.00           20.16           0.00           20.16           10.42           Kirkland (CP) - Madison           3.20           2.55  | Leschi<br>5.30<br>5.30<br>0.30<br>0.30<br>0.30<br>7.00<br>4.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00<br>22.30<br>0.00<br>22.30<br>4.20<br>Kirkland (CP) -<br>Leschi<br>5.30<br>4.80<br>5.30<br>4.80<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30       | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>32.03<br>0.00<br>32.03<br>6.56<br>Bellevue –<br>UW (OD)<br>5.37<br>3.52   
   | Madison           3.47           3.47           3.70           0.00           35.00           7.00           4.00           1.50           5.78           0.00           16.78           0.00           16.78           0.00           16.78           12.52           Believue -           Madison           3.47           3.37   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42  | Pier 50<br>10.35<br>9.35<br>10.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.00<br>35.60<br>1.03<br>35.90<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>35.60<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1.03<br>1               | Pier 50<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>Pier 50<br>5.80<br>5.30   | stub         stub           3.40         3.40           2.90         0.50           0.50         7.00           7.00         7.00           7.00         1.50           2.86         4.29           2.50         3.00           40.14         0.00           40.14         5.23           Ballard (24th)-         SLU           3.40         2.90   |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Time allowed for passenger unloading (min)<br>Total Crossing Time<br>Margin for delay en route (% of crossing time)<br>Margin tor delay en route (% of crossing time)<br>Margin tor delay en route (% of crossing time)<br>Margin tor telay to the top  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>0.00                          | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45   | Madison           8.20           7.40           0.50           35.00           7.00           4.00           1.50           1.26.90           4.29           2.50           3.00           27.97           7.51           Kenmore LB-Madison           8.20           7.40           0.50  | Lesch<br>10.30<br>9.65<br>0.30<br>15.00<br>7.00<br>4.00<br>1.50<br>1.55<br>2.57<br>2.57<br>2.57<br>3.00<br>30.11<br>6.97<br>Kenmore
LB-<br>Lesch<br>10.30<br>9.65<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.55<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.30<br>0.35<br>0.30<br>0.35<br>0.30<br>0.30<br>0.35<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.11<br>0.39<br>0.55<br>0.30<br>0.55<br>0.30<br>0.11<br>0.39<br>0.55<br>0.30<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55  | Bellevue<br>10.57<br>9.97<br>0.30<br>25.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.51<br>3.00<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>0.95  | UW (OD)<br>9:30<br>7:40<br>1:45<br>35:00<br>7:00<br>4:00<br>1:50<br>12:69<br>12:69<br>12:43<br>2:50<br>3:00<br>3:6:11<br>5:81<br>Kenmore LP –<br>UW
(OD)<br>9:30<br>7:40<br>1:45<br>9:30<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45<br>1:45 | Madison           8.35           7.40           0.50           25.00           7.00           4.00           1.50           4.29           2.50           2.29           3.00           27.97           7.51           Kenmore LP - Madison           8.35           7.40           0.50   | Leschi<br>10.45<br>9.65<br>0.30<br>0.30<br>7.00<br>4.00<br>1.5.0<br>1.5.0<br>1.5.57<br>2.5.0<br>3.0.1<br>0.00<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30  | Bellevue<br>10.72<br>9.97<br>0.30<br>25.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.57<br>3.00<br>30.66<br>6.85<br>Kenmore LB-<br>Bellevue<br>10.72<br>9.97<br>0.30  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.98<br>Renton -<br>UW WAC<br>12.55<br>10.95<br>1.50  
   | UW (OD)<br>13.05<br>10.95<br>2.00<br>4.00<br>1.00<br>1.8.77<br>17.14<br>2.50<br>3.00<br>46.41<br>4.52<br>Renton –<br>UW (OD)<br>13.05<br>10.95<br>2.00   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           3.00           31.07           6.76           Renton -           Madison           11.10           10.75           0.25   | Leschi<br>8.46<br>8.06<br>0.25<br>35.00<br>7.00<br>1.00<br>1.3.82<br>2.14<br>2.50<br>3.00<br>26.46<br>7.34<br>Renton –<br>Leschi<br>8.46<br>8.66<br>0.25<br>1.45<br>26.46<br>0.45<br>1.45<br>26.46<br>7.94   | Bellevue           7.32           6.97           0.25           35.00           7.20           4.00           1.00           1.195           2.14           2.50           3.00           2.459           8.54           Renton -           Bellevue           7.32           6.97           0.25  | UW WACC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25<br>7.71<br>Kirkland (MP) –<br>UW
WAC<br>4.15<br>3.52<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25 | UW (cb)<br>4.65<br>3.10<br>1.45<br>5.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00<br>28.24<br>7.44<br>Kirkland (MP)-<br>UW (OD)<br>4.65<br>3.10<br>28.24<br>7.44   | Madison         3.60           3.60         0.50           0.50         25.00           7.00         4.00           1.00         5.14           4.29         2.50           3.00         19.93           10.54         19.93           Kirkland (MP)-<br>Madison         3.60           3.00         0.50   | Leschi<br>5.70<br>5.25<br>0.30<br>25.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.50<br>2.50<br>2.50<br>2.50<br>2.207<br>9.51<br>Kirkland (MP) –<br>Leschi<br>5.70<br>5.75<br>0.30  | UW WAC<br>3.75<br>0.95<br>0.95<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.68<br>Kirkland (CP)-<br>UW
WAC<br>3.75<br>2.65<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.9 | UW (OD)<br>4 25<br>2 65<br>1 45<br>3 5.00<br>7.00<br>4 00<br>2 200<br>4 454<br>1 2.43<br>2 2.50<br>3 00<br>2 8.47<br>7.38<br>Kirkland (CP) –<br>UW (OD)<br>4 25<br>2.65<br>1.45  | Madison           3.20           3.55           0.55           35.00           7.00           4.00           2.00           4.37           4.29           2.51           3.00           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           0.50  | Leschi<br>5-30<br>5-30<br>4-80<br>0-36<br>0-30<br>0-30<br>0-30<br>8-23<br>2-57<br>2-550<br>2-257<br>2-550<br>2-257<br>2-250<br>3-00<br>2-22-30<br>9-42<br>Kirkland (CP) -<br>Leschi<br>5-50<br>4-80<br>9-42  | UW WAC<br>487<br>3.52<br>1.25<br>3.500<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>2.7.75<br>7.57<br>Bellevue –<br>UW WAC<br>4.87<br>3.52<br>1.25  
  | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.2.03<br>32.03<br>0.00<br>32.03<br>6.56<br>Bellevue –<br>UW (OD)<br>5.37<br>3.52<br>1.75   | Madison           3.47           3.47           3.47           3.47           3.47           0.00           55.00           7.00           4.00           1.50           5.78           0.00           3.00           3.00           3.00           16.78           12.52           Bellevue – Madison           3.47           3.47           3.47           0.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00  | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>3.57<br>2.57<br>2.50<br>3.00<br>3.5.60<br>5.90<br>Des Moines -<br>Pier
50<br>10.35<br>9.35<br>1.00<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.55<br>1.05<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55  | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>2.4.37<br>8.62<br>Baliard Marina<br>Pier 50<br>5.80<br>5.30<br>0.50  | st.U         -           3.40         -           3.40         -           2.90         -           0.50         -           7.00         -           4.00         1.50           24.86         -           4.29         -           2.50         -           3.00         -           40.14         -           0.00         -           40.14         -           5.23         -           Ballard (24th)-         -           S.40         -           0.50         -  |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Total Crossing Time<br>Margin for delay en route (% of crossing time)<br>Margin for Delay Crossing Time<br>Number of Crossings in 4 hr Window<br><u>PAST ESTIMATE</u><br>Route length at max speed<br>Route length at Route speed<br>R | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>0.00<br>38.00                 | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>33.00<br>7.00<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00      | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00   | Madison           8.20           7.40           0.50           35.00           35.00           7.00           4.00           1.50           1.50           2.50           3.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           3.00           3.00           3.00   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.55<br>1.57<br>2.57<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore LB-<br>Leschi<br>10.30<br>9.65<br>0.30<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>30.01<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>30.01<br>38.00<br>38.00<br>38.00<br>30.01<br>38.00<br>38.00<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.01<br>30.00<br>38.00<br>38.00<br>38.00<br>38.00<br>30.01<br>38.00<br>38.00<br>38.00<br>30.01<br>38.00<br>38.00<br>38.00<br>30.01<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>30.01<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>39.00<br>30.00<br>39.00<br>30.00<br>38.00<br>38.00<br>39.00<br>30.00<br>30.00<br>38.00<br>38.00<br>39.00<br>30.00<br>30.00<br>38.00<br>38.00<br>39.00<br>39.00<br>30.00<br>30.00<br>38.00<br>38.00<br>39.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>3   | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00  
  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>0.95<br>31.83<br>0.00<br>7.40<br>0.05<br>1.83<br>0.00<br>7.40<br>0.00<br>7.40<br>0.00<br>7.40<br>0.00<br>7.40<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7.50<br>7 | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LP -<br>UW (OD)<br>9.30<br>7.40<br>1.45<br>38.00   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kenmore LP - Madison           8.35           7.40           0.50           38.00   |
Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>3.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.45<br>9.65<br>0.30<br>30.01<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.10<br>30.11<br>0.00<br>30.11<br>0.00<br>30.10<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30   | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-<br>Bellevue<br>10.72<br>9.97<br>0.30<br>38.00   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.28<br>42.13<br>4.98<br>Renton –<br>UW WAC<br>12.55<br>10.95<br>1.50<br>38.00  | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>4.01<br>4.52<br>Renton –<br>UW (OD)<br>13.05<br>10.95<br>2.00<br>38.00<br>38.00  
  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           31.07           6.76           Renton - Madison           11.10           10.75           0.25           38.00  | Leschi<br>8.46<br>8.46<br>0.25<br>35.00<br>7.00<br>1.00<br>1.00<br>1.382<br>2.14<br>2.50<br>3.00<br>26.46<br>0.00<br>26.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>8.46<br>0.25<br>38.00<br>38.00<br>2.50<br>38.00<br>2.54<br>8.46<br>0.25<br>38.00<br>2.54<br>38.00<br>2.54<br>38.00<br>2.54<br>38.00<br>2.54<br>38.00<br>2.54<br>38.00<br>2.54<br>38.00<br>2.54<br>38.00<br>2.54<br>38.00<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>2.54<br>3.50<br>3.50<br>2.54<br>3.50<br>3.50<br>2.54<br>3.50<br>3.50<br>2.54<br>3.50<br>3.50<br>3.50<br>2.54<br>3.50<br>3.50<br>3.50<br>2.54<br>3.50<br>3.50<br>3.50<br>3.50<br>2.54<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50     | Bellewue           7.32           6.97           0.25           35.00           35.00           7.00           4.00           1.00           1.195           2.14           2.50           3.00           24.59           0.00           24.59           0.00           24.59           6.97           8.54           Renton -           Bellevue           7.32           6.97           0.25   | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>7.71<br>Kirkland (MP) -<br>UW WAC<br>4.15<br>3.52<br>1.25<br>38.00  | UW (cb)<br>4,65<br>3,10<br>1,45<br>35,00<br>7,00<br>4,00<br>1,00<br>5,31<br>1,2,43<br>3,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>28,24<br>0,00<br>1,45<br>3,10<br>1,45<br>3,10<br>1,45<br>3,10<br>1,45<br>3,10<br>1,45<br>3,10<br>1,45<br>3,10<br>1,45<br>3,10<br>1,44<br>3,10<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,44<br>1,45<br>3,30<br>0,145<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45<br>1,45 | Madison         3.60          
3.60         3.50           3.500         35.00           3.500         7.00           4.00         5.14           1.00         5.14           5.250         3.00           9.93         10.54           Kirkland (MP) - Madison         3.60           3.00         3.00           3.60         3.00           3.800         38.00  | Leschi<br>5.70<br>5.70<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>Kirkland (MP) -<br>Leschi<br>5.70<br>5.25<br>0.30<br>0.03<br>0.30<br>0.30<br>0.03<br>0.30<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>8.14<br>2.50<br>3.00<br>24.19<br>0.00<br>24.19<br>0.00<br>24.19<br>0.00<br>24.19<br>0.00<br>24.9<br>8.68<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>2.65<br>38.00<br>38.00<br>3.75<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>38.00<br>39.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.   | UW (OD)<br>4 25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>0.00<br>28.47<br>7.38<br>Kirkland (CP) -<br>UW (OD)<br>4.25<br>2.65<br>1.45<br>38.00   | Madison           3.20           3.50           2.55           0.50           35.00           7.00           4.00           2.01           2.016           10.42           Kirkland (CP) –<br>Madison           3.20           2.55           0.50           3.20           2.55           0.50           38.00   | Leschi<br>5.30<br>5.30<br>35.00<br>35.00<br>35.00<br>7.00<br>4.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00<br>22.30<br>9.42<br>Kirkland (CP)
-<br>Leschi<br>5.30<br>4.80<br>38.00<br>38.00<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>5.     | UW WAC<br>4.87<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.75<br>0.00<br>27.50<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>2.35<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25<br>0.2   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>32.03<br>0.00<br>32.03<br>6.56<br>Bellevue –<br>UW (OD)<br>5.37<br>3.52<br>1.75<br>38.00  | Madison           3.47           3.47           3.00           0.00           35.00           7.00           4.00           1.50           5.78           0.00           16.78           0.00           16.78           0.00           16.78           0.00           16.78           3.00           3.47           3.37           0.00           38.00   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Believue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>38.00   
   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.00<br>35.00<br>35.00<br>35.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50   | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>0.00<br>24.37<br>8.62<br>Ballard Marina<br>Pier 50<br>5.80<br>5.30<br>0.50<br>38.00   | st.U         -           3.40         -           3.40         -           0.50         -           7.00         -           7.00         -           4.00         -           1.50         -           4.86         -           4.29         -           3.00         -           40.14         -           0.00         -           40.14         -           5.23         -           Ballard (24th)-         -           SLU         -           0.50         -           0.50         -  |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for passenger unbading (min)<br>Time allowed for passenger unbading (min)<br>Total Crossing Time<br>Margin for delay en route (% of crossing time)<br>Margin for delay en route (% of crossing time)  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>0.00                          | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45  | Madison           8.20           7.40           0.50           35.00           7.00           4.00           1.50           1.26.90           2.200           3.00           2.7.97           7.51           Kenmore LB-Madison           8.20           7.40           0.50   | Lesch<br>10.30<br>9.65<br>0.30<br>15.00<br>7.00<br>4.00<br>1.50<br>1.55<br>2.57<br>2.57<br>2.57<br>3.00<br>30.11<br>6.97<br>Kenmore
LB-<br>Lesch<br>10.30<br>9.65<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.55<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.35<br>0.30<br>0.35<br>0.30<br>0.30<br>0.35<br>0.30<br>0.30<br>0.35<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.11<br>0.39<br>0.55<br>0.30<br>0.55<br>0.30<br>0.11<br>0.39<br>0.55<br>0.30<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55  | Bellevue<br>10.57<br>9.97<br>0.30<br>25.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.51<br>3.00<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>0.95  | UW (OD)<br>9:30<br>7:40<br>1:45<br>35:00<br>7:00<br>4:00<br>1:50<br>12:69<br>12:69<br>12:43<br>2:50<br>3:00<br>3:6:11<br>5:81<br>Kenmore LP –<br>UW
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   | UW (00)<br>13.05<br>10.95<br>2.00<br>4.00<br>1.00<br>1.8.77<br>17.14<br>2.50<br>3.00<br>46.41<br>4.52<br>Renton –<br>UW (00)<br>13.05<br>10.95<br>2.00   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           3.00           31.07           6.76           Renton -           Madison           11.10           10.75           0.25   | Leschi<br>8.46<br>8.46<br>0.25<br>35.00<br>7.00<br>1.00<br>1.3.82<br>2.14<br>2.50<br>3.00<br>26.46<br>7.34<br>Renton –<br>Leschi<br>8.46<br>8.66<br>0.25<br>1.45<br>2.54<br>8.46<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55 | Bellevue           7.32           6.97           0.25           35.00           7.20           4.00           1.00           1.195           2.14           2.50           3.00           2.459           8.54           Renton -           Bellevue           7.32           6.97           0.25  | UW WACC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25<br>7.71<br>Kirkland (MP) –<br>UW
WAC<br>4.15<br>3.52<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.2  | UW (cb)<br>4.65<br>3.10<br>1.45<br>5.00<br>7.00<br>4.00<br>1.00<br>5.31<br>12.43<br>2.50<br>3.00<br>28.24<br>7.44<br>Kirkland (MP)-<br>UW (OD)<br>4.65<br>3.10<br>28.24<br>7.44   | Madison         3.60           3.60         0.50           0.50         25.00           7.00         4.00           1.00         5.14           4.29         2.50           3.00         19.93           10.54         19.93           Kirkland (MP)-<br>Madison         3.60           3.00         0.50   | Leschi<br>5.70<br>5.25<br>0.30<br>25.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.50<br>2.50<br>2.50<br>2.50<br>2.207<br>9.51<br>Kirkland (MP) –<br>Leschi<br>5.70<br>5.75<br>0.30  | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.14<br>8.50<br>3.00<br>24.19<br>8.68<br>Kirkland (CP)-<br>UW
WAC<br>3.75<br>2.65<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0.95<br>0. | UW (OD)<br>4 25<br>2 65<br>1 45<br>3 5.00<br>7.00<br>4 00<br>2 200<br>4 454<br>1 2.43<br>2 2.50<br>3 00<br>2 8.47<br>7.38<br>Kirkland (CP) –<br>UW (OD)<br>4 25<br>2.65<br>1.45  | Madison           3.20           3.55           0.55           35.00           7.00           4.00           2.00           4.37           4.29           2.51           3.00           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           0.50  | Leschi<br>5-30<br>5-30<br>4-80<br>0-36<br>0-30<br>0-30<br>0-30<br>8-23<br>2-57<br>2-550<br>2-257<br>2-550<br>2-257<br>2-250<br>3-00<br>2-22-30<br>9-42<br>Kirkland (CP) -<br>Leschi<br>5-50<br>4-80<br>9-42  | UW WAC<br>487<br>3.52<br>1.25<br>3.500<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>2.7.75<br>7.57<br>Bellevue –<br>UW WAC<br>4.87<br>3.52<br>1.25   
   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>3.2.03<br>32.03<br>0.00<br>32.03<br>6.56<br>Bellevue –<br>UW (OD)<br>5.37<br>3.52<br>1.75   | Madison           3.47           3.47           3.47           3.47           3.47           0.00           55.00           7.00           4.00           1.50           5.78           0.00           3.00           3.00           3.00           16.78           12.52           Bellevue – Madison           3.47           3.47           3.47           0.00  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00  | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>3.57<br>2.57<br>2.50<br>3.00<br>3.5.60<br>5.90<br>Des Moines -<br>Pier
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| Route length (nautical milles)<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mile (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneuvers over last. 15 mile (min)<br>Total Crossing Time<br>Margin for delay en route (% of crossing time)<br>Margin for Delay Crossing Time<br>Number of Crossings in 4 hr Window<br><u>PAST ESTIMATE</u><br>Route length names peed<br>Route length at max speed<br>Route length at max speed<br>Route length at max speed<br>Route length at educed speed<br>Max Speed (knots)  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>0.00<br>38.00                 | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>8.00<br>7.40<br>0.95<br>8.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.83<br>6.60<br>1.65<br>7.40<br>1.50<br>1.65<br>7.40<br>1.50<br>1.65<br>7.40<br>1.50<br>1.65<br>7.40<br>1.50<br>1.65<br>7.40<br>1.60<br>1.83<br>6.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.63<br>1.50<br>1.83<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.63<br>1.50<br>1.50<br>1.50<br>1.50<br>1.63<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.60<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50 | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00  | Madison           8.20           7.40           0.50           35.00           35.00           7.00           4.00           1.50           1.50           2.50           3.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           27.97           0.00           3.00           3.00           3.00   | Leschi<br>10.30<br>9.65<br>0.30<br>15.00<br>7.00<br>4.00<br>15.54<br>2.57<br>2.50<br>3.00<br>30.11<br>6.97<br>Kenmore
LB-<br>Leschi<br>10.30<br>9.65<br>3.00<br>30.30<br>30.30<br>30.01<br>10.30<br>9.65<br>0.30<br>30.00<br>10.30<br>10.30<br>30.01<br>10.30<br>30.00<br>7.00<br>10.30<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55   | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>3.06<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>4.00  | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.1.03<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>1.83<br>7.40<br>1.83<br>7.40<br>1.83<br>7.40<br>1.83<br>7.40<br>1.83<br>7.40<br>1.83<br>7.40<br>1.83<br>7.40<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.40<br>1.83<br>1.83<br>7.40<br>1.40<br>1.83<br>7.40<br>1.40<br>1.83<br>7.40<br>1.40<br>1.83<br>7.40<br>1.40<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.40<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.80<br>1.83<br>7.40<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.40<br>1.80<br>1.80<br>1.80<br>1.40<br>1.80<br>1.80<br>1.80<br>1.40<br>1.80<br>1.40<br>1.80<br>1.80<br>1.40<br>1.80<br>1.80<br>1.40<br>1.80<br>1.40<br>1.80<br>1.80<br>1.40<br>1.80<br>1.40<br>1.40<br>1.40<br>1.80<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.   | UW (OD)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>5.81<br>Kenmore LP –<br>UW (OD)<br>9.30<br>7.40<br>1.45<br>38.00<br>7.40<br>1.45<br>38.00<br>4.00<br>4.00   
   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           2.00           27.97           7.51           Kenmore LP – Madison           8.35           7.40           0.50           38.00           7.00           4.00  | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>3.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.45<br>9.65<br>0.30<br>30.01<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.10<br>30.11<br>0.00<br>30.11<br>0.00<br>30.10<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.00<br>30.11<br>0.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30   | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>2.57<br>2.50<br>3.0.66<br>6.85<br>Kenmore LB-<br>Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00 | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>42.13<br>4.213<br>4.98<br>Renton -<br>UW WAC<br>12.55<br>10.95<br>1.50<br>38.00<br>7.00<br>4.00  | UW
(OD)<br>13.05<br>10.95<br>2.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.52<br>8.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.000<br>4.0000<br>4.0000<br>4.0000<br>4.0000<br>4.0000<br>4.0000<br>4.00000<br>4.00000<br>4.0000000<br>4.0000000000   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           3.00           31.07           6.76           Renton -           Madison           11.10           10.75           38.00           7.00           4.00  | Leschi<br>8.46<br>8.46<br>0.25<br>3.00<br>7.00<br>4.00<br>13.82<br>2.14<br>2.50<br>3.00<br>2.646<br>7.94<br>Renton –<br>Leschi<br>8.46<br>8.26<br>0.25<br>3.800<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.25<br>3.800<br>7.00<br>4.00<br>1.3.82<br>2.14<br>2.50<br>3.00<br>2.646<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.9 | Bellevue           7.32           6.97           0.25           35.00           7.32           4.00           1.00           1.195           2.14           2.50           3.00           3.00           2.459           8.54           Renton -           Bellevue           7.32           6.97           0.25           3.800           7.00           4.00   | UW WAC<br>4.15<br>3.52<br>1.25<br>3.5.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>1.02<br>2.50<br>2.7.25<br>7.71<br>Kirkland (MP) –<br>UW WAC<br>4.15<br>3.52<br>4.15<br>3.52<br>1.25<br>38.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.15<br>4.15<br>4.15<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.0         | UW (cb)            4.65            4.01            1.45            35.00            7.00            4.00            1.45            3.00            3.00            2.530            2.824            7.44            Kirkland (MP) - UW (cb)            4.65            3.800            7.00         4.00   
   | Madison         3.60           3.60         3.50           3.500         35.00           3.500         7.00           4.00         5.14           1.00         5.14           5.250         3.00           9.93         0.00           19.93         0.00           19.93         10.54           Kirkland (MP) - Madison         3.60           3.00         3.00           3.800         38.00  | Leschi<br>5.70<br>5.70<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>Kirkland (MP) -<br>Leschi<br>5.70<br>5.25<br>0.30<br>0.03<br>0.30<br>0.30<br>0.03<br>0.30<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.03<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>8.14<br>8.14<br>8.14<br>2.50<br>3.00<br>2.4.19<br>0.00<br>2.4.19<br>8.68<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>2.65<br>0.95<br>3.00<br>7.00<br>4.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.0000<br>2.000<br>2.000<br>2.000<br>2.000<br>2.0000<br>2.0000<br>2.0000<br>2.000<br>2.000<br>2.0000<br>2.0000<br>2.0000<br>2.0000<br>2.0                             | UW (OD)<br>4 25<br>4 25<br>1 45<br>1 45<br>1 45<br>1 45<br>1 45<br>1 45<br>1 2 45<br>1 2 45<br>2 200<br>4 45<br>4 12 43<br>2 200<br>4 25<br>2 8 47<br>7 38<br>Kirkland (CP) -<br>UW (OD)<br>4 25<br>2 65<br>1 45<br>3 8.00<br>7 .00<br>4 4.00   
  | Madison           3.20           3.55           0.55           35.00           7.00           4.00           2.00           4.23           4.25           2.50           3.00           20.16           0.00           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           0.50           38.00           7.00           4.00   | Lesch /<br>5-30<br>5-30<br>4-80<br>0-36<br>0-30<br>0-30<br>4-00<br>2-20<br>2-57<br>2-50<br>3-00<br>2-2-30<br>0-00<br>2-2-30<br>9-42<br>Kirkland (CP) -<br>Lesch i<br>5-50<br>4-80<br>9-42<br>Kirkland (CP) -<br>Lesch i<br>5-50<br>4-80<br>3-80<br>0-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0   | UW WAC<br>487<br>3.52<br>1.25<br>3.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>3.00<br>2.7.75<br>7.57<br>Bellevue –<br>UW WAC<br>4.87<br>3.52<br>1.25<br>7.00<br>2.7.75<br>7.57   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>2.50<br>32.03<br>0.00<br>32.03<br>6.56<br>Bellevue –<br>UW (OD)<br>5.37<br>3.52<br>1.75<br>38.00  
   | Madison           3.47           3.47           3.00           0.00           35.00           7.00           4.00           1.50           5.78           0.00           16.78           0.00           16.78           0.00           16.78           0.00           16.78           3.00           3.47           3.37           0.00           38.00   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Believue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>38.00   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.00<br>35.00<br>35.00<br>35.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50   | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>0.00<br>24.37<br>8.62<br>Ballard Marina<br>Pier 50<br>5.80<br>5.30<br>0.50<br>38.00   | st.U         -           3.40         -           3.40         -           2.90         -           0.50         -           7.00         -           7.00         -           7.00         -           7.00         -           7.00         -           7.00         -           4.00         1.50           24.86         4.29           3.00         -           40.14         -           0.00         -           40.14         -           5.23         -           Ballard (24th)-         -           St.U         -           3.40         -           0.50         -           7.00         -           4.00         -   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at max speed (min)<br>Crossing time at treduced speed (min)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Total Crossing Time<br>Margin for delay en route (% of crossing time)<br>Margin for delay en route (% of crossing time)<br>Margin for delay en route (% of crossing time)<br>Margin for delay en route (% of crossing time)<br>Number of Crossing Time<br>Number of Crossing Time<br>Route length (nautical miles)<br>Route length at reduced speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first. 15 mile (min)   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>0.00<br>38.00<br>7.00         | UW WAC           8.65           7.40           0.95           35.00           7.00           4.00           1.50           12.69           8.14           2.50           31.83           0.00           31.83           6.60           Kenmore LE-<br>UW WAC           8.65           7.45           7.40           9.95           38.00           7.00           4.00           1.50  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>4.00<br>1.50   | Madison           8.20           7.40           0.50           35.00           35.00           7.00           4.00           1.50           1.50           1.50           2.50           3.00           27.97           0.00           27.97           7.51           Kenmore LB-<br>Madison           8.20           7.40           0.80           38.00           7.00           4.00           1.50   | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.55<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmora
LB-<br>Leschi<br>10.30<br>9.65<br>0.30<br>3.00<br>7.00<br>4.00<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>1.55<br>0.30<br>1.55<br>0.30<br>1.55<br>0.30<br>1.55<br>0.30<br>1.55<br>0.30<br>1.55<br>0.30<br>1.55<br>0.30<br>1.55<br>0.30<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.15<br>1.55<br>1.15<br>1.55<br>1.15<br>1.55<br>1.15<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55   | Bellevue           10.57           9.97           0.30           35.00           7.00           4.00           1.50           17.09           2.57           2.50           30.66           0.00           30.66           0.00           30.66           0.03           30.66           0.30           38.00           7.00           4.00           1.50  | UW WAC<br>8.80<br>7.40<br>9.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LP -<br>UW WAC<br>8.80<br>7.40<br>0.95<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.83<br>6.60<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50  | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         1.50           12.69         12.63           12.69         12.43           2.50         3.00           36.11         0.00           36.11         5.81           Kenmore LP - UW (OD)           9.30         7.44           38.00         7.00           4.00         1.50  
   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kenmore LP - Madison           8.35           7.40           38.00           7.00           4.00           1.50   | Leschi<br>10.45<br>9.65<br>0.30<br>7.00<br>4.00<br>1.50<br>1.55<br>1.57<br>2.50<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmora LP<br>Leschi<br>10.45<br>9.65<br>0.30<br>3.00<br>7.00<br>4.00<br>3.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.50<br>3.00<br>3.50<br>3.00<br>3.50<br>3.00<br>3.50<br>3.00<br>3.00<br>3.50<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00 | Bellevue           10.72           9.97           0.30           35.00           7.00           4.00           1.50           17.09           2.57           2.50           30.66           0.00           30.66           0.00           30.66           0.03           30.66           0.37           9.97           0.30           38.00           7.00           4.00           1.50  | UW WAC<br>12:55<br>10:95<br>1:50<br>35:00<br>7:00<br>4:00<br>1:00<br>18:77<br>12:86<br>2:50<br>3:00<br>42:13<br>0:00<br>42:13<br>4:98<br>Renton -<br>UW WAC<br>12:55<br>10:95<br>1:50<br>38:00<br>7:00<br>4:00<br>4:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:05<br>1:05<br>1:05<br>1:05<br>1:05<br>1:05<br>1:05<br>1:05<br>1:05<br>1:00<br>1:00<br>1:00<br>1:00<br>1:05<br>1:05<br>1:05<br>1:05<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:05<br>1:05<br>1:05<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00<br>1:00  | UW (00)<br>13.05<br>10.95<br>2.00<br>35.00<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>17.14<br>2.50<br>3.00<br>46.41<br>4.52<br>Renton –<br>UW
(00)<br>13.05<br>10.95<br>2.00<br>38.00<br>7.00<br>4.00<br>1.00<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05 | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           31.07           0.00           31.07           6.76           Renton -           Madison           11.10           10.75           38.00           7.00           4.00           1.00   | Leschi<br>8.46<br>0.5<br>35.00<br>35.00<br>4.00<br>1.00<br>1.3.82<br>2.14<br>2.50<br>3.00<br>26.46<br>0.00<br>26.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>8.46<br>0.25<br>38.00<br>7.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>2.6.46<br>1.00<br>1.00<br>1.00<br>1.00<br>2.6.46<br>3.00<br>2.6.46<br>3.00<br>2.6.46<br>3.00<br>2.6.46<br>3.00<br>2.6.46<br>3.00<br>2.6.40<br>1.00<br>1.00<br>1.00<br>1.00<br>2.6.46<br>3.00<br>2.6.40<br>1.00<br>1.00<br>1.00<br>1.00<br>2.6.46<br>3.00<br>2.6.40<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00         | Bellewue           7.32           6.97           0.25           35.00           7.32           0.25           35.00           7.02           1.00           1.195           2.14           2.50           3.00           2.4.59           0.00           24.59           0.00           7.32           6.97           7.32           6.97           0.25           38.00           7.02           3.00           7.02           3.00           7.02           3.00           7.02           3.03           3.04.00 | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25<br>7.71<br>Kirkland (MP) -<br>UW WAC<br>4.15<br>3.52<br>1.25<br>3.8.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.15<br>3.800<br>7.00<br>4.00<br>4.15<br>3.800<br>7.00<br>4.00<br>4.00<br>4.15<br>3.800<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>7.00<br>4.00<br>7.00<br>4.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00             | UW (c0)<br>4.65<br>3.10<br>1.45<br>35.00<br>7.00<br>4.00<br>1.00<br>5.31<br>1.2.43<br>2.50<br>3.00<br>2.8.24<br>0.00<br>2.8.24<br>7.44<br>Kirkland (MP)<br>4.65<br>3.10<br>2.8.24<br>7.44<br>Kirkland (MP)<br>4.65<br>3.8.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00  
   | Madison         3.60           3.60         3.50           0.50         35.00           7.00         4.00           4.00         1.00           5.14         5.20           3.00         19.93           0.00         19.93           10.54         10.54           Kirkland (MP)-<br>Madison         3.60           3.60         3.00           7.00         4.00  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>• Kirkland (MP)-<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>1.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00 | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.20<br>4.20<br>4.54<br>4.54<br>4.54<br>2.4.19<br>0.00<br>24.19<br>0.00<br>24.19<br>6.00<br>24.54<br>8.68<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>2.65<br>38.00<br>7.00<br>2.05<br>38.00<br>7.00<br>2.05<br>38.00<br>7.00<br>2.05<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.70<br>3.70<br>3.75<br>3.75<br>3.70<br>3.70<br>3.70<br>3.75<br>3.70<br>3.70<br>3.70<br>3.75<br>3.70<br>3.70<br>3.70<br>3.70<br>3.75<br>3.70<br>3.70<br>3.70<br>3.75<br>3.70<br>3.70<br>3.70<br>3.70<br>3.75<br>3.70<br>3.70<br>3.70<br>3.70<br>3.75<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.75<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3.70<br>3   | UW (OD)<br>4 25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>7.38<br>Kirkland (CP) -<br>UW (OD)<br>4 25<br>2.65<br>1.45<br>3.8.00<br>7.00<br>4.00<br>2.00  
  | Madison           3.20           3.5           3.5           3.5           3.5           7.00           4.00           2.016           0.00           20.16           10.42           Kirkland (CP) -<br>Madison           3.20           2.55           0.50           3.800           7.00           4.00           2.55           0.50           38.00           7.00           4.00           2.00  | Leschi<br>5.30<br>4.00<br>35.00<br>35.00<br>35.00<br>7.00<br>4.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00<br>22.30<br>9.42<br>Kirkland (CP) -<br>Kirkland (CP) -<br>Kirkland (CP) -<br>Kirkland (CP) -<br>5.30<br>4.80<br>38.00<br>7.00<br>4.00<br>2.00<br>7.00<br>4.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.57<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.00<br>7.57<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.55<br>7.               | UW WAC<br>487<br>35.00<br>1.25<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>1.071<br>2.50<br>3.00<br>27.75<br>7.57<br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.75</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.70</b><br><b>27.7027.7027.7027.7027.7027.7027.7027.7027.7027.7027.7</b> | UW (OD)           5.37           3.52           1.75           35.00           7.00           4.00           1.50           6.03           15.00           2.50           32.03           0.00           32.03           6.56           Bellevue -<br>uw (OD)           5.37           3.52           1.75           38.00           7.00           4.00           1.50  
   | Madison           3.47           3.47           3.37           0.00           0.50           7.00           4.00           1.50           5.78           0.00           1.50           3.00           16.78           0.00           16.78           0.01           16.78           3.47           3.37           0.38.00           7.00           4.00           1.50  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>3.800<br>7.00   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50   | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>5.80<br>5.30<br>0.50<br>38.00<br>7.00<br>4.29<br>24.37<br>8.62  | st.U         -           3.40         -           3.40         -           0.50         -           7.00         -           7.00         -           4.00         -           1.50         -           4.29         -           3.00         -           40.14         -           0.00         -           40.14         -           5.23         -           Ballard (24th)-         -           SLU         -           3.00         -           40.52         -           3.00         -           40.14         -           5.23         -           3.00         -           3.00         -           4.00         -           1.50         -                              |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at max speed (min)<br>Crossing time at reduced speed (min)<br>Time allowed for maneuvers over last. 15 mille (min)<br>Total Crossing Time<br>Margin for Delay Crossing Time<br>Number of Crossing in 4 hr Window<br><u>FAST ESTIMATE</u><br>Route length at reduced speed<br>Max Speed (knots)<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for maseuvers over first. 15 mille (min)<br>Time allowed for maseuvers over first. 15 mille (min)   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>0.00<br>38.00<br>7.00         | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.83<br>6.60<br>1.50<br>1.65<br>7.40<br>1.40<br>1.50<br>1.83<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.83<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1 | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>12.69<br>12.43<br>2.50<br>3.6.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>4.00<br>1.55<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>1.45<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.58<br>1.57<br>1.57<br>1.57<br>1.58<br>1.57<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.57<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1.58<br>1 | Madison           8.20           7.40           0.50           35.00           7.00           0.50           4.00           15.0           12.69           2.20           3.00           2.7.97           7.51           Kenmore LB-Madison           8.20           7.60           3.80,0           7.00           4.00           1.58  | Leschi<br>10.30<br>9.65<br>0.30<br>15.00<br>7.00<br>4.00<br>15.54<br>4.00<br>15.54<br>4.00<br>15.54<br>4.00<br>10.30<br>30.11<br>6.97<br>Kenmore
LB-<br>Leschi<br>10.30<br>9.65<br>0.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.54<br>10.30<br>10.30<br>10.54<br>10.30<br>10.54<br>10.30<br>10.30<br>10.55<br>10.30<br>10.30<br>10.30<br>10.30<br>10.55<br>10.30<br>10.55<br>10.30<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.55<br>10.5   | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>3.06<br>0.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>1.57<br>9.57<br>0.30<br>4.00<br>1.57<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1 | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.1.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>0.95<br>38.00<br>7.00<br>4.00<br>1.50<br>1.63<br>8.00<br>7.00<br>4.00<br>1.69<br>8.14<br>6.60<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>8.10<br>1.69<br>8.14<br>8.00<br>1.83<br>6.60<br>1.69<br>8.00<br>1.69<br>8.10<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>1.83<br>6.60<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.69<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68  | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         35.00           1.45         12.69           12.43         2.50           3.00         36.11           5.81         5.81           Yut (OD)         9.30           7.40         1.45           38.00         7.40           1.45         38.00           1.50         1.50           1.50         1.50   
  | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           2.00           27.97           7.51           Kenmore LP – Madison           8.35           7.40           0.50           38.00           7.00           4.00           1.50           1.68  | Leschi<br>10.45<br>9.65<br>0.30<br>0.30<br>15.00<br>7.00<br>4.00<br>1.55<br>1.55<br>2.57<br>2.50<br>3.0.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>3.0.11<br>10.45<br>9.65<br>0.30<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45   | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>2.57<br>2.50<br>3.0.66<br>6.85<br>Kenmore LB-Bellevue<br>Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.574<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.98<br>Renton -<br>UW WAC<br>12.55<br>10.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.0.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.0.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.2.55<br>1.50<br>38.00<br>7.00<br>4.00<br>1.2.55<br>1.50<br>38.00<br>7.00<br>4.00<br>1.2.55<br>1.50<br>38.00<br>7.00<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.50<br>1.2.55<br>1.50<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.2.55<br>1.50<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00                            | UW (OD)           13.05           13.05           2.00           2.00           35.00           7.00           45.00           10.00           18.77           17.14           2.50           3.00           3.00           46.41           4.52           Renton -           UW (OD)           13.05           10.95           2.00           3.00           3.00           46.41           4.52           Renton -           UW (OD)           13.05           10.95           2.00           3.800           7.00           4.00           1.00   
   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           3.00           31.07           0.00           31.07           6.76           Renton -           Madison           11.10           10.75           38.00           7.00           4.00           16.97   | Leschi<br>8.46<br>8.46<br>0.25<br>3.00<br>7.00<br>4.00<br>13.82<br>2.14<br>2.50<br>3.00<br>2.646<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.8.00<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.8.00<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.8.00<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.8.00<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.8.00<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>7.00<br>7.00<br>7.00<br>7.00<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.94<br>Renton -<br>1.25<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.94<br>7.94<br>7.94<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00                           | Bellevue           7.32           6.97           0.25           35.00           7.32           4.00           1.00           1.195           2.14           2.50           3.00           3.00           2.459           8.54           Renton -           Bellevue           7.32           6.37           7.32           6.37           7.32           6.37           0.25           3.80.00           7.00           4.00           1.101   | UW WAC<br>4.15<br>3.52<br>1.25<br>3.5.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>10.71<br>2.50<br>2.7.25<br>7.71<br>Kirkland (MP) –<br>UW WAC<br>4.15<br>3.52<br>1.25<br>38.00<br>7.00<br>4.00<br>1.05<br>5.56   | UW (cb)         UW (cb)           4.65         4.61           3.10         1.45           1.45         5.00           7.00         4.00           1.00         5.31           1.2 43         2.50           2.8 24         7.04           7.00         28.24           7.44         7.44           Kirkland (MP) - UW (CD)         4.55           3.80.00         7.00           4.00         4.89   
  | Madison           3.60           3.60           0.50           25.00           7.00           4.00           5.14           4.29           2.50           3.00           19.93           10.54           Kirkland (MP) -<br>Madison           3.60           0.53           0.50           4.00           10.54   | Leschi<br>5.70<br>5.25<br>0.30<br>25.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>2.50<br>2.2.07<br>9.51<br>Kirkland (MP) –<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>4.00<br>1.00<br>8.29  | UW WAC<br>3.75<br>2.65<br>0.95<br>3.5.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.01<br>4.14<br>8.14<br>2.50<br>3.00<br>24.19<br>8.68<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>2.65<br>3.00<br>24.19<br>8.68<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75         | UW (OD)<br>4 (25)<br>4 (25)<br>1 (45)<br>3 (5,00)<br>7,00<br>4 (00)<br>2 (20)<br>4 (25)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>4 (25)<br>2 (25)<br>2 (25)<br>1 (45)<br>3 (26)<br>4 (25)<br>2 | Madison           3.20           3.55           0.55           35.00           7.00           4.00           2.00           4.23           4.29           2.016           0.00           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           0.50           38.00           7.00           4.00           4.00  | Leschi<br>5-30<br>5-30<br>4-80<br>0-30<br>0-30<br>0-30<br>4-00<br>2-20<br>8-22<br>2-57<br>2-50<br>2-57<br>2-50<br>3-20<br>2-2-30<br>0-00<br>2-2-30<br>9-42<br>Kirkland (CP) -<br>Leschi<br>5-30<br>4-80<br>0-30<br>9-42<br>Kirkland (CP) -<br>Leschi<br>5-30<br>0-30<br>0-30<br>9-42<br>Kirkland (CP) -<br>2-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0-3  
  | UW WAC<br>487<br>3.52<br>1.25<br>3.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>2.7.75<br>0.00<br>2.7.75<br>7.57<br>Bellevue -<br>UW WAC<br>4.87<br>3.820<br>4.87<br>3.820<br>4.87<br>3.820<br>4.87<br>3.820<br>4.87<br>3.556  | UW (OD)           5.37           3.52           1.75           35.00           7.00           4.00           1.50           6.03           15.00           2.50           32.03           0.00           32.03           6.56           Bellevue -           UW (OD)           5.37           3.52           1.75           38.00           7.00           4.00           1.556  | Madison           3.47           3.47           3.47           3.47           3.47           3.47           0.00           55.00           75.00           578           0.00           5.01           578           0.00           3.00           3.00           3.00           16.78           12.52           Bellevue - Madison           3.47           0.00           3.00           7.00           3.60           7.00           4.00           1.5.2  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.00<br>1.50<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>38.00<br>7.00<br>4.00<br>15.15<br>13.86   
   | Pier 50           10.35           9.35           1.00           35.00           7.00           4.00           1.50           1.63           8.57           2.50           3.00           33.60           0.00           33.60           5.90   | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.4.37<br>8.62<br>Ballard Marina<br>Pier 50<br>5.80<br>5.30<br>0.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>3.00<br>7.00<br>4.00<br>1.50<br>5.80<br>5.80<br>5.80<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00   | st.U         -           3.40         -           3.40         -           2.90         -           0.50         -           7.00         -           7.00         -           7.00         -           24.86         -           4.29         -           2.50         -           3.00         -           40.14         -           0.00         -           40.14         -           5.23         -           Ballard (24th)-         -           SLU         -           3.40         -           2.90         -           7.00         -           4.00         -           1.50         -           24.86         -   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first .15 mille (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over last .15 mille (min)<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first .15 mille (min)<br>Crossing time at max speed (min)  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>38.00<br>7.00<br>4.00<br>1.50 | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Xenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>33.00<br>7.00<br>4.00<br>1.50<br>11.68<br>8.14  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>4.00<br>1.55<br>1.1.65<br>11.68<br>12.43  | Madison           8.20           7.40           0.50           35.00           35.00           35.00           35.00           7.00           4.00           1.50           1.50           1.269           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kammore LB-<br>Madison           8.20           7.40           0.50           38.00           7.00           4.00           1.50           1.50           1.50           1.50  | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.57<br>2.57<br>3.00<br>30.11<br>6.97<br>Kenmore
LB-<br>Leschi<br>10.30<br>9.65<br>0.30<br>38.00<br>7.00<br>4.00<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>30.11<br>6.97<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50                             | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Konmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>15.74<br>2.57<br>2.57<br>3.00<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57                   | UW WAC<br>8.80<br>7.40<br>9.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>9.95<br>38.00<br>7.00<br>4.00<br>1.50<br>11.68<br>8.14   | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         35.00           7.00         1.269           12.69         12.43           2.50         3.00           36.11         0.00           36.11         5.81           Kenmore LP - UW (OD)           9.30         7.40           1.45         38.00           7.00         1.45           1.45         1.68           12.63         1.60  
  | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kenmore LP - Madison           8.35           7.40           0.50           38.00           7.00           1.58           1.68           4.29   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.55<br>4.57<br>2.50<br>3.00<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>38.00<br>7.00<br>4.00<br>30.11<br>0.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10   | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LE-Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>15.74<br>2.57  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.98<br>Renton -<br>UW WAC<br>12.55<br>10.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1  | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.8.77<br>17.14<br>4.52<br>Renton –<br>UW
(OD)<br>13.05<br>38.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.05<br>2.00<br>3.00<br>2.00<br>2.00<br>3.00<br>2.00<br>2.00<br>3.00<br>2.00<br>2.00<br>2.00<br>3.00<br>2.00<br>2.00<br>2.00<br>3.00<br>2.00<br>3.00<br>2.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           31.07           0.00           31.07           6.76           Renton - Madison           11.10           10.75           38.00           7.00           4.00           1.00           16.97           2.14  | Leschi<br>8.46<br>8.66<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.3.82<br>2.14<br>2.50<br>2.6.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>8.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.05<br>38.00<br>7.00<br>26.46<br>0.05<br>26.46<br>7.94<br>Renton –<br>Leschi<br>2.14<br>2.14<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.646<br>7.94<br>Renton –<br>Leschi<br>2.60<br>2.50<br>2.646<br>7.94<br>Renton –<br>2.60<br>2.60<br>2.50<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.70<br>2.70<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.       | Bellewue           7.32           6.97           0.25           35.00           35.00           7.22           35.00           7.25           35.00           7.26           7.27           3.00           2.14           2.50           3.00           2.459           0.00           24.59           8.54           Renton -           Bellewue           7.32           6.97           0.25           38.00           7.00           4.00           1.00           1.101  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25<br>7.71<br>Kirkland (MP) –<br>UW WAC<br>4.15<br>3.52<br>1.25<br>3.8.00<br>7.00<br>4.00<br>4.00<br>5.56<br>10.71   | UW (c0)<br>4,65<br>3,10<br>1,45<br>35,00<br>7,00<br>4,00<br>1,00<br>5,31<br>1,2,43<br>2,50<br>3,00<br>2,8,24<br>0,00<br>2,8,24<br>7,24<br>7,24<br>Kirkland (MP)-<br>2,8,24<br>7,44<br>Kirkland (MP)-<br>4,65<br>3,30<br>7,00<br>2,8,24<br>7,44<br>Kirkland (MP)-<br>4,65<br>3,800<br>7,00<br>7,00<br>4,00<br>1,00<br>4,00<br>7,00<br>2,8,24<br>7,44<br>7,44<br>7,44<br>7,44<br>7,44<br>7,44<br>7,44<br>7  
   | Madison         3.60           3.60         3.60           0.50         35.00           35.00         35.00           7.00         4.00           4.00         1.01           5.1         3.60           1.00         5.14           1.03         3.60           1.03         3.00           0.00         3.800           7.00         4.00           4.00         4.00           4.00         4.00           1.03         3.60           0.00         1.00           4.74         4.29                       | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>• Kirkland (MP)-<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>1.00<br>8.29<br>2.57   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.00<br>2.00<br>4.54<br>8.68<br>Kirkland (CP)<br>UW WAC<br>3.75<br>2.65<br>0.95<br>38.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.0 | UW (OD)<br>4 25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>7.38<br>Kirkland (CP) -<br>UW (OD)<br>4.25<br>2.65<br>1.45<br>3.8.00<br>7.00<br>4.00<br>2.00<br>4.18<br>3.8.00<br>7.00<br>4.18<br>3.8.00<br>7.00  
  | Madison           3.20           3.5           3.5           3.5           35.00           7.00           4.00           2.00           4.37           4.29           2.50           3.00           20.16           0.00           20.16           10.42           Kirkland (CP) - Madison           3.20           2.55           0.50           38.00           7.00           4.00           2.00           4.00           2.01  | Leschi<br>5.30<br>4.00<br>35.00<br>35.00<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00<br>22.30<br>9.42<br>Kirkland (CP)-<br>Leschi<br>5.30<br>38.00<br>7.00<br>4.00<br>2.00<br>9.42<br>Kirkland (CP)-<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00           | UW WAC           4.87           3.52           1.25           35.00           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           3.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.01           38.00           38.00           7.00           1.50           5.56           10.71  | UW (OD)           5.37           3.52           1.75           35.00           7.00           4.00           1.50           6.03           15.00           2.50           32.03           0.00           32.03           6.56           Bellevue -           UW (OD)           3.52           1.75           38.00           7.00           4.00           1.50           5.56           15.00   
   | Madison           3.47           3.47           3.47           3.37           0.00           0.00           35.00           35.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78           0.00           16.78           0.00           16.78           3.00           3.00           3.37           0.00           38.00           7.00           4.00           1.50           5.32           0.00   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>7.00<br>4.00<br>15.15<br>13.86  | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50               | Pier 50<br>5.80<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>5.80<br>5.30<br>0.50<br>38.00<br>7.00<br>4.29<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>38.00<br>7.00<br>4.29<br>5.30<br>0.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>38.00<br>7.00<br>8.30<br>4.29<br>4.29<br>4.29<br>4.29<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00         | st.U         st.u           3.40         3.40           3.40         3.40           0.50         7.00           7.00         7.00           7.00         1.50           4.01         2.9           3.00         40.14           0.00         40.14           5.23         SLU           3.40         2.90           0.50         7.00           7.00         1.50           4.00         1.50           4.29         2.90   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at at max speed (min)<br>Time allowed for maneuvers over last. 15 mille (min)<br>Time allowed for passenger unloading (min)<br>Total Crossing Time<br>Margin for Delay Crossing Time<br>Number of Crossing s 4 hr Window<br>Route length at max speed<br>Route length at max speed<br>Route length at max speed<br>Max Speed (knots)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over last. 15 mille (min)   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>0.00<br>38.00<br>7.00         | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>0.95<br>38.00<br>7.40<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.83<br>6.60<br>1.50<br>1.65<br>7.40<br>1.40<br>1.50<br>1.83<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.65<br>7.40<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.83<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.65<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1 | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>12.69<br>12.43<br>2.50<br>3.6.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>4.00<br>1.55<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>9.15<br>7.40<br>1.45<br>1.45<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.58<br>1.50<br>1.50<br>1.50<br>1.58<br>1.50<br>1.50<br>1.50<br>1.58<br>1.50<br>1.50<br>1.58<br>1.50<br>1.58<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1 | Madison           8.20           7.40           0.50           35.00           7.00           0.50           4.00           15.0           12.69           2.20           3.00           2.7.97           7.51           Kenmore LB-Madison           8.20           7.60           3.80,0           7.00           4.00           1.58  | Leschi<br>10.30<br>9.65<br>0.30<br>15.00<br>7.00<br>4.00<br>15.54<br>2.57<br>2.50<br>30.11<br>6.97<br>Kenmore
LB-<br>Leschi<br>10.30<br>9.65<br>0.30<br>30.51<br>0.30<br>30.11<br>0.30<br>9.65<br>0.30<br>10.30<br>30.11<br>0.30<br>9.55<br>0.30<br>10.30<br>10.30<br>9.55<br>0.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.30<br>10.54<br>2.57<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50          | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>2.57<br>2.50<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.57<br>9.57<br>0.30<br>38.00<br>7.00<br>4.00<br>1.57<br>9.57<br>0.30<br>38.00<br>7.00<br>1.57<br>9.57<br>0.30<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.50<br>1.57<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.5    | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>3.1.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>0.95<br>38.00<br>7.00<br>4.00<br>1.50<br>1.63<br>8.00<br>7.00<br>4.00<br>1.69<br>8.14<br>6.60<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>1.69<br>8.14<br>1.69<br>8.14<br>1.69<br>1.69<br>1.83<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.68<br>1.69<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.68<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1 | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         35.00           1.45         12.69           12.43         2.50           3.00         36.11           5.81         5.81           Yut (OD)         9.30           7.40         1.45           38.00         7.40           1.45         38.00           1.50         1.50           1.50         1.50  
   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           2.00           27.97           7.51           Kenmore LP – Madison           8.35           7.40           0.50           38.00           7.00           4.00           1.50           1.68  | Leschi<br>10.45<br>9.65<br>0.30<br>0.30<br>15.04<br>4.00<br>1.50<br>16.54<br>4.00<br>1.50<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>30.11<br>0.05<br>4.00<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>3.0.11<br>0.45<br>0.30<br>3.0.11<br>0.45<br>0.30<br>3.0.11<br>0.45<br>0.30<br>3.0.11<br>0.45<br>0.30<br>3.0.11<br>0.45<br>0.30<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45   | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>2.57<br>2.50<br>3.0.66<br>6.85<br>Kenmore LB-Bellevue<br>Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.574<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1   | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.98<br>Renton -<br>UW WAC<br>12.55<br>10.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.0.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.0.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.2.55<br>1.50<br>38.00<br>7.00<br>4.00<br>1.2.55<br>1.50<br>38.00<br>7.00<br>4.00<br>1.2.55<br>1.50<br>38.00<br>7.00<br>4.00<br>1.2.86<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.2.55<br>1.50<br>1.50<br>1.2.55<br>1.50<br>1.00<br>1.00<br>1.00<br>1.2.55<br>1.50<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.                            | UW (OD)           13.05           13.05           2.00           2.00           35.00           7.00           45.00           10.00           18.77           17.14           2.50           3.00           3.00           46.41           4.52           Renton -           UW (OD)           13.05           10.95           2.00           3.00           3.00           46.41           4.52           Renton -           UW (OD)           13.05           10.95           2.00           3.800           7.00           4.00           1.00      
  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           3.00           31.07           0.00           31.07           6.76           Renton -           Madison           11.10           10.75           38.00           7.00           4.00           16.97           2.14           2.50   | Leschi<br>8.46<br>8.46<br>0.25<br>3.00<br>7.00<br>4.00<br>13.82<br>2.14<br>2.50<br>2.646<br>0.00<br>2.6.46<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.6.46<br>0.25<br>3.00<br>2.7.00<br>2.6.46<br>0.25<br>3.00<br>2.7.00<br>2.6.46<br>0.25<br>3.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.00<br>2.7.000<br>2.7.000<br>2.7.000<br>2   | Bellevue           7.32           6.97           0.25           35.00           7.32           4.00           1.00           1.195           2.14           2.50           3.00           3.00           2.459           8.54           Renton -           Bellevue           7.32           6.37           7.32           6.37           7.32           6.37           0.25           3.80.00           7.00           4.00           1.101   | UW WAC<br>4.15<br>3.52<br>1.25<br>3.5.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>10.71<br>2.50<br>2.7.25<br>7.71<br>Kirkland (MP) –<br>UW WAC<br>4.15<br>3.52<br>1.25<br>38.00<br>7.00<br>4.00<br>1.05<br>5.56   | UW (cb)         UW (cb)           4.65         4.61           3.10         1.45           1.45         5.00           7.00         4.00           1.00         5.31           1.2 43         2.50           2.8 24         7.04           7.00         28.24           7.44         7.44           Kirkland (MP) - UW (CD)         4.55           3.80.00         7.00           4.00         4.89  
   | Madison           3.60           3.60           0.50           25.00           7.00           4.00           5.14           4.29           2.50           3.00           19.93           10.54           Kirkland (MP) -<br>Madison           3.60           0.53           0.50           4.00           10.54   | Leschi<br>5.70<br>5.25<br>0.30<br>25.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>2.50<br>2.2.07<br>9.51<br>Kirkland (MP) –<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>4.00<br>1.00<br>8.29  | UW WAC<br>3.75<br>2.65<br>0.95<br>3.5.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.01<br>4.14<br>8.14<br>2.50<br>3.00<br>24.19<br>8.68<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>2.65<br>3.00<br>24.19<br>8.68<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75<br>3.75         | UW (OD)<br>4 (25)<br>4 (25)<br>1 (45)<br>3 (5,00)<br>7,00<br>4 (00)<br>2 (20)<br>4 (25)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>2 (20)<br>4 (25)<br>2 (25)<br>2 (25)<br>1 (45)<br>3 (26)<br>4 (25)<br>2 | Madison           3.20           3.55           0.55           0.50           35.00           7.00           4.00           2.00           4.20           2.01           0.00           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           0.50           38.00           7.00           4.00           4.03           4.29           2.50   | Leschi<br>5-30<br>5-30<br>4-80<br>0-30<br>0-30<br>0-30<br>4-00<br>2-20<br>8-22<br>2-57<br>2-50<br>2-57<br>2-50<br>3-20<br>2-2-30<br>0-00<br>2-2-30<br>9-42<br>Kirkland (CP) -<br>Leschi<br>5-30<br>4-80<br>0-30<br>9-42<br>Kirkland (CP) -<br>Leschi<br>5-30<br>0-30<br>0-30<br>9-42<br>Kirkland (CP) -<br>2-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0-30<br>0-3   
   | UW WAC<br>487<br>3.52<br>1.25<br>3.00<br>7.00<br>4.00<br>1.50<br>6.03<br>10.71<br>2.50<br>2.7.75<br>0.00<br>2.7.75<br>7.57<br>Bellevue -<br>UW WAC<br>4.87<br>3.820<br>4.87<br>3.820<br>4.87<br>3.820<br>4.87<br>3.820<br>4.87<br>3.556  | UW (OD)           5.37           3.52           1.75           35.00           7.00           4.00           1.50           6.03           15.00           2.50           32.03           0.00           32.03           6.56           Bellevue -           UW (OD)           5.37           3.52           1.75           38.00           7.00           4.00           1.556  | Madison           3.47           3.47           3.47           3.47           3.47           3.47           0.00           55.00           75.00           578           0.00           5.01           578           0.00           3.00           3.00           3.00           16.78           12.52           Bellevue - Madison           3.47           0.00           3.00           7.00           3.60           7.00           4.00           1.5.2  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.00<br>1.50<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>38.00<br>7.00<br>4.00<br>15.15<br>13.86  
  | Pier 50           10.35           9.35           1.00           35.00           7.00           4.00           1.50           1.63           8.57           2.50           3.00           33.60           0.00           33.60           5.90   | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.4.37<br>8.62<br>Ballard Marina<br>Pier 50<br>5.80<br>5.30<br>0.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>3.00<br>7.00<br>4.00<br>1.50<br>5.80<br>5.80<br>5.80<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00   | st.U         -           3.40         -           3.40         -           2.90         -           0.50         -           7.00         -           7.00         -           7.00         -           24.86         -           4.29         -           2.50         -           3.00         -           40.14         -           0.00         -           40.14         -           5.23         -           Ballard (24th)-         -           SLU         -           3.40         -           2.90         -           7.00         -           4.00         -           1.50         -           24.86         -   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at max speed (min)<br>Crossing time at treduced speed (min)<br>Time allowed for maneuvers over last. 15 mille (min)<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for maneuvers over first. 15 mille (min)<br>Crossing time at max speed (min)   | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>38.00<br>7.00<br>4.00<br>1.50 | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Xenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>33.00<br>7.00<br>4.00<br>1.50<br>11.68<br>8.14  | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>4.00<br>1.55<br>1.1.65<br>11.68<br>12.43  | Madison           8.20           7.40           0.50           35.00           35.00           35.00           35.00           7.00           4.00           1.50           1.50           1.269           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kammore LB-<br>Madison           8.20           7.40           0.50           38.00           7.00           4.00           1.50           1.50           1.50           1.50  | Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.57<br>2.57<br>3.00<br>30.11<br>6.97<br>Kenmore
LB-<br>Leschi<br>10.30<br>9.65<br>0.30<br>38.00<br>7.00<br>4.00<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>30.11<br>6.97<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>30.11<br>6.97<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50                    | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Konmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>15.74<br>2.57<br>2.57<br>3.00<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57                   | UW WAC<br>8.80<br>7.40<br>9.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>9.95<br>38.00<br>7.00<br>4.00<br>1.50<br>11.68<br>8.14   | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         35.00           7.00         1.269           12.69         12.43           2.50         3.00           36.11         0.00           36.11         5.81           Kenmore LP - UW (OD)           9.30         7.40           1.45         38.00           7.00         1.45           1.45         1.68           12.63         1.60  
  | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           12.69           4.29           2.50           3.00           27.97           0.00           27.97           7.51           Kenmore LP - Madison           8.35           7.40           0.50           38.00           7.00           1.58           1.68           4.29   | Leschi<br>10.45<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.55<br>1.554<br>2.57<br>3.00<br>30.11<br>0.00<br>30.11<br>0.01<br>30.11<br>0.37<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>7.00<br>4.00<br>30.11<br>0.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10   | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LE-Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>15.74<br>2.57  | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.98<br>Renton -<br>UW WAC<br>12.55<br>10.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1  | UW (OD)<br>13.05<br>10.95<br>2.00<br>35.00<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.8.77<br>17.14<br>4.52<br>Renton –<br>UW
(OD)<br>13.05<br>38.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.00<br>1.00<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.05<br>1.00<br>1.00<br>1.00<br>1.00<br>1.05<br>1.05<br>1.05<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00  | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           31.07           0.00           31.07           6.76           Renton - Madison           11.10           10.75           38.00           7.00           4.00           1.00           16.97           2.14  | Leschi<br>8.46<br>8.66<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.3.82<br>2.14<br>2.50<br>2.6.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>8.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.05<br>38.00<br>7.00<br>26.46<br>0.05<br>26.46<br>7.94<br>Renton –<br>Leschi<br>2.14<br>2.14<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.646<br>7.94<br>Renton –<br>Leschi<br>2.60<br>2.50<br>2.646<br>7.94<br>Renton –<br>2.60<br>2.60<br>2.50<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.60<br>2.70<br>2.70<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.       | Bellewue           7.32           6.97           0.25           35.00           35.00           7.22           35.00           7.25           35.00           7.26           7.27           3.00           2.14           2.50           3.00           2.459           0.00           24.59           8.54           Renton -           Bellewue           7.32           6.97           0.25           38.00           7.00           4.00           1.00           1.101  | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>4.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>0.00<br>27.25<br>7.71<br>Kirkland (MP) –<br>UW WAC<br>4.15<br>3.52<br>1.25<br>3.8.00<br>7.00<br>4.00<br>4.00<br>5.56<br>10.71   | UW (c0)<br>4,65<br>3,10<br>1,45<br>35,00<br>7,00<br>4,00<br>1,00<br>5,31<br>1,2,43<br>2,50<br>3,00<br>2,8,24<br>0,00<br>2,8,24<br>7,24<br>7,24<br>Kirkland (MP)-<br>2,8,24<br>7,44<br>Kirkland (MP)-<br>4,65<br>3,30<br>7,00<br>2,8,24<br>7,44<br>Kirkland (MP)-<br>4,65<br>3,800<br>7,00<br>7,00<br>4,00<br>1,00<br>4,00<br>7,00<br>2,8,24<br>7,44<br>7,44<br>7,44<br>7,44<br>7,44<br>7,44<br>7,44<br>7  
   | Madison         3.60           3.60         3.60           0.50         35.00           35.00         35.00           7.00         4.00           4.00         1.01           5.1         3.60           1.00         5.14           1.03         3.60           1.03         3.00           0.00         3.800           7.00         4.00           4.00         4.00           4.00         4.00           1.03         3.60           0.00         1.00           4.74         4.29                       | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>• Kirkland (MP)-<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>1.00<br>8.29<br>2.57   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.00<br>4.00<br>2.00<br>4.54<br>8.68<br>Kirkland (CP)<br>UW WAC<br>3.75<br>2.65<br>0.95<br>38.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.0 | UW (OD)<br>4 25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>4.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>7.38<br>Kirkland (CP) -<br>UW (OD)<br>4.25<br>2.65<br>1.45<br>3.8.00<br>7.00<br>4.00<br>2.00<br>4.18<br>3.8.00<br>7.00<br>4.18<br>3.8.00<br>7.00  
  | Madison           3.20           3.5           3.5           3.5           35.00           7.00           4.00           2.00           4.37           4.29           2.50           3.00           20.16           0.00           20.16           10.42           Kirkland (CP) - Madison           3.20           2.55           0.50           38.00           7.00           4.00           2.00           4.00           2.01  | Leschi<br>5.30<br>4.00<br>35.00<br>35.00<br>35.00<br>7.00<br>4.00<br>2.00<br>8.23<br>2.57<br>2.50<br>3.00<br>22.30<br>0.00<br>22.30<br>9.42<br>Kirkland (CP)-<br>Leschi<br>5.30<br>38.00<br>7.00<br>4.00<br>2.00<br>9.42<br>Kirkland (CP)-<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00           | UW WAC           4.87           3.52           1.25           35.00           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           3.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.01           38.00           38.00           7.00           1.50           5.56           10.71  | UW (OD)           5.37           3.52           1.75           35.00           7.00           4.00           1.50           6.03           15.00           2.50           32.03           0.00           32.03           6.56           Bellevue -           UW (OD)           3.52           1.75           38.00           7.00           4.00           1.50           5.56           15.00   
   | Madison           3.47           3.47           3.47           3.37           0.00           0.00           35.00           35.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78           0.00           16.78           0.00           16.78           3.00           3.00           3.37           0.00           38.00           7.00           4.00           1.50           5.32           0.00   | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>7.00<br>4.00<br>1.5.0<br>1.5.0<br>3.80<br>7.00<br>4.00<br>1.50<br>3.82<br>0.00<br>0.00<br>0.00<br>1.50<br>3.82<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.0 | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50               | Pier 50<br>5.80<br>5.80<br>5.30<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>5.80<br>5.30<br>0.50<br>38.00<br>7.00<br>4.29<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>38.00<br>7.00<br>4.29<br>5.30<br>0.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>38.00<br>7.00<br>8.30<br>4.29<br>4.29<br>4.29<br>4.29<br>5.30<br>5.30<br>5.30<br>5.30<br>5.30<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00         | st.U         st.u           3.40         3.40           3.40         3.40           0.50         7.00           7.00         7.00           7.00         1.50           4.01         2.9           3.00         40.14           0.00         40.14           5.23         SLU           3.40         2.90           0.50         7.00           7.00         1.50           4.29         3.60   |
| Route length (nautical milles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first .15 mille (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over last .15 mille (min)<br>Time allowed for passing Time<br>Margin for delay en route (% of crossing time)<br>Margin for delay en route (% of crossing time)<br>Number of Crossing Time<br>Route length (nautical milles)<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for maneuvers over first .15 mille (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over first .15 mille (min)  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>38.00<br>7.00<br>4.00<br>1.50 | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Xenmore LB-<br>UW WAC<br>7.40<br>0.95<br>38.00<br>7.00<br>1.50<br>1.68<br>8.14<br>2.50<br>38.00<br>7.00<br>1.50<br>1.68<br>8.14<br>2.50<br>38.00<br>7.00<br>1.50<br>1.50<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.68<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>1.50<br>1.57<br>4.00<br>1.50<br>1.50<br>1.50<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00   | Madison           8.20           7.40           0.50           35.00           35.00           35.00           7.00           4.00           1.50           1.26.69           4.29           27.97           0.00           27.97           7.51   |
Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>30.11<br>0.00<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>1.55<br>3.00<br>30.11<br>0.30<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.5 | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.57<br>4.57<br>2.57<br>2.57<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>30.00<br>30.00<br>2.57<br>2.57<br>3.00<br>30.00<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.07<br>30.00<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.06<br>30.00<br>30.06<br>30.06<br>30.00<br>30.06<br>30.00<br>30.00<br>30.06<br>30.00<br>30.00<br>30.00<br>30.06<br>30.00<br>30.00<br>30.06<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30.00<br>30  | UW WAC<br>8.80<br>7.40<br>9.95<br>35.00<br>7.00<br>4.00<br>1.50<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>9.95<br>38.00<br>7.00<br>4.00<br>1.50<br>1.68<br>8.14<br>2.50<br>38.00<br>7.00<br>4.00<br>1.50<br>1.68<br>8.14<br>2.50<br>3.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7. | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         35.00           4.00         1.50           12.69         12.69           12.69         12.63           36.11         0.00           36.11         5.81           Kenmore LP - UW (OD)         9.30           7.40         1.45           38.00         7.00           1.50         1.50           1.50         2.50           3.00         3.00  
   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           4.29           2.50           3.00           27.97           7.51           Kenmore LP – Madison           8.35           7.40           0.50           38.00           7.00           1.50           1.50           1.50           2.50           3.00  | Leschi<br>10.45<br>9.65<br>0.30<br>10.50<br>15.00<br>1.50<br>1.50<br>1.57<br>2.50<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>38.00<br>7.00<br>4.00<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>3.00<br>2.54<br>2.57<br>2.50<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.57<br>2.50<br>3.00<br>2.55<br>2.57<br>2.50<br>3.00<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.5         | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.57<br>4.00<br>1.57<br>2.57<br>2.57<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.72<br>9.97<br>0.30<br>30.06<br>6.85<br>Kenmore LB-Bellevue<br>10.72<br>9.97<br>0.30<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3 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WAC<br>12:55<br>10:95<br>1:50<br>35:00<br>7:00<br>4:00<br>1:00<br>1:07<br>12:86<br>2:50<br>3:00<br>42:13<br>0:00<br>42:13<br>0:00<br>42:13<br>12:55<br>10:95<br>1:50<br>38:00<br>7:00<br>4:00<br>1:255<br>10:95<br>1:50<br>38:00<br>7:00<br>4:00<br>1:255<br>10:95<br>1:50<br>38:00<br>7:00<br>4:00<br>1:255<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50 | UW (00)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.8.77<br>17.14<br>2.50<br>3.00<br>46.41<br>4.52<br>Renton –<br>UW
(00)<br>13.05<br>10.95<br>2.00<br>38.00<br>7.00<br>46.41<br>4.52<br>2.00<br>38.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1. | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           31.07           0.00           31.07           6.76           Renton -           Madison           11.10           10.75           38.00           7.00           4.00           1.00           16.97           2.14           2.50           3.00                                | Leschi<br>8.46<br>8.66<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.3.82<br>2.14<br>2.50<br>3.00<br>26.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>8.46<br>0.25<br>38.00<br>7.00<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.46<br>0.02<br>26.30<br>0.02<br>26.46<br>0.02<br>26.30<br>0.02<br>26.40<br>0.02<br>26.30<br>0.02<br>26.40<br>0.02<br>26.40<br>0.02<br>26.40<br>0.02<br>26.40<br>0.02<br>26.40<br>0.02<br>26.40<br>0.02<br>26.40<br>0.25<br>26.40<br>0.25<br>26.40<br>27.40<br>2.14<br>2.14<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.5                     | Bellewue           7.32           6.97           0.25           35.00           7.32           9.79           0.25           35.00           7.02           35.00           7.02           35.00           7.22           3.00           24.59           0.00           24.59           8.54           Renton -           Bellewue           7.32           6.97           0.25           38.00           7.02           38.00           7.02           3.00           1.00           1.101           2.14         | UW WACC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>7.71<br>Kirkland (MP) –<br>UW WAC<br>4.15<br>3.52<br>1.25<br>38.00<br>7.00<br>7.00<br>8.55<br>10.71<br>2.50<br>38.00<br>7.00   | UW (cb)            4.65         4.61           3.10         1.45           1.45         55.00           7.00         1.00           5.31         1.243           2.50         3.00           2.824            0.00         28.24           7.44            Kirkland (MP)         4.65           3.10         1.45           1.45         3.00           7.00         4.65           3.00         7.00           4.89         1.243           1.00         4.89           1.24.33.00   
   | Madison         3.60           3.60         3.60           0.50         35.00           35.00         35.00           35.00         35.00           7.00         4.00           1.00         5.14           9.300         19.93           0.00         19.93           10.54         10.54           Kirkland (MP)         3.60           3.00         3.00           0.00         38.00           7.00         4.00           1.00         4.74           4.29         2.50                                  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>• Kirkland (MP)-<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>1.00<br>8.29<br>2.57   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.200<br>4.54<br>4.54<br>4.54<br>4.54<br>4.54<br>2.50<br>3.00<br>24.19<br>0.00<br>24.19<br>8.68<br>Kirkland (CP)<br>UW WAC<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.00<br>7.00<br>2.00<br>0.00<br>2.01<br>0.05<br>3.00<br>7.00<br>2.01<br>0.05<br>3.00<br>7.00<br>2.01<br>0.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>4.19<br>0.00<br>2.05<br>3.75<br>3.75<br>3.75<br>3.75<br>3.80<br>7.05<br>3.80<br>7.05<br>3.75<br>3.80<br>7.05<br>3.80<br>7.05<br>3.75<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5<br>7.   | UW (OD)<br>4 25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>7.38<br>Kirkland (CP) –<br>UW (OD)<br>4.25<br>2.65<br>1.45<br>38.00<br>7.00<br>7.00<br>4.00<br>2.00<br>4.18<br>38.00<br>7.00<br>7.00<br>4.00<br>2.00<br>4.18<br>3.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00  
  | Madison           3.20           3.5           3.5           3.5           35.00           7.00           2.01           2.01           0.00           20.16           10.02           20.16           3.20           2.55           3.50           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           3.50           38.00           7.00           4.03           4.03           4.29           2.50           3.00                                  | Lesch<br>5-30<br>5-30<br>5-30<br>5-30<br>5-30<br>5-30<br>0.00<br>2-20<br>4-00<br>2-230<br>0.00<br>2-2.30<br>0.00<br>2-2.30<br>0.00<br>2-2.30<br>0.00<br>2-2.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.35<br>0.35<br>0.30<br>0.35<br>0.35<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0. | UW WAC           4.87           3.52           1.25           35.00           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           3.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.01           38.00           38.00           7.00           1.50           5.56           10.71  | UW (OD)           5.37           3.52           1.75           35.00           7.00           4.00           1.50           6.03           15.00           2.50           32.03           0.00           32.03           6.56           Bellevue -           UW (OD)           5.37           3.52           1.75           38.00           7.00           4.00           1.50           5.56           15.00           2.50           3.00  
   | Madison           3.47           3.47           3.47           3.47           3.47           3.47           0.00           55.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78           0.00           16.78           12.52           Bellevue -           Madison           3.47           0.00           3.60           7.00           3.800           7.00           3.800           7.00           3.800           7.00           3.60 | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>38.00<br>7.00<br>4.00<br>15.15<br>13.86   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>3.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>5.90<br>Des Moines -<br>Pier 50<br>10.35<br>9.35<br>1.00<br>3.00<br>7.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00 | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>5.80<br>5.80<br>5.80<br>5.80<br>7.00<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>3.80<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00   | st.U         st.u           3.40         3.40           2.90         0.50           0.50         7.00           7.00         7.00           1.50         1.50           2.86         4.29           2.50         3.00           40.14         0.00           40.14         5.23           Ballard (24th)-         5.10           3.40         2.90           0.50         7.00           7.00         1.50           1.50         2.86           4.29         2.50           3.00         3.00  |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for maneuvers over first 1.5 mile (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over last 1.5 mile (min)<br>Route length at reduced speed<br>Route length at reduced speed<br>Route length at reduced speed<br>Route length at reduced speed<br>Imme allowed for maneuvers over first 1.5 mile (min)<br>Crossing time at max speed (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuvers over first 1.5 mile (min)  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>38.00<br>7.00<br>4.00<br>1.50 | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>8.14<br>2.50<br>31.83<br>0.00<br>31.83<br>6.60<br>Xenmore LB-<br>UW WAC<br>7.40<br>0.95<br>38.00<br>7.00<br>1.50<br>1.68<br>8.14<br>2.50<br>38.00<br>7.00<br>1.50<br>1.68<br>8.14<br>2.50<br>38.00<br>7.00<br>1.50<br>1.50<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.68<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.69<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68<br>1.68   | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>0.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>1.45<br>38.00<br>7.00<br>1.50<br>1.57<br>4.00<br>1.50<br>1.50<br>1.50<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00   | Madison           8.20           7.40           0.50           35.00           35.00           35.00           7.00           4.00           1.50           1.26.69           4.29           27.97           0.00           27.97           7.51   |
Leschi<br>10.30<br>9.65<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>30.11<br>0.00<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>30.11<br>0.30<br>1.55<br>3.00<br>30.11<br>0.30<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.5 | Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.57<br>9.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.57<br>2.50<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3        | UW WAC<br>8.80<br>7.40<br>9.95<br>35.00<br>7.00<br>4.00<br>1.50<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LP –<br>UW WAC<br>8.80<br>7.40<br>9.95<br>38.00<br>7.00<br>4.00<br>1.50<br>1.68<br>8.14<br>2.50<br>38.00<br>7.00<br>4.00<br>1.50<br>1.68<br>8.14<br>2.50<br>3.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7. | UW (OD)         9.30           9.30         7.40           1.45         35.00           7.00         35.00           4.00         1.50           12.69         12.69           12.69         12.63           36.11         0.00           36.11         5.81           Kenmore LP - UW (OD)         9.30           7.40         1.45           38.00         7.00           1.50         1.50           1.50         2.50           3.00         3.00  
   | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           4.29           2.50           3.00           27.97           7.51           Kenmore LP – Madison           8.35           7.40           0.50           38.00           7.00           1.50           1.50           1.50           2.50           3.00  | Leschi<br>10.45<br>9.65<br>0.30<br>10.50<br>15.00<br>1.50<br>1.50<br>1.57<br>2.50<br>30.11<br>0.00<br>30.11<br>6.97<br>Kenmore LP -<br>Leschi<br>10.45<br>9.65<br>0.30<br>38.00<br>7.00<br>4.00<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>38.00<br>7.00<br>1.54<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.11<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>30.01<br>1.54<br>2.57<br>2.50<br>3.00<br>2.54<br>2.57<br>2.50<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.55<br>3.00<br>2.55<br>2.57<br>2.50<br>3.00<br>2.55<br>2.57<br>2.50<br>3.00<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.5         | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>17.09<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.57<br>4.00<br>1.57<br>2.57<br>2.57<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.72<br>9.97<br>0.30<br>30.06<br>6.85<br>Kenmore LB-Bellevue<br>10.72<br>9.97<br>0.30<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3 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WAC<br>12:55<br>10:95<br>1:50<br>35:00<br>7:00<br>4:00<br>1:00<br>1:07<br>12:86<br>2:50<br>3:00<br>42:13<br>0:00<br>42:13<br>0:00<br>42:13<br>12:55<br>10:95<br>1:50<br>38:00<br>7:00<br>4:00<br>1:255<br>10:95<br>1:50<br>38:00<br>7:00<br>4:00<br>1:255<br>10:95<br>1:50<br>38:00<br>7:00<br>4:00<br>1:255<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50<br>1:50 | UW (00)<br>13.05<br>10.95<br>2.00<br>35.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.8.77<br>17.14<br>2.50<br>3.00<br>46.41<br>4.52<br>Renton –<br>UW
(00)<br>13.05<br>10.95<br>2.00<br>38.00<br>7.00<br>46.41<br>4.52<br>2.00<br>38.00<br>7.00<br>4.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1. | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           31.07           0.00           31.07           6.76           Renton -           Madison           11.10           10.75           38.00           7.00           4.00           1.00           16.97           2.14           2.50           3.00                                | Leschi<br>8.46<br>8.66<br>0.25<br>35.00<br>7.00<br>4.00<br>1.00<br>1.3.82<br>2.14<br>2.50<br>3.00<br>26.46<br>7.94<br>Renton –<br>Leschi<br>8.46<br>8.66<br>0.25<br>38.00<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.45<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton –<br>Leschi<br>8.46<br>0.25<br>7.94<br>Renton –<br>Leschi<br>8.40<br>7.94<br>Renton –<br>Leschi<br>8.40<br>7.94<br>Renton –<br>Leschi<br>8.40<br>7.94<br>Renton –<br>1.00<br>1.00<br>7.00<br>7.94<br>Renton –<br>1.00<br>7.94<br>Renton –<br>1.00<br>7.00<br>7.00<br>7.94<br>Renton –<br>8.46<br>8.46<br>7.94<br>8.40<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7                   | Bellewue           7.32           6.97           0.25           35.00           7.32           9.79           0.25           35.00           7.02           35.00           7.02           35.00           7.22           3.00           24.59           0.00           24.59           8.54           Renton -           Bellewue           7.32           6.97           0.25           38.00           7.02           38.00           7.02           3.00           1.00           1.101           2.14         | UW WACC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>1.00<br>6.03<br>10.71<br>2.50<br>3.00<br>27.25<br>7.71<br>Kirkland (MP) –<br>UW WAC<br>4.15<br>3.52<br>1.25<br>38.00<br>7.00<br>7.00<br>8.55<br>10.71<br>2.50<br>38.00<br>7.00   | UW (cb)            4.65         4.61           3.10         1.45           1.45         55.00           7.00         1.00           5.31         1.243           2.50         3.00           2.824            0.00         28.24           7.44            Kirkland (MP)         4.65           3.10         1.45           1.45         3.00           7.00         4.65           3.00         7.00           4.89         1.243           1.00         4.89           1.24.33.00   
   | Madison         3.60           3.60         3.60           0.50         35.00           35.00         35.00           35.00         35.00           7.00         4.00           1.00         5.14           9.300         19.93           0.00         19.93           10.54         10.54           Kirkland (MP)         3.60           3.00         3.00           0.00         38.00           7.00         4.00           1.00         4.74           4.29         2.50                                  | Leschi<br>5.70<br>5.25<br>0.30<br>35.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>2.50<br>3.00<br>22.07<br>0.00<br>22.07<br>9.51<br>• Kirkland (MP)-<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>1.00<br>8.29<br>2.57   | UW WAC<br>3.75<br>2.65<br>0.95<br>35.00<br>7.00<br>4.00<br>4.200<br>4.54<br>4.54<br>4.54<br>4.54<br>4.54<br>2.50<br>3.00<br>24.19<br>0.00<br>24.19<br>8.68<br>Kirkland (CP)<br>UW WAC<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>2.65<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.75<br>0.95<br>3.00<br>7.00<br>2.00<br>0.00<br>2.01<br>0.05<br>3.00<br>7.00<br>2.01<br>0.05<br>3.00<br>7.00<br>2.01<br>0.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>4.19<br>0.00<br>2.05<br>3.75<br>3.75<br>3.75<br>3.75<br>3.80<br>7.05<br>3.80<br>7.05<br>3.75<br>3.80<br>7.05<br>3.80<br>7.05<br>3.75<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.80<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>3.00<br>7.05<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5<br>7.5<br>7.   | UW (OD)<br>4 25<br>2.65<br>1.45<br>35.00<br>7.00<br>4.00<br>2.00<br>4.00<br>2.00<br>4.54<br>12.43<br>2.50<br>3.00<br>28.47<br>7.38<br>Kirkland (CP) –<br>UW (OD)<br>4.25<br>2.65<br>1.45<br>38.00<br>7.00<br>7.00<br>4.00<br>2.00<br>4.18<br>38.00<br>7.00<br>7.00<br>4.00<br>2.00<br>4.18<br>3.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00  
  | Madison           3.20           3.5           3.5           3.5           35.00           7.00           2.01           2.01           0.00           20.16           10.02           20.16           3.20           2.55           3.50           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           3.50           38.00           7.00           4.03           4.03           4.29           2.50           3.00                                  | Lesch<br>5-30<br>5-30<br>5-30<br>5-30<br>5-30<br>5-30<br>0.00<br>2-20<br>4-00<br>2-230<br>0.00<br>2-2.30<br>0.00<br>2-2.30<br>0.00<br>2-2.30<br>0.00<br>2-2.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.35<br>0.35<br>0.30<br>0.35<br>0.35<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0.30<br>0. | UW WAC           4.87           3.52           1.25           35.00           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           35.01           3.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.00           27.75           0.01           38.00           38.00           7.00           1.50           5.56           10.71  | UW (OD)           5.37           3.52           1.75           35.00           7.00           4.00           1.50           6.03           15.00           2.50           32.03           0.00           32.03           6.56           Bellevue -           UW (OD)           5.37           3.52           1.75           38.00           7.00           4.00           1.50           5.56           15.00           2.50           3.00  
   | Madison           3.47           3.47           3.47           3.47           3.47           3.47           0.00           55.00           7.00           4.00           1.50           5.78           0.00           2.50           3.00           16.78           0.00           16.78           12.52           Bellevue -           Madison           3.47           0.00           3.60           7.00           3.800           7.00           3.800           7.00           3.800           7.00           3.60 | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>4.15<br>0.00<br>2.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>38.00<br>7.00<br>4.00<br>15.15<br>13.86   | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>3.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>5.90<br>Des Moines -<br>Pier 50<br>10.35<br>9.35<br>1.00<br>3.00<br>7.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00 | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>5.80<br>5.80<br>5.80<br>5.80<br>7.00<br>4.29<br>2.50<br>3.00<br>24.37<br>8.62<br>Ballard Marina<br>-Pier 50<br>3.80<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00   | st.U         st.u           3.40         3.40           2.90         0.50           0.50         7.00           7.00         7.00           1.50         1.50           2.86         4.29           2.50         3.00           40.14         0.00           40.14         5.23           Ballard (24th)-         5.10           3.40         2.90           0.50         7.00           7.00         1.50           1.50         2.86           4.29         2.50           3.00         3.00  |
| Route length (nautical miles)<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Reduced Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuers over first .15 mile (min)<br>Crossing time at max speed (min)<br>Time allowed for maneuers over last .15 mile (min)<br>Total Crossing Time<br>Margin for delay en route (% of crossing time)<br>Margin for Delay Crossing Time<br>Number of Crossing Time<br>Route length at max speed<br>Route length at max speed<br>Route length at reduced speed<br>Max Speed (knots)<br>Time allowed for passenger loading (min)<br>Time allowed for maneuers over last .15 mile (min)<br>Crossing time at max speed<br>(min)<br>Time allowed for maneuers over last .15 mile (min)<br>Time allowed for maneuers over last .15 mile (mi  | 0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>2.50<br>3.00<br>0%<br>210<br>Base Assumption<br>38.00<br>7.00<br>4.00<br>1.50 | UW WAC<br>8.65<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.269<br>3.00<br>31.83<br>0.00<br>31.83<br>6.60<br>Kenmore LB-<br>UW WAC<br>8.65<br>7.40<br>0.95<br>8.65<br>7.40<br>0.95<br>8.65<br>7.40<br>0.95<br>8.65<br>7.40<br>0.95<br>8.65<br>7.40<br>0.95<br>8.65<br>7.40<br>0.95<br>8.65<br>7.40<br>0.00<br>1.50<br>1.68<br>8.14<br>2.50<br>3.00<br>31.83<br>0.00<br>1.50<br>1.50<br>1.69<br>1.69<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.83<br>0.00<br>1.83<br>1.83<br>0.00<br>1.50<br>1.65<br>7.40<br>0.95<br>8.65<br>7.40<br>0.95<br>8.60<br>7.40<br>0.95<br>8.50<br>7.40<br>0.95<br>8.60<br>7.40<br>0.95<br>8.60<br>7.40<br>0.95<br>8.60<br>7.40<br>0.95<br>8.60<br>7.40<br>0.95<br>8.60<br>7.40<br>0.95<br>8.60<br>7.40<br>0.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3. | UW (OD)<br>9.15<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>12.69<br>12.43<br>2.50<br>3.00<br>36.11<br>5.81<br>Kenmore LB-<br>UW (OD)<br>9.15<br>7.40<br>14.5<br>38.00<br>7.00<br>4.00<br>1.58<br>1.45<br>38.00<br>7.00<br>4.00<br>1.59<br>1.45<br>38.00<br>7.00<br>4.00<br>1.55<br>1.68<br>12.43<br>3.00<br>7.00<br>9.15<br>7.40<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.65<br>1.6  | Madison           8.20           7.40           0.50           35.00           7.00           0.50           4.00           1.50           12.69           2.50           3.00           27.97           7.81           Kenmora LB-<br>Madison           8.20           7.00           0.50           38.00           7.00           4.00           1.168           4.29           2.50           3.00           7.00           2.50           2.50           3.00           7.00           2.50           3.00           7.00           2.50           3.00           2.50           3.00           2.50           3.00           2.50           3.00           2.50           3.00           3.00           2.50           3.00           3.00           3.00           3.00 | Leschi<br>10.30<br>9.65<br>0.30<br>0.30<br>15.00<br>7.00<br>15.54<br>2.57<br>2.50<br>30.01<br>0.00<br>30.11<br>6.97<br>Kenmore LB-<br>Leschi<br>10.30<br>9.65<br>0.30<br>38.00<br>7.00<br>4.00<br>10.54<br>2.57<br>2.55<br>3.00<br>38.00<br>7.00<br>4.00<br>10.54<br>2.57<br>2.55<br>3.00<br>38.00<br>7.00<br>4.00<br>10.54<br>2.57<br>2.57<br>2.50<br>3.00<br>38.00<br>7.00<br>4.00<br>10.54<br>2.57<br>2.57<br>2.50<br>3.00<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57<br>2.57      |
Bellevue<br>10.57<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>2.57<br>3.00<br>30.66<br>6.85<br>Kenmore LB-Bellevue<br>10.57<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.57<br>9.97<br>0.30<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>8.85<br>1.57<br>1.57<br>1.57<br>1.50<br>1.57<br>1.57<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.50<br>1.00<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.50<br>1.00<br>1.57<br>1.57<br>1.57<br>1.50<br>1.00<br>1.57<br>1.57<br>1.50<br>1.00<br>1.57<br>1.57<br>1.57<br>1.50<br>1.50<br>1.57<br>1.57<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.5      | UW WAC<br>8.80<br>7.40<br>0.95<br>35.00<br>7.00<br>4.00<br>1.50<br>1.2.69<br>8.14<br>2.50<br>3.00<br>31.83<br>6.60<br>Kenmore LP -<br>UW WAC<br>8.80<br>7.40<br>0.05<br>38.00<br>7.40<br>1.50<br>1.69<br>8.14<br>2.50<br>38.00<br>7.00<br>4.00<br>1.50<br>1.69<br>8.14<br>5.00<br>7.00<br>8.14<br>6.60<br>8.14<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.40<br>7.50<br>7.40<br>7.40<br>7.50<br>7.50<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00     | UW (OB)<br>9.30<br>7.40<br>1.45<br>35.00<br>7.00<br>4.00<br>1.50<br>12.43<br>3.00<br>36.11<br>5.81<br>Kenmore LP -<br>UW (OD)<br>9.30<br>7.43<br>38.00<br>7.445<br>38.00<br>7.40<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50         | Madison           8.35           7.40           0.50           35.00           7.00           4.00           1.50           2.00           2.00           2.00           27.97           7.51           Kenmore LP -<br>Madison           8.35           7.40           0.50           38.00           7.50           4.00           1.50           1.50           1.50           3.00           2.50           3.00           2.50           3.00           2.50           3.00           2.50           0.00 | Leschi<br>10.45<br>9.65<br>0.30<br>15.04<br>4.00<br>1.50<br>4.00<br>1.50<br>4.00<br>1.50<br>3.0.11<br>6.97<br>Kenmore LP
-<br>Leschi<br>10.45<br>9.65<br>0.30<br>30.11<br>0.05<br>4.00<br>10.45<br>9.65<br>0.30<br>30.11<br>0.45<br>9.65<br>0.30<br>10.45<br>9.65<br>0.30<br>10.45<br>9.65<br>0.30<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45<br>10.45   | Bellevue<br>10.72<br>9.97<br>0.30<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>2.57<br>2.50<br>3.00<br>30.66<br>6.85<br>Kenmore LB-<br>Bellevue<br>10.72<br>9.97<br>0.30<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>1.50<br>30.66<br>6.85<br>Kenmore LB-<br>Bellevue<br>10.72<br>9.97<br>0.30<br>3.00<br>7.00<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.57<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.50<br>1.      | UW WAC<br>12.55<br>10.95<br>1.50<br>35.00<br>7.00<br>4.00<br>1.00<br>18.77<br>12.86<br>2.50<br>3.00<br>42.13<br>4.98<br>Renton –<br>UW WAC<br>12.55<br>10.95<br>1.50<br>38.00<br>7.00<br>4.00<br>1.255<br>1.50<br>38.00<br>7.00<br>4.00<br>1.255<br>1.50<br>38.00<br>7.00<br>4.00<br>1.255<br>1.50<br>38.00<br>7.00<br>4.00<br>1.255<br>1.50<br>38.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>7.00<br>4.00<br>1.255<br>1.50<br>3.00<br>4.00<br>1.255<br>1.50<br>3.00<br>4.00<br>4.00<br>4.035<br>1.50<br>3.00<br>4.00<br>4.035<br>1.50<br>3.00<br>4.00<br>4.00<br>4.035<br>1.50<br>3.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>4.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00      | UW (OD)           13.05           13.05           13.05           2.00           2.00           35.00           7.00           45.01           2.00           3.00           3.00           46.41           4.52           Renton -           UW (OD)           13.05           2.00           3.00           3.00           3.00           4.00           1.005           3.00           4.00           1.005           3.00           4.00           1.005           3.00           4.00           1.005           3.00           4.00           1.005           3.00           4.493           0.00   
   | Madison           11.10           10.75           0.25           35.00           7.00           4.00           1.00           18.43           2.14           2.50           3.00           31.07           0.00           31.07           6.76           Renton -           Madison           11.10           10.75           38.00           7.00           4.00           16.97           2.14           2.50           3.00           29.62           0.00 | Leschi<br>8.46<br>8.46<br>0.25<br>3.00<br>7.00<br>1.3.82<br>2.14<br>2.50<br>2.6.46<br>0.00<br>26.46<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.00<br>26.46<br>7.94<br>Renton -<br>Leschi<br>8.46<br>0.25<br>3.00<br>2.14<br>2.53<br>3.00<br>2.64<br>7.94<br>2.54<br>3.00<br>2.54<br>7.94<br>2.54<br>3.00<br>2.54<br>7.94<br>2.54<br>3.00<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.54<br>7.94<br>2.55<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.94<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00 | Bellevue           7.32           6.97           0.25           35.00           7.32           4.00           1.00           1.195           2.14           2.50           2.00           24.59           8.54           Renton -           Bellevue           7.32           6.37           0.25           38.00           7.00           4.00           1.100           1.1101           2.14           2.50           3.00           20.25           3.00           23.65           0.00                        | UW WAC<br>4.15<br>3.52<br>1.25<br>35.00<br>7.00<br>4.00<br>1.00<br>6.03<br>10.71<br>2.7.25<br>7.71<br>Kirkland (MP) -<br>UW WAC<br>4.15<br>3.52<br>7.71<br>Kirkland (MP) -<br>UW WAC<br>4.15<br>3.52<br>3.52<br>1.25<br>3.52<br>1.25<br>3.50<br>7.00<br>4.00<br>1.00<br>5.56<br>1.07<br>1.00<br>5.56<br>1.07<br>1.00<br>1.00<br>5.56<br>1.07<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.55<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.25<br>1.00<br>1.00<br>1.00<br>1.55<br>1.00<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.55<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.55<br>1.00<br>1.00<br>1.00<br>1.55<br>1.00<br>1.00<br>1.00<br>1.55<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.55<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.55<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.55<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00             | UW (cb)         UW (cb)           4.65         4.67           4.61         4.67           3.10         1.45           1.45         5.00           7.00         4.00           1.00         5.31           1.2.43         2.824           7.44         7.44           0.00         28.24           7.44         4.65           3.80.00         7.00           4.00         1.045           3.80.00         7.00           4.00         1.00           1.2.43         2.450           3.00         2.00           4.00         1.00           1.02         2.782           0.00         2.782   | Madison         3.60           3.60         3.60           0.50         5.00           7.00         4.00           1.00         5.14           4.29      
  2.50           3.00         19.93           10.54         19.93           10.54         19.93           Kirkland (MP) - Madison         3.60           3.00         5.03           4.00         1.00           4.00         1.00           4.00         1.00           4.00         1.00           4.00         1.00           10.52         0.00 | Leschi<br>5.70<br>5.25<br>0.30<br>25.00<br>7.00<br>4.00<br>1.00<br>9.00<br>2.57<br>3.00<br>22.07<br>9.51<br>Kirkland (MP) –<br>Leschi<br>5.70<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>1.00<br>9.51<br>5.25<br>0.30<br>38.00<br>7.00<br>4.00<br>1.00<br>8.29<br>2.57<br>3.00<br>1.00<br>8.29<br>2.57<br>3.00<br>1.00<br>8.29<br>2.57<br>3.00<br>1.00<br>8.29<br>2.57<br>3.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.136<br>0.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00<br>1.00 | UW WAC<br>3.75<br>2.65<br>0.95<br>3.5.00<br>7.00<br>4.00<br>4.00<br>4.00<br>4.54<br>4.14<br>2.50<br>3.00<br>24.19<br>8.66<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>2.65<br>3.00<br>24.19<br>8.60<br>Kirkland (CP)-<br>UW WAC<br>3.75<br>2.65<br>3.00<br>4.00<br>2.4.19<br>8.60<br>X.75<br>3.75<br>3.00<br>2.4.19<br>8.60<br>X.75<br>3.75<br>3.00<br>2.4.19<br>8.60<br>X.75<br>3.75<br>3.00<br>2.4.19<br>3.75<br>3.00<br>2.4.19<br>3.75<br>3.00<br>2.4.19<br>8.60<br>X.75<br>3.75<br>3.00<br>2.4.19<br>3.75<br>3.00<br>2.4.19<br>3.75<br>3.00<br>2.4.19<br>3.65<br>3.00<br>2.4.19<br>3.75<br>3.00<br>2.4.19<br>3.75<br>3.00<br>3.75<br>3.00<br>3.75<br>3.00<br>3.00<br>3.75<br>3.00<br>3.75<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.00<br>5.             | UW (OD)<br>4 (25)<br>4 (25)<br>4 (25)<br>1 (45)<br>3 (5,00)<br>7 (00)<br>4 (00)<br>2 (2,00)<br>4 (25)<br>2 (2,00)<br>2 (2,00)<br>2 (2,00)<br>2 (2,00)<br>4 (25)<br>2 (2,65)<br>1 (45)<br>3 (2,00)<br>4 (25)<br>2 (2,65)<br>1 (45)<br>3 (2,00)<br>4 (25)<br>2 (2,65)<br>1 (45)<br>3 (2,00)<br>4 (2,00)<br>4 (2,00)<br>4 (2,00)<br>4 (2,00)<br>2 (2,00)<br>4 (2,00)<br>2 (2,00)<br>4 (2,00)<br>2 (   | Madison           3.20           3.55           0.50           35.00           7.00           4.00           2.00           4.20           4.20           2.016           0.00           20.16           10.42           Kirkland (CP) – Madison           3.20           2.55           0.50           38.00           7.00           4.03           4.29           2.50           3.00           2.00           4.03           4.29           2.50           3.00           9.81           0.00   | Leschi<br>5-30<br>5-30<br>4-80<br>0-30<br>0-30<br>0-30<br>0-30<br>8-23<br>2-57<br>2-57<br>2-57<br>2-57<br>2-57<br>2-2-30<br>9-42<br>8-22<br>8-22<br>8-22<br>8-22<br>8-22<br>8-22<br>8-22<br>8  | UW WAC<br>487<br>487<br>1.25<br>3.00<br>7.00<br>4.00<br>1.50<br>6.03<br>0.07<br>1.07<br>1.25<br>3.00<br>27.75<br>7.57<br><b>Bellevue</b><br>UW WAC<br>4.87<br>3.50<br>4.87<br>3.50<br>5.56<br>5.56<br>10.71<br>2.50<br>3.00<br>27.27<br>0.00   
   | UW (OD)<br>5.37<br>3.52<br>1.75<br>35.00<br>7.00<br>4.00<br>1.50<br>6.03<br>15.00<br>32.03<br>32.03<br>32.03<br>32.03<br>6.56<br>Bellavue –<br>UW (OD)<br>5.37<br>3.52<br>1.75<br>38.00<br>7.00<br>4.00<br>1.50<br>5.57<br>3.52<br>1.75<br>38.00<br>7.00<br>4.00<br>1.50<br>5.57<br>3.52<br>3.52<br>1.75<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.55<br>3.52<br>3.52<br>3.52<br>3.52<br>3.52<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.00<br>3.55<br>3.00<br>3.55<br>3.00<br>3.55<br>3.00<br>3.55<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.00<br>3.05<br>3.00<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.00<br>3.05<br>3.00<br>3.00<br>3.05<br>3.00<br>3.05<br>3.00<br>3.00<br>3.05<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00 | Madison           3.47           3.47           3.47           3.47           3.47           3.47           3.47           0.00           55.00           7.50           5.78           9.00           5.78           0.00           2.50           3.47           0.00           16.78           12.52           Bellovue -           Madison           3.47           0.00           8.00           7.00           4.00           1.52           0.250           2.50           3.00           16.32                  | Leschi<br>2.57<br>2.42<br>0.00<br>35.00<br>7.00<br>4.00<br>1.50<br>3.00<br>15.15<br>13.86<br>Bellevue –<br>Leschi<br>2.57<br>2.42<br>0.00<br>38.00<br>7.00<br>38.00<br>7.00<br>4.00<br>15.15<br>13.86<br>Deschi<br>2.57<br>2.42<br>0.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>38.00<br>7.00<br>15.15<br>13.86<br>Deschi<br>2.57<br>2.42<br>0.00<br>38.00<br>7.00<br>15.15<br>13.86<br>Deschi<br>15.15<br>13.86<br>Deschi<br>15.00<br>15.15<br>13.86<br>Deschi<br>15.00<br>15.15<br>15.15<br>13.86<br>Deschi<br>15.00<br>15.15<br>15.15<br>13.86<br>Deschi<br>15.00<br>15.15<br>15.15<br>13.86<br>Deschi<br>15.00<br>15.15<br>15.15<br>13.86<br>Deschi<br>15.00<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15<br>15.15  | Pier 50<br>10.35<br>9.35<br>1.00<br>35.00<br>7.00<br>4.00<br>1.50<br>1.50<br>1.50<br>1.50<br>3.60<br>0.00<br>35.60<br>0.00<br>35.60<br>0.00<br>35.60<br>5.90<br>Des Moines -<br>Pier
50<br>10.35<br>9.35<br>1.00<br>3.00<br>7.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>7.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00<br>3.00 | Pier 50<br>5.80<br>5.80<br>0.50<br>35.00<br>7.00<br>4.00<br>1.50<br>9.09<br>4.29<br>24.37<br>8.62<br>Ballard Marina<br>Pier 50<br>5.80<br>5.80<br>5.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.00<br>1.50<br>38.00<br>7.00<br>4.29<br>24.37<br>8.62<br>5.30<br>0.50<br>38.00<br>7.00<br>4.00<br>1.50<br>5.30<br>0.50<br>38.00<br>7.00<br>4.29<br>5.30<br>0.50<br>38.00<br>7.00<br>4.29<br>5.30<br>0.50<br>38.00<br>7.00<br>4.29<br>5.30<br>0.50<br>38.00<br>7.00<br>4.29<br>5.30<br>0.50<br>38.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.00<br>7.0 | st.U         -           3.40         -           3.40         -           2.90         -           0.50         -           7.00         -           7.00         -           4.00         -           1.50         -           24.86         -           4.29         -           2.50         -           3.00         -           40.14         -           5.23         -           Ballard (24th)-         -           SLU         -           3.40         -           2.90         -           7.00         -           4.00         1.50           2.4.86         -           4.29         -           2.50         -           3.00         -           40.14         - |

# Attachment E

Route Competitiveness and Accessibility Data

## Route Competitiveness and Accessibility 14561 Site: Kenmore - Log Boom Park

Site: Kenmore - Log Boom Park POF and Connection to Seattle/Bellevue Travel Time, Seat Changes, and Fare

UW: Wa	shington At	hletic Ce	nter								
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)			Arrive	(min)	Total Fare	Seattle	Changes	Comments
			, í	Light Rail	from Unive	ersity Link	Station to				
POF						ation Down		Summary	of Route		
AM			31.828571	AM	7:44		10			3	
	I from Univer	eity Link S									
0	ty Street Stat			POF				Summary	of Route		
PM	5:00			PM	1	1	31.8285714		54.83	3	
	eanography		10	1 101			01.0200714	ψ 4.75	04.00		
• • • • •		2000	[				[	I	Total Travel	L	
			Traval Time				Trough Time			Seat	
	<b>.</b> .	<b>.</b> .	Travel Time		<b>.</b> .		Travel Time	<del>.</del>	Time to/from		<b>a</b> 1
	Depart	Arrive	(min)	Linkt Dail		Arrive	(min)	Total Fare	Seattle	Changes	Comments
DOF				0		ersity Link		Cummer	of Douto		
POF AM			36.114286		Street Sta 7:44	ation Down 7:54	town 10	Summary \$ 4.75		3	
	I			AM	7:44	7:54	10	\$ 4.75	67.11	3	
	I from Univer							_			
	ty Street Stat			POF	1	1		Summary			
PM	5:00	5:10	10	PM			36.1142857	\$ 4.75	67.11	3	
Madiso	n Park		T		r	1	r			•	1
									Total Travel		
	_		Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)	D (F	Depart	Arrive	(min)	Total Fare	Seattle	Changes	Comments
				Bus/Expre		m Madiso	n Park to	~	( <b>-</b> )		
POF	1	-		Downtown				Summary			
AM		N4 12	27.971429	АМ	7:22	7:47	25	\$ 4.75	61.97	3	Metro RT 11
	ress Bus from	n Madisor	n Park to					~	( <b>-</b> )		
Downtow		E: 45	04	POF	r		07 074 4000	Summary		<u> </u>	Mater DT 44
PM	5:14	5:45	31	PM			27.9714286	\$ 4.75	67.97	3	Metro RT 11
Leschi	1	-	1	-	1	1		1			
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)			Arrive	(min	Total Fare		Changes	Comments
POF							to Downtown	Summary			
AM			30.114286	AM	7:33	7:55	22			3	Metro RT 27
			o Downtown	POF				Summary			
PM	5:01	-	26	PM			30.1142857	\$ 4.75	65.11	3	Metro RT 27
Belleuv	e: Meydenba	auer Bay									
									Total Travel		
1			Travel Time				Travel Time		Time to/from	Seat	
1	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fare			Comments
POF	Depart			Rue to Po		nsit Center		Summary		Changes	Commenta
AM			30.662857	AM	7:54		1		49.66	2	Metro 271
AM			30.662857	AM	7:57	7:59	2		49.66		ST 550
	e Transit Cen	ter to Doc		POF	1.57	7.59	2	ψ 4.75	49.00		01 000
PM	5:04	5:07		PM	1	1	30.6628571	\$ 4.75	49.66	2	Metro 271
PM	5:04	5:05		PM			30.6628571	\$ 4.75 \$ 4.75	49.66		ST 550
1 1 1 1	5.05	5.05	Ζ	1.101			00.0020071	ψ <del>1</del> .75	<del>-</del> 9.00	J 3	01 000

### Route Competitiveness and Accessibility 14561 Site: Kenmore - Log Boom Park

Site: Kenmore - Log Boom Park Current Public Transit Option Travel Time and Seat Change

Bus/Exp	oress Bus/Lig	ht Rail to S	Seattle				
			Travel Time				
			to/from	Seat			
	Depart	Arrive	Seattle	Changes	Far	e	Comments
AM	6:56	7:35	39	0	\$	2.50	ST Express Bus 522
AM	7:14	7:53	39	0	\$	3.25	Metro 312 Express
PM	5:04	5:49	45	0	\$	3.25	Metro 312 Express
PM	5:08	5:52	44	0	\$	2.50	ST Express Bus 522
Bus/Exp	oress Bus/Lig	ht Rail to I	Bellevue				
Bus/Exp	oress Bus/Lig	ht Rail to I	Bellevue Travel Time				
Bus/Exp	oress Bus/Lig	ht Rail to I		Seat			
Bus/Exp	press Bus/Lig Depart	ht Rail to I Arrive	Travel Time		Far	e	Comments
Bus/Exp AM			Travel Time to/from Bellevue	Changes	Far \$	-	Comments Metro 234
AM AM	Depart	Arrive 4:40	Travel Time to/from Bellevue 58	Changes	-	2.75	
AM	Depart 6:42	Arrive 4:40 7:50	Travel Time to/from Bellevue 58 41	Changes 0	\$	2.75	Metro 234

Car	14.1	miles to S	Seattle			
			Travel Time			
			to/from	Seat		
	Depart	Arrive	Seattle	Changes	Cost	Comments
AM	7:17	8:00	43	0	\$ 8.11	
PM	5:00	5:42	42	0	\$ 8.11	
Car	13.9	miles to B				
Car	13.9	miles to B	Bellevue Travel Time			
Car	13.9	miles to B		Seat		
Car	13.9 Depart	miles to E Arrive	Travel Time	Seat Changes	Cost	Comments
Car AM			Travel Time to/from Bellevue	Changes	Cost \$ 7.99	Comments

# Route Competitiveness and Accessibility 14561 Site: Kenmore - Log Boom Park

Site: Kenmore - Log Boom Park

Park and Ride Facilities				
Location/Address	Distance from Terminal (miles)	Parking Spaces	Capacity	Bus Connections
Bethany Bible Church 6214 Bothell Way NE	0.5	75	Limited, filled by 90% weekdays	Metro: 309, 312, 331, 342, 372 ST: 522
Kenmore Community Church 7504 NE Bothell Way	1.3	15	Limited, filled by 90% weekdays	Metro: 234, 244, 309, 312, 331, 342, 372 ST: 522
Kenmore Park & Ride 7346 NE Bothell Way	1.2	603	Limited, filled by 90% weekdays	Metro: 234, 244, 309, 312, 331, 342, 372 ST: 522

### Route Competitiveness and Accessibility 14561 Site: Kenmore - Lakepointe

### POF and Connection to Seattle/Bellevue Travel Time, Seat Changes, and Fare

UW: Wa	ashington At	hletic Ce	nter								
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fare	Seattle	Changes	Comments
	Dopuit		()	Light Rail f					000000	onangee	Continente
POF				University				Summary	of Route		
AM			31.82857143		7:44		10		47.82857143	2	
					7.77	7.04	10	ψ 4.75	47.02007140		
	I from Univer							_			
	ity Street Stat			POF	-			Summary			
PM	5:00		10	PM			31.8285714	\$ 4.75	47.82857143	2	
UW: Oc	eanography	Dock									
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fare			Comments
	Depart	AIIIVE	(11111)	Light Rail f				Total Tale	Seallie	Changes	Comments
POF				University				Summary	of Douto		
AM			36.11428571	AM	7:44		10		60.11428571	2	
				AIVI	7.44	7.54	10	<b>\$</b> 4.75	00.11420571	2	
U U	I from Univer										
	ity Street Sta			POF			-	Summary			
PM	5:00	5:10	10	PM			36.1142857	\$ 4.75	60.11428571	2	
Madiso	n Park										
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)			Arrive	(min)	Total Fare	Seattle	Changes	Comments
				Bus/Expre	ss Bus fror	n Madisor	Park to				
POF				Downtown				Summary	of Route		
AM			27.97142857	AM	7:22	7:47	25	\$ 4.75	54.97142857	2	Metro RT 11
Bus/Exp	oress Bus from	n Madisor	h Park to								
Downto	wn			POF				Summary	of Route		
PM	5:14	5:45		PM			27.9714286	\$ 4.75		2	Metro RT 11
Leschi			-								
	1			1		· · · · ·	[	1	<b>.</b>	1	
									Total Travel		
	L .		Travel Time		L .		Travel Time	L	Time to/from	Seat	-
	Depart	Arrive	(min)			Arrive	(min	Total Fare		Changes	Comments
POF							Downtown	Summary			
AM			30.11428571	AM	7:33	7:55	22	\$ 4.75		2	Metro RT 27
	oress Bus from			POF				Summary			
PM	5:01	5:27	26	PM			30.1142857	\$ 4.75	58.11428571	2	Metro RT 27

### Route Competitiveness and Accessibility 14561 Site: Kenmore - Lakepointe

Belleuve	e: Maydenba	auer Bay									
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fare	Bellevue	Changes	Comments
POF				Bus to Bell	evue Tran	sit Center		Summary of	of Route		
AM			30.66285714	AM	7:54	7:55	1	\$ 4.75	44.66285714	2	Metro 271
AM			30.66285714	AM	7:57	7:59	2	\$ 4.75	43.66285714	2	ST 550
Bellevue	Transit Cent	ter to Docl	ĸ	POF				Summary of	of Route		
PM	5:04	5:07	2	PM			30.6628571	\$ 4.75	44.66285714	2	Metro 271
PM	5:03	5:05	2	PM			30.6628571	\$ 4.75	44.66285714	2	ST 550

Current Public Transit Option Travel Time and Seat Change

Bus/Exp	ress Bus/Lig	ht Rail to S	Seattle				
			Time to/from	Seat			
	Depart	Arrive	Seattle	Changes	Far	e	Comments
AM	6:56	7:35	39	0	\$	2.50	ST Express Bus 522
AM	7:14	7:53	39	0	\$	3.25	Metro 312 Express
PM	5:04	5:49	45	0	\$	3.25	Metro 312 Express
PM	5:08	5:52	44	0	\$	2.50	ST Express Bus 522
Bus/Exp	ress Bus/Lig	ht Rail to B	Bellevue				
			Travel Time				
			to/from	Seat			
	Depart	Arrive	Bellevue	Changes	Far	e	Comments
AM	6:42	4:40	58	0	\$	2.75	Metro 234
AM	7:09	7:50	41	0	\$	2.75	Metro 342
PM	5:05	6:09	67	0	\$	2.75	Metro 234
PM	5:08	5:50	42	0	\$	2.75	Metro 342

Car	14.1	miles to S	Seattle			
			Travel Time	Seat		
	Depart	Arrive	to/from Seattle	Changes	Cost	Comments
AM			43	0	\$ 8.11	via I-522 and I-5
PM			42	0	\$ 8.11	via I-522 and I-5
Car	13.9	miles to E	Bellevue			
			Travel Time	Seat		
	Depart	Arrive	to/from	Changes	Cost	Comments
AM			36	0	\$ 7.99	Via I-405
PM			38	0	\$ 7.99	Via I-405

### Route Competitiveness and Accessibility 14561 Site: Kenmore - Lakepointe

Park and Ride Facilities										
	Distance from									
	Terminal	Parking								
Location/Address	(miles)	Spaces	Capacity	Bus Connections						
Bethany Bible Church	0.5	75	Limited, filled by	Metro: 309, 312, 331, 342, 372						
Kenmore Community Church	1.3	15	Limited, filled by	Metro: 234, 244, 309, 312, 331, 342,						
Kenmore Park & Ride	1.2	603	Limited, filled by	Metro: 234, 244, 309, 312, 331, 342,						

## Route Competitiveness and Accessibility Site: Kirkland - Marina Park

#### POF and Connection to Seattle Travel Time, Seat Changes, and Fare

UW: Wa	ashington At	thetic Ce	nter										
										Total Travel			
			Travel Time				Travel Time			Time to/from	Seat		
	Depart	Arrive	(min)		Depart	Arrive	(min)		Total Fare			Comments	
	Depart	Anve	(11111)	Light Rail from University Link Station to			Total i are jocattic jonariges jooniments						
DOF									Summary of Doute				
POF	T	1		University					Summary of Route				
AM			27.24857143	AM	7:44	7:54	10	0	\$ 4.75	48.25	3		
Light rai	I from Univer	sity Link S	tation from										
Universi	ity Street Stat	tion Down	town	POF					Summary of	of Route			
PM	5:00			PM			27.24857143		\$ 4.75	48.25	3		
	eanography						21.21001110	~	φ 1.10	10.20	<u> </u>		
011.00	Canography	DOCK	[	r				Т			T		
										Total Travel			
			Travel Time				Travel Time			Time to/from	Seat		
	Depart	Arrive	(min)		Depart	Arrive	(min)		Total Fare	Seattle	Changes	Comments	
				Light Rail f	rom Unive	rsity Link S	Station to						
POF				University	Street Stat	ion Downt	own		Summary of	of Route			
AM	1		28.24285714		7:44		1(		\$ 4.75	57.24	3		
-	I from I Inivor	city Link S						Ť	+				
Light rail from University Link Station from University Street Station Downtown				POF					0	- ( D			
					[		00.0400574		Summary of				
PM	5:00	5:10	10	PM			28.24285714	4	\$ 4.75	57.24	3		
Madiso	n Park			-						-			
										Total Travel			
			Travel Time				Travel Time			Time to/from	Seat		
	Depart	Arrive	(min)			Arrive	(min)		Total Fare	Seattle	Changes	Comments	
				Bus/Expre	ss Bus fror	n Madisor	Park to						
POF				Downtown					Summary of	of Route			
AM			19.92857143	AM	7:22	7:47	2	5	\$ 4.75	51.93	3		
Bus/Exr	ress Bus fro	m Madisor	Park to			•				•	•	•	
Downto				POF					Summary of	of Route			
PM	5:14	5:45	31	PM	C	1	19.92857143		\$ 4.75	57.93	3		
Leschi	0.11	0.10	01				10.02001110	~	φ 1.10	01.00	Ű		
Lescin	1			r				Т			r		
										Total Travel			
			Travel Time				Travel Time			Time to/from	Seat		
	Depart	Arrive	(min)		Depart	Arrive	(min		Total Fare	Seattle	Changes	Comments	
POF	• •			Bus/Expre	ss Bus fror	n Leschi t	Downtown	Summary of Route					
AM	1		22.07142857	AM				22 \$ 4.75 51.07 3					
	Bus/Express Bus from Leschi to Downtown							Summary of Route					
PM	5:01	5:27	26				22.0714285		\$ 4.75	55.07	3		
	0.01	0.21	20				22.01 172001	1	φ τ.ιυ	55.07	J J		

### Current Public Transit Option Travel Time and Seat Change

Du3/LAP											
			Travel Time	Seat							
	Depart	Arrive	to/from Seattle	Changes	Far	е	Comments				
AM	7:22	7:56	34	0	\$	3.25	Metro RT 255				
PM	5:03	5:48	45	0	\$	3.25	Metro RT 255				

Car	14.1	miles via	520	17	miles via l	-90
			Total Travel			
			Time to/from	Seat		
	Depart	Arrive	Seattle	Changes	Cost	Comments
AM	7:38	8:00	22	0	\$ 11.91	520
AM	7:34	8:00	26	0	\$ 9.78	90
PM	5:00	5:28	28		\$ 11.91	520
PM	5:00	5:30	30	0	\$ 9.78	90

### Route Competitiveness and Accessibility Site: Kirkland - Marina Park

Park and Ride Facilities										
	Distance from									
	Terminal	Parking								
Location/Address	(miles)	Spaces	Capacity	Bus Connections						
Holy Spirit Lutheran Church										
10021 NE 124th St	2.6	40		Metro: 234, 244, 255, 277						
Houghton P&R										
7024 116th Ave NE	1.9	470		Metro: 234, 245, 277, 342, 952, 981, 986						
Kingsgate P&R			90% full by 9 AM	Metro: 235, 238, 244, 252, 255, 257, 277,						
13001 116th Way NE	4.1	502	weekdays	930						
Kirkland Way P&R										
NE 85th St and Kirkland Way	1	20		Metro: 248						
Korean Covenant Church of										
Kirkland										
14220 Juanita/Woodinville	3.9	30		Metro: 238, 257						
South Kirkland P&R			90% full by 9 AM	Metro: 234, 235, 249, 255, 981, 986						
3677 108th Ave NE Bellevue	2.7	833	weekdays	ST: 540						

## Route Competitiveness and Accessibility Site: Kirkland - Carillon Point

#### POF and Connection to Seattle Travel Time, Seat Changes, and Fare

UW: Wa	ishington At	inletic Ce	nter									
									T	Total Travel		
			Travel Time				Travel Time		Т	Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fa	are	Seattle	Changes	Comments
		n		Light Rail fr		sity Link S	tation to					
POF				University S	Street Stati	on Downto	own	Summa	arv of	f Route		
AM			24.18571429		7:44		10		75	40.19	3	
l ight rai	I from Univer	eity Link S	tation from									•
	ty Street Stat			POF					ny of	f Route		
PM	5:00			PM	r	1	24.1857143		75	40.19	3	
	eanography		10				24.1037143	φ 4.	75	40.19	5	
011.00	eanography	DOCK		1		1	[		1_		1	
										Total Travel	_	
			Travel Time				Travel Time				Seat	
	Depart	Arrive	(min)			Arrive	(min)	Total Fa	are	Seattle	Changes	Comments
				Light Rail fr								
POF				University S				Summa				
AM			28.47142857	AM	7:44	7:54	10	\$ 4.7	75	48.19	3	
Light rai	I from Univer	sity Link S	tation from									
Universi	ty Street Stat	tion Down	town					Summa	ary of	f Route		
PM	5:00	5:10	10	PM			28.4714286		75	48.19	3	
Madiso	n Park			•								
									1	Total Travel		
			Travel Time				Travel Time			Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fa				Comments
	Depart	AINVE	(11111)	Bus/Expres				TOLATTA		Jeane	Changes	Commenta
POF				Downtown	5 Dus non	i widdisoff		Summa	any of	f Route		
AM		1	20.15714286		7:22	7:47	25		75	47.16	3	
	ress Bus fror	m Madisor			1.22	1.71	25	ψ	15	47.10		
Downtov		in mauisoi		POF				Summa	ny of	f Pouto		
PM	5:14	5:45	31	PM	r	1	20.1571429		75	53.16	3	
Leschi	5.14	5.45	51	1 101			20.1371423	ψ	15	55.10	J	
Lescin									<u> </u>			
										Total Travel		
			Travel Time				Travel Time				Seat	
	Depart	Arrive	(min)			Arrive	(min	Total Fa			Changes	Comments
POF				<b>Bus/Expres</b>				Summa				
AM			22.3		7:33	7:55	22	\$ 4.7	75	46.30	3	
	Bus/Express Bus from Leschi to Downtown						Summary of Route					
PM	5:01	5:27	26	PM			22.3	\$ 4.	75	50.30	3	

#### Current Public Transit Option Travel Time and Seat Change

Bus/Exp	us/Express Bus/Light Rail										
			Travel Time	Seat							
	Depart	Arrive	to/from Seattle	Changes	Far	e	Comments				
AM	7:29	7:56	27	0	\$	3.25	Metro RT 255				
PM	5:02	5:32	30	0	\$	3.25	Metro RT 255				

Car	9	miles via	13.3	via I-90		
			Travel Time	Seat		
	Depart	Arrive	to/from Seattle	Changes	Cost	Comments
AM	7:42	8:00	18	0	\$ 8.98	Via 520
AM	7:36	8:00	24	0	\$ 7.65	Via 90
PM	5:00	5:18	18	0	\$ 8.98	Via 520
PM	5:00	5:27	27	0	\$ 7.65	Via 90

### Route Competitiveness and Accessibility Site: Kirkland - Carillon Point

Park and Ride Facilities				
	Distance from			
	Terminal	Parking		
Location/Address	(miles)	Spaces	Capacity	Bus Connections
Holy Spirit Lutheran Church				
10021 NE 124th St	4.1	40		Metro: 234, 244, 255, 277
Houghton P&R				Metro: 234, 245, 277, 342, 952, 981,
7024 116th Ave NE	1.8	470		986
Kingsgate P&R			90% full by 9 AM	Metro: 235, 238, 244, 252, 255, 257,
13001 116th Way NE	4.9	502	weekdays	277, 930
Kirkland Way P&R				
NE 85th St and Kirkland Way	1.9	20		Metro: 248
Korean Covenant Church of				
Kirkland				
14220 Juanita/Woodinville	5.4	30		Metro: 238, 257
South Kirkland P&R			90% full by 9 AM	Metro: 234, 235, 249, 255, 981, 986
3677 108th Ave NE Bellevue	1.3	833	weekdays	ST: 540

### Route Competitiveness and Accessibility 14561 Site: Bellevue

### POF and Connection to Seattle Travel Time, Seat Changes, and Fare

UW: Wa	shington A	Athletic C	enter								
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)			Arrive	(min)	Total Fare	Seattle	Changes	Comments
				Light Rail f	rom Unive	rsity Link S	Station to				
POF				University Street Station Downtown				Summary	of Route		
AM			27.74857143	AM	7:44	7:54	10	\$ 4.75	51.75	2	
Light rai	from Unive	ersity Link	Station from								
	ty Street St			POF				Summary	of Route		
PM	5:00			PM			27.74857143		51.75	2	
UW: Oc	eanograph	v Dock									
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fare			Comments
			1	Light Rail f							
POF				University				Summary	of Route		
AM			32.03428571	AM	7:44		10		64.03	2	
	from Unive	ersity Link	Station from				`				
	ty Street St			POF			Summary of Route				
PM	5:00			PM		1	32.03428571	\$ 4.75	64.03	2	
Madiso		0.10	10	1 101			02.00420071	ψ 4.70	04.00		
maanson					[	1	[	<b>I</b>	Total Travel	1	
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Total Fare			Comments
	Depart	Anive	(mm)	Bus/Expres				Total Fare	Seallie	Changes	Comments
POF				Downtown	SS DUS IIUI	II Mauson	I FAIK LU	Summony	of Douto		
AM	1		16.77714286	AM	7:22	7:47	25	Summary \$ 4.75	51.78	2	
	ress Bus fr	om Madia		AIVI	1.22	1.41	20	φ 4.75	51.76		
Downtov				POF				Summary	of Douto		
PM	5:14	5:45	21	PM	[	1	16.77714286		57.78	2	
	0.14	5.45	31	FIVI			10.777 14200	ə 4.70	57.70	2	
Leschi						1		r	1		
									Total Travel		
			Travel Time				Travel Time		Time to/from	Seat	
	Depart	Arrive	(min)			Arrive	(min	Total Fare	Seattle	Changes	Comments
POF							o Downtown	Summary			
AM			15.14857143	AM	7:33	7:55	22	\$ 4.75	47.15	2	
Bus/Exp	ress Bus fr	om Leschi	i to Downtown				Summary of Route				
PM	5:01	5:27	26	PM			15.14857143		51.15	2	

Current Public Transit Option Travel Time and Seat Change

Bus/Exp	Bus/Express Bus/Light Rail										
			Travel Time	Seat							
	Depart	Arrive	to/from Seattle	Changes	Fare	Comments					
AM	7:24	7:56	32	0	\$ 2.50	ST 550					
PM	5:01	5:34	33	0	\$ 2.50	ST 550					

Car	11 miles via 11.6 via I90									
			Travel Time	Seat						
	Depart	Arrive	to/from Seattle	Changes	Cost	Comments				
AM	7:41	8:00	22	0	\$ 10.13	520				
AM	7:35	8:00	28	0	\$ 6.67	90				
PM	5:00	5:18	25	0	\$ 10.13	520				
PM	5:00	5:26	28	0	\$ 6.67	90				

#### Route Competitiveness and Accessibility 14561 Site: Bellevue

Park and Ride Facilities									
	Distance from								
	Terminal	Parking							
Location/Address	(miles)	Spaces	Capacity	Bus Connections					
Bellevue Christian Reformed									
Church									
1221 148th Ave NE	3.8	20		Metro: 221					
Bellevue Foursquare Church									
2015 Richards Rd	3.1	35		Metro: 240					
				Metro: 212, 217, 221, 226, 240, 241, 245,					
Eastgate P&R				246, 271, 888, 989					
14200 SE Eastgate Way	4.5	1614	90% Filled by 9 AM	ST: 555					
Grace Lutheran Church									
NE 8th St & 96th Ave NE	0.4	50	90% Filled by 9 AM	Metro: 271					
Newport Covenant Church									
12800 SE Coal Creek Pkwy	4.6	75		Metro: 240, 245					
South Bellevue P&R				Metro: 241, 249, 981					
2700 Bellevue Wy SE	2.3	519	90% Filled by 9 AM	ST: 550, 555, 556, 560					
St Andrew's Lutheran									
Church	4.7	20		Metro: 221, 245, 271					
St Luke's Lutheran Church									
3030 Bellevue Way NE	2.2	30		Car/Vanpool only					
Wilburton P&R									
720 114th Ave SE	1.6	186	90% Filled by 9 AM	Metro: 240, 246, 342, 952					

# Route Competitiveness and Accessibility Site: Renton

### POF and Connection to Seattle/Bellevue Travel Time, Seat Changes, and Fare

UW: Wa	ashington A	thletic Ce	nter			-						
										Total Travel		
			Travel Time				Travel Time			Time to/from	Seat	
	Depart	Arrive	(min)			Arrive	(min)	Tota	al Fare	Seattle	Changes	Comments
				Light Rail f	rom Unive	rsity Link S	Station to					•
POF				University Street Station Downtown				Sur	nmary o	of Route		
AM			42.12857143	AM	7:44	7:54	10	\$	4.75	58.13	3	
Light rai	il from Univer	sitv Link S	Station from									
	ity Street Sta			POF				Sur	nmarv (	of Route		
PM	5:00			PM		1	42.1285714		4.75	58.13	3	
UW: Oc	eanography							1.7			-	
			[	l –		1	[	<b>I</b>		Total Travel		
			Travel Time				Travel Time			Time to/from	Seat	
	Damant	A			Devent	A		<b>T</b> - 4	-1			O
	Depart	Arrive	(min)	Liasht Dail f		Arrive	(min)	TOU	ai Fare	Seattle	Changes	Comments
DOF				Light Rail f				<b>.</b>		of Douto		
POF			46 44 400574	University						of Route		
AM	1		46.41428571	AM	7:44	7:54	10	\$	4.75	70.41	3	I
	il from Univer											
	ity Street Sta			POF						of Route		
PM	5:00	5:10	10	PM			46.4142857	\$	4.75	70.41	3	
Madiso	n Park											
										Total Travel		
			Travel Time				Travel Time			Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	(min)	Tota	al Fare	Seattle	Changes	Comments
				Bus/Expre	ss Bus from	n Madison	Park to					•
POF				Downtown				Sur	nmary o	of Route		
AM			31.07142857	AM	7:22	7:47	25	\$	4.75	58.07	3	
Bus/Exp	press Bus fro	m Madiso	n Park to									-
Downto	wn			POF				Sur	nmary o	of Route		
PM	5:14	5:45	31				31.0714286	\$	4.75	64.07	3	
Leschi												
			T			1		1		Total Travel		
			T	I			T	I I			0	
		<b>.</b> .	Travel Time		L .		Travel Time	<b>-</b> .		Time to/from	Seat	
202	Depart	Arrive	(min)			Arrive	(min			Seattle	Changes	Comments
POF	1	1	L 06.15				Downtown			of Route	-	1
AM	I	L	26.46	AM	7:33	7:55	22	\$	4.75	50.46	3	l
			to Downtown	POF						of Route	1	
PM	5:01		26	PM			26.46	\$	4.75	54.46	3	
Belleuv	ve: Maydenb	auer Bay			_						_	
										Total Travel		
			Travel Time	I			Travel Time	I I		Time to/from	Seat	
	Depart	A			Denert	Arrive		Tat	al Car-			Commonto
DOF	Depart	Arrive	(min)	Due to D		Arrive	(min)	_		Bellevue	unanges	Comments
POF			04 504 400 55	Bus to Bell						of Route		N. 1. 074
AM			24.59142857	AM			1	\$	4.75	38.59		Metro 271
AM	L		24.59142857	AM	7:57	7:59	2	\$	4.75	37.59	3	ST 550
	e Transit Cer		:K	POF	1	1				of Route		
PM	5:04	5:07	2	PM			24.5914286	\$	4.75	38.59		Metro 271
PM	5:03	5:05	2	PM			24.5914286	\$	4.75	38.59	3	ST 550

Current Public Transit Option Travel Time and Seat Change

Bus/Exp	Bus/Express Bus/Light Rail to Seattle									
			Travel Time							
			to/from	Seat						
	Depart	Arrive	Bellevue	Changes	Far	е	Comments			
AM	7:20	7:51	31	0	\$	3.25	Metro RT 143			
PM	5:17	5:53	36	6 0	\$	3.25	Metro RT 143			
Bus/Exp	ress Bus/Lig	ht Rail to I	Bellevue							
			Travel Time							
			to/from	Seat						
	- ·	A ·	Dellering	01	<b>—</b> • •		0			
	Depart	Arrive	Bellevue	Changes	Far	e	Comments			
AM	Depart 7:24	Arrive 7:47	Bellevue 23		⊦ar \$	e 2.50	ST RT 560			

Car	17.7	via 99	12.4	via I-5		
			Travel Time	Seat		
	Depart	Arrive	to/from Seattle	Changes	Cost	Comments
AM	7:28	8:00	32	0	\$ 10.18	via 99
AM	7:22	8:00	38	0	\$ 7.13	via I-5
PM	5:00	5:32		0	\$ 10.18	via 99
PM	5:00	5:37	-	0	\$ 7.13	via I-5
Car	10.6	miles to E	Bellevue			
			Travel Time			
			to/from	Seat		
	Depart	Arrive	Bellevue	Changes	Cost	Comments
AM	7:30	8:00	30	0	\$ 6.10	
PM	5:00	5:34	34	0	\$ 6.10	

### Route Competitiveness and Accessibility Site: Renton

Park and Ride Facilities				
Location/Address	Distance from Terminal (miles)	Parking Spaces	Capacity	Bus Connections
City View Church 255 Hardie Ave SW	2	96		Metro: 101, 102, 107, 143
Fairwood Assembly of God 13120 SE 192nd St	6.7	25		Car/Vanpool only
Kennydale United Methodist Church 3005 Park Ave N	1.5	50	Fills to 90% by 9 AM weekdays	Metro: 111, 167, 342, 952 ST: 560
Nativity Lutheran Church 17707 140th Ave SE	5.8	49		Metro: 102, 148, 906 DART
New Life Church at Renton 15711 152nd Ave SE	4.8	25		Metro: 143, 907 DART
Renton City Municipal Garage 655 S 2nd St	1.6	150	Fills to 90% by 9 AM weekdays	Metro: Rapidride F, 101, 105, 106, 107, 143, 148, 153, 167, 169, 240, 342, 907 DART, 908 DART ST: 560, 566
Renton Fred Meyer 365 Renton Center Way SW	2.2	21	Fills to 90% by 9 AM weekdays	Metro: 101, 102, 107, 143
Renton Transit Center P&R Garage 232 Burnett Ave S	1.7	150	Fills to 90% by 9 AM weekdays	Metro: Rapidride F, 101, 105, 106, 107, 143, 148, 153, 167, 169, 240, 342, 907 DART, 908 DART ST: 560, 566
South Renton P&R S Grady Way and Shattuck Ave	2.3	373	Fills to 90% by 9 AM weekdays	Metro: 101, 102, 148, 153, 167, 169
St. Matthew Lutheran Church 2516 NE 16th St	1.2	128	Fills to 90% by 9 AM weekdays	Metro: 105, 111

### Route Competitiveness and Accessibility 14561 Site: Des Moines

### POF and Connection to Seattle Travel Time, Seat Changes, and Fare

Pier 50	ler 50											
										Total Travel		
			Travel Time				Travel			Time to/from	Seat	
	Depart	Arrive	(min)		Depart	Arrive	Time (min)	Total	Fare	Seattle	Changes	Comments
POF Pier 50 to Downtown					Sumr	mary c	of Route					
AM			35.6	AM	7:45	8:00	15	\$	4.75	50.6	0	Walk from Pier 50
AM			35.6	AM	7:56	7:58	46.6	\$	4.75	46.6	2	Walk and bus to University St.
From Downtown to Pier 50 POF					Sumr	mary c	of Route					
PM	5:00	5:15	15	PM			35.6	\$	4.75	50.6		Walk to Pier 50
PM	5:01	5:04	47.6	PM			35.6	\$	4.75	47.6	2	Bus and walk from University St.

Current Public Transit Option Travel Time and Seat Change

Bus/Exp	Bus/Express Bus/Light Rail										
			Total Travel								
			Time to/from	Seat							
	Depart	Arrive	Seattle	Changes	Far	е	Comments				
AM	6:59	7:56	57	1	\$	5.75	Link to Rapidride A				
AM	7:16	7:44	28	0	\$	3.25	Metro 159				
PM	5:01	5:34	57	1	\$	5.75	Link to Rapidride A				
PM	5:13	5:47	34	0	\$	3.25	Metro 159				

Car	17	miles					
			Total Travel				
			Time to/from	Seat			
	Depart	Arrive	Seattle	Changes	Cos	t	Comments
AM	7:23	8:00	37	0	\$	9.78	
PM	5:00	5:34	34	0	\$	9.78	

#### Route Competitiveness and Accessibility 14561 Site: Des Moines

Park and Ride Facilities									
	Distance from								
	Terminal	Parking							
Location/Address	(miles)	Spaces	Capacity	Bus Connections					
Kent-Des Moines Park and									
Ride			Fills to 90% by 9	Metro: 158, 159, 166, 192, 193, 197					
23405 Military Rd S	2.6	370	AM	ST: 574					
Burien Transit Center				Metro: Rapidride F, 120, 121, 122,					
14900 4th Avenue SW	5.5	488		123, 131, 132, 166, 180					

### Route Competitiveness and Accessibility 14561 Site: Ballard - Shilshole

### POF and Connection to Seattle Travel Time, Seat Changes, and Fare

Pier 50	ler 50										
			Travel Time				Travel Time		Total Travel Time to/from	Seat	
	Depart		(min)		Depart	Arrive	(min)	Total Fare		Changes	Comments
POF				Pier 50 to	Downtown			Summary of	of Route		
AM			24.37	AM	7:45	8:00	15	\$ 4.75	39.37	0	Walk to downtown
From Downtown to Pier 50 POF								Summary of	of Route		
PM	5:00	5:15	15	PM			24.37	\$ 4.75	39.37	0	Walk to downtown

Current Public Transit Option Travel Time and Seat Change

Bus/Exp	Bus/Express Bus/Light Rail									
			Total Travel							
			Time to/from	Seat						
	Depart	Arrive	Seattle	Changes	Fare	Comments				
AM	7:35	7:56	21	0	\$ 2.75	Metro 17				
PM	5:02	5:30	28	0	\$ 2.75	Metro 18				

Car	5.6	miles				
			Total Travel			
			Time to/from	Seat		
	Depart	Arrive	Seattle	Changes	Cost	Comments
AM	7:40	8:00	20	0	\$ 3.22	
PM	5:00	5:24	24	0	\$ 3.22	

## Route Competitiveness and Accessibility 3ite: Ballard - Shilshole

Park and Ride Facilities							
	Distance from	Devlaimen					
	Terminal	Parking					
Location/Address	(miles)	Spaces	Capacity	Bus Connections			
NA - Closest park and ride is							
Green Lake Park and Ride							
over 5 miles from the marina.							

### Route Competitiveness and Accessibility 14561 Site: Ballard - 24th Avenue NW

Site: Ballard (Ship Canal at 24th Ave NW)

#### POF and Connection to Seattle Travel Time, Seat Changes, and Fare

SLU	SLU										
	Depart	Arrive	Travel Time (min)		Depart	Arrive	Travel Time (min)	Total Fare		Seat Changes	Comments
					Summary of Route						
AM			40.14	AM	7:26	8:00	34	\$ 4.75	74.14	0	Walk to downtown
AM			40.14	AM	7:37	7:47	12	\$ 4.75	55.14	2	Walk to bus to downtown
From Downtown to SLU POF				Summary of Route							
PM	7:26	8:00	34	PM			40.14	\$ 4.75	74.14	0	Walk from downtown
PM	5:05	5:19	14	PM			40.14	\$ 4.75	57.14	2	Walk to bus from downtown

Current Public Transit Option Travel Time and Seat Change

Bus/Express Bus/Light Rail							
			Total Travel				
			Time to/from	Seat			
	Depart	Arrive	Seattle	Changes	Far	е	Comments
AM	7:35	7:56	21	0	\$	2.75	Metro RT 17
PM	5:02	5:30	28	0	\$	2.75	Metro RT 18

Car	5.6	miles				
			Total Travel			
			Time to/from	Seat		
	Depart	Arrive	Seattle	Changes	Cost	Comments
AM	7:40	8:00	20	0	\$ 3.22	
PM	5:00	5:24	24	0	\$ 3.22	

### Route Competitiveness and Accessibility 3ite: Ballard - 24th Avenue NW

Site: Ballard (Ship Canal at 24th Ave NW) Parking Availability

Park and Ride Facilities							
	Distance from Terminal	Parking					
Location/Address	(miles)	Spaces	Capacity	Bus Connections			
NA - Closest park and ride is Green Lake Park and Ride over 5 miles from the marina.							

# Attachment F

Landing Site Assessments

## Landing Site Assessment Matrix

#### Site Name: University of Washington - Waterfront Activities Center

Location/Address: The Waterfront Activities Center (WAC) is located at 3900 Montlake Blvd. NE, Seattle just south of Husky Stadium. The float is located at the southern end of the WAC, next to the Canoe House.

Description	Length	Width	Height			
Ramp	15' 1"	7' 11'				
Dock/Float	110'	12'				
Freeboard*			1' 1"			
Water Depth at Ramp* 8'						
*Based on median elevation of the Lake Washington Ship Canal.						



	Assessment			1			
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements		
Marine				_			
Ramp	Yes			Х	Wooden ramp is in fair condition but it includes three steps and should		
					be replaced with a sloping ramp. Replace existing ramp with ADA		
					compliant ramp. This will likely require the ramp to start further upland.		
Railing	Yes		Х				
ADA Accessibility	No			Х	Due to the stairs, the ramp is not very accessible to ADA passengers.		
Dock/Float	Yes		Х	-	Wooden floating dock.		
Dimensions (Approx.)	Yes	Х			110' x 12 float allows room for either passenger loading or unloading.		
					POF would likely interfere with other uses.		
Freeboard	Yes No			X X	1111 Add fendering		
Fendering Ladder	No			X	Add fendering Add ladder		
Railing	No			X	Add railing along at least one, but maybe both sides of the float.		
-		Х		^			
Exposure Surface Condition	No No	Χ		х	Facility is well sheltered in Union Bay. No existing vessel security measures. Fences and gates would interfere		
Surace condition	NO			^	with other public uses.		
Mooring Capability	Yes		Х	1	Dock is likely adequate, but the cleats are inadequate to moor a 149 POF		
Mooning capability	165		~		vessel.		
Vessel Security	No			х	No existing vessel security measures. Fences and gates would interfere		
Vessel Security	NO			^	with other public uses.		
In Water Wards Deersined	No	Х			None.		
In Water Work Required?	NO	X			None.		
Upland Accessibility							
General Assessment	No			Х	There is a long distance between the marine facilities and major		
General Assessment	NO			^	destinations at the University of Washington.		
ADA Accessibility	No			х	There is a long distance between the marine facilities and major		
ADA Accessibility	INO			^	,		
					destinations at the University of Washington. Traffic barriers separate the parking area in front of the Canoe House from the path to the float.		
Passenger Parking	No		Х		There would be little demand for parking by riders since the University of		
					Washington would be the destination for the majority of riders on this		
					route. The University of Washington operates a large, pay parking lot on		
					the south side of Husky Stadium. There is also a small amount of parking		
					in front of the Canoe House.		
Multi-Modal Connections				1			
Near Transit Stop	Yes	Х			The Sound Transit University Link light-rail station will be opening in 2016		
					and is an approximately 6 minute walk from the WAC. While multiple bus		
					routes serve the University District, the closest bus stop is .25 miles away		
					from the landing site. Approximate trip time from the nearest bus stop		
					serving downtown Seattle is 25-30 minutes.		
Potential Shuttle Holding Area	Yes	Х			Shuttle(s) could queue in parking lot.		
Pedestrian Connections/ Trails	No			х	A trail extends west along the Montlake Cut and north along Union Bay,		
					but is not the most direct route to major destinations. Pedestrian must		
					walk through a large parking lot to Montlake Boulevard, across the street		
					and further on to the destination. Also, plans to build a LINK light rail		
					terminal at this site will create access and safety issues for POF riders.		
Bicycle Facilities	Yes	Х			This site provides easy access to the Burke Gilman Trail.		
Sheltered Area or Potential Area	No		Х		It may be possible to construct a shelter near the Canoe House.		
Area for Signage, Customer Information	Yes	Х		1	There is adequate area near the ramp to install customer signage,		
and Ticketing					ticketing, and information.		
Restrooms	Yes		Х		Restrooms are provided at the WAC.		
Safety							
Access and Egress from Dock/Ramp	No		Х	1	Replacing the stairs with a ramp and paving the path to the ramp would		
					increase safety.		
Lighting	No			Х	There is no lighting on the ramp or float. The area around the Canoe		
					House has minimal lighting. Add lighting to the ramp and float.		
Potential Conflicts with other Uses	Yes			Х	This float and other surrounding floats are often used by non-motorized		
					water craft. A passenger-only ferry could interfere with existing uses both		
				1	on the water and upland facilities.		

## Landing Site Assessment Matrix $A_{4561}$

Site Name: University of Washington - Oceanography Dock							
Location/Address: Oceanography Dock	at the University	of Washingtor	1				
Description	Length	Width	Height				
Ramp	N/A	N/A	N/A				
Dock/Float	N/A	N/A	N/A				
Small Wooden Dock w/ Seating & Bike	Parking						
Freeboard*			1' 4"				
Water Depth*			1' 7"				
Concrete Walk - West End of Park							
Freeboard*			2' 10"				



			Assessment		
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements
Marine					
Ramp	No			Х	Adequate marine facilities do not exist, so this cannot be evaluated.
					Install a new ramp if necessary. The length, width and grade of the ramp
					would be determined by the location of the new float.
Railing	No				
ADA Accessibility	No				
Dock/Float	No				
Dimensions (Approx.)	No				
Freeboard	No			Х	Existing facilities are not adequate, so freeboard measurements are
					insignificant.
Fendering	No				Add fendering
Ladder	No				Add ladder
Railing	No				
Exposure	No	Х			Facility is well sheltered in Portage Bay.
Surface Condition	No			Х	No existing vessel security measures. Fences and gates would interfere
					with other public uses.
Mooring Capability	No				Mooring capability could be incorporated into the upgraded marine
					facilities. Include mooring capability in design of new dock or float.
Vessel Security	No			х	Since this location would not be used for overnight moorage, limited
					vessel security measures could be incorporated into the upgraded marine
					or upland facilities. Include vessel security measures in design of new
					marine facilities.
In Water Work Required?	Yes				The water depth at the small wooden dock and concrete walk is not
					adequate for a 149 passenger-only vessel. Construct a new ramp and
					float or dock large enough to accommodate a 149 passenger-only vessel
					An adequately sized dock or float would be approximately 1000 square
					feet and would need to extend out into the Montlake Cut far enough to
					reach an area with sufficient water depth (8').
Upland					
Accessibility					
General Assessment	Yes	Х	r – – – – – – – – – – – – – – – – – – –		Viewpoint has adequate pedestrian circulation
ADA Accessibility	No	^		Х	Viewpoint has adequate pedestrian circulation. There is a long distance between the marine facilities and major
ADA Accessionity	NO			^	
					destinations at the University of Washington. Traffic barriers separate the
					parking area in front of the Canoe House from the path to the float.
Passenger Parking	No				There would be little demand for parking by riders since Sakuma
					Viewpoint would be the destination for the majority of riders on this route
					Paid parking is available at the Boat Street Marina and at the lot on the
					corner of NE Pacific Street and NE Boat Street.
Multi-Modal Connections					
Near Transit Stop	Yes	Х			Multiple bus routes serve the University District along NE Campus
					Parkway and NE Pacific Street, approximately .3 miles from the park.
					Multiple routes run every 15-20 minutes to downtown during peak
					periods. Trip time to downtown Seattle is approximately 20 minutes.
Potential Shuttle Holding Area	No			Х	Existing parking and bike lanes block any potential shuttle holding areas.
	-				Shuttle service may not be necessary if most users' destinations are
					within the University District area.
Pedestrian Connections/ Trails	Yes	Х			Surrounding streets include sidewalks and the site very close to the
		~			Burke Gilman Trail, University of Washington and University of
					Washington Medical Center.
Bicycle Facilities	Yes	Х			NE Boat Street includes a bike lake and the site is very close to the Burke
Bicycle Facilities	Tes	^			
					Gilman Trail. There are multiple bike racks in the vicinity of the viewpoint
Obstrand Anna an Data Mal Anna	N			Y	When the set of a second second based in the set of the base of the second sec second second sec
Sheltered Area or Potential Area	No			Х	The uplands area is small and it is unlikely that a shelter could be added
					to area. It may be possible to include a shelter as part of new marine
					facilities.
Area for Signage, Customer Information	No		1	Х	A small amount of signage, information, and ticketing could likely be
and Ticketing					incorporated into the uplands area or added to new marine facilities.
Destation and				.,	
Restrooms	No			Х	
Safety					A day of the second
Access and Egress from Dock/Ramp	No				Adequate marine facilities do not exist, so this cannot be evaluated.
A Pakata a			<u> </u>		
Lighting	No		1	Х	While street lightening exists along NE Boat Street, the viewpoint does
					not include any lighting. Add lighting to viewpoint and include in the
					design of new marine facilities.
Potential Conflicts with other Uses	Yes			Х	The viewpoint is small and just west of a busy restaurant and kayak
	1		1	1	rental facility. A passenger-only ferry could interfere with existing uses

#### Landing Site Assessment Matrix $_{4561}^{4561}$

Site Name: Madison Park

Location/Address: Madison Street Dock at eastern end of Madison Street.

Description	Length	Width	Height			
Ramp	30'	11'				
Dock/Float	60'	11'				
Freeboard*			2' 9"			
Water Depth at Ramp* 11'						
*Based on median elevation of the Lake Wa	ashington Ship	Canal.				



and egress difficult. One street light between 43rd Avenue E and dock.

Due to the small size of the dock, the ferry could interfere with other

	Assessment				
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements
Marine Ramp	Yes		Х		Wooden plank ramp.
Railing	No		^	х	
ADA Accessibility	Yes			X	
Dock/Float	Yes	Х		~	Wooden fixed pier on piles.
Dimensions (Approx.)	Yes	, A		Х	The 60' x 11' dock is not be long enough to accommodate a 149
					passenger vessel. The dock allows little room for either passenger
					loading or unloading. POF would likely interfere with other uses. Replace
					or expand dock. An adequately sized dock would be approximately 1000
					square feet.
Freeboard	Х	Х			2' 9"
Fendering	No			Х	Add fendering to new or expanded dock.
Ladder	No			Х	Add ladder to new or expanded dock.
Railing	No			Х	Adding a railing along the dock would increase passenger safety, but
					would interfere with other uses. Add railing along one side of the new or
					expanded dock.
Exposure	Yes			Х	
Surface Condition	Yes		Х		Ramp surface consists of wooden planks, some of which are uneven and
					deteriorating; planks include knots, gaps, and holes. Surface is slippery.
					If dock is expanded, replace approximately 20% of wooden planks. Cover
					top of dock with non-skid material.
Mooring Capability	No			Х	Dock does not have cleats and is too small to accommodate moorage
					and existing uses. The existing dock may not be able to handle of the
					displacement loads of the vessel. Add cleats for temporary dockings to
					the new or expanded dock.
Vessel Security	No			Х	No existing vessel security measures. Fences and gates would interfere
					with other public uses.
In Water Work Required?	No	Х			None.
Upland					
Accessibility	N.		1	Y	hade the design of the first second
General Assessment	No			х	While the facility is just north of Madison Park, there are no sidewalks
					and a guardrail obstructs access. Remove or move guardrail, install a
ADA Accessibility	No			х	sidewalk on the south side of the street. The guardrail prevents wheelchair access. The street and grassy area to
ADA Accessibility	INO			^	the south are sloped.
Passenger Parking	No		Х		There would be little demand for parking by riders since Madison would
rassenger raiking	INU		^		be the destination for the majority of riders on this route.
Multi-Modal Connections					be the describation for the majority of fiders on this foute.
Near Transit Stop	Yes		Х		Route #11 runs along Madison Avenue to 43rd Avenue E approximately
Hear Hansie Glop	105		~		every 15 minutes during the peak period in the peak direction. Trip time
					to downtown Seattle is less than 30 minutes. Without additional service,
					ferry riders could overwhelm the existing service and/or total travel time
					may be too long to attract adequate ferry ridership. Recommend
					providing direct shuttle service, which would be faster than existing
					transit service, to downtown Seattle for ferry riders.
Potential Shuttle Holding Area	No		1	Х	There are King County Metro bus pull-outs that could be used, but the
	-		1		shuttle would interfere with the existing service.
Pedestrian Connections/ Trails	Yes		Х		Surrounding streets include sidewalks and there is a path through
· ·					Madison Park.
Bicycle Facilities	No		Х		
Sheltered Area or Potential Area	No			Х	Uplands area is very limited. Additional facilities would reduce the street
					right of way.
Area for Signage, Customer Information	No			Х	While the uplands area is very limited, signage, ticketing, and customer
and Ticketing	1				information could be added at the top of the ramp.
Restrooms	No				Likely in the park but could be seasonal.
Safety					
Access and Egress from Dock/Ramp	No			Х	Lack of pedestrian and ADA facilities and existing guardrail make access
	1	I	1	1	and agross difficult

Х

Х

Lighting Potential Conflicts with other Uses

No

Yes & No

#### Landing Site Assessment Matrix $_{4561}^{4561}$

#### Site Name: Leschi

Location/Address: Public float at 100 Lakeside Ave S at the north end of the small marina at Leschi Park at 201 Lakeside Ave S., Seattle.

Description	Length	Width	Height					
Ramp	60'	10'						
Dock/Float	140'	50'						
Freeboard*			1'9"					
Water Depth at Ramp* 10'5								
*Boood on modion elevation of the Leke W	*Proved on modion elevation of the Lake Weekington Chin Conel							



Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements
			FUUI	considerations/ Proposed improvements
Yes		Х		Wooden plank ramp with roofing material down the center as a non-skid
				measure.
Yes		х		Railing is on the outside of the ramp curb and does not meet ADA standards.
Yes		Х		It is likely that some passengers will require assistance due to the ramp
				grade and railing placement.
				Wooden fixed pier on piles.
res	~			140' x 50' allows sufficient room for passenger queuing, loading and unloading and vessel berthing space. Ferry may still interfere with other
				uses.
			v	1' 9" Fendering is inadequate for a 149 passenger-only vessel. Replace
Tes			^	fendering. Modifications to float edge, removal of exiting timber extruding from float edge, would be required to attach adequate
Vaa	v			fendering. Two ladders.
	^		v	The south side has a fence along a portion of the dock.
	x		^	The south side has a fence along a portion of the dock.
	X		x	Dock surface consists of wooden planks, some of which are uneven and
				deteriorating; planks include knots, gaps, and slightly protruding nail heads. The strip of roofing material down the side of the dock is worn an torn. Replace approximately 10-15% of wooden planks. Cover loading and unloading area with non-skid material.
Yes		х		Dock includes 4 large cleats that are satisfactory for mooring a 149 POF vessel.
No			Х	No existing vessel security measures. Fences and gates would interfere with other public uses. None. No overnight moorage at this landing site.
No	Х			None.
Yes	х	1	r	
		Х		
Yes		X		There would be little demand for parking by riders since Leschi would be the destination for the majority of riders on this route. City owned parking lots need to be restriped. Parking area near water is slightly sloped and there are areas of uneven pavement.
•				
Yes		X		Route #27 runs along Lakeside Ave South approximately every 20 minutes during the peak period in the peak direction. Trip time to downtown Seattle is approximately 20 minutes. Without additional service, ferry riders could overwhelm the existing service and/or total travel time may be too long to attract adequate ferry ridership. Recommend providing direct shuttle service, which would be faster than existing transit service, to downtown Seattle for ferry riders.
Yes	Х			Shuttle(s) could queue in upper parking lot.
Yes	х			There are sidewalks along Lakeside Avenue South and a trail through Leschi Park.
Yes		х		Lake Avenue South is signed bicycle route with a shared roadway, but there are no bike racks near the float. The I-90 regional trail is 1/2 mile south.
Yes		Х		There is room for a shelter in the parking lot, but it would decrease the number of parking stalls.
Yes	х			While there is no existing information board or kiosk, there is adequate area to add customer signage, ticketing, and information near the top of the ramp.
Yes	Х			· · · · · ·
Yes	Х			Facilities are of an adequate size and structure to safely accommodate
No			x	POF vessel capacity. There is no lighting on the ramp or dock. The parking lot has one street light between the upper and lower lot. Install lighting on dock and ramp and possibly in the parking lot.
Yes	<u> </u>	Х		The persitive and the parking loc. The ferry would dock close to the marina entrance, which could create potential conflicts with other users, especially during summer evenings.
	Yes Yes X Yes Yes No No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes         Yes         Yes         Yes         X         Yes         X         Yes         X         Yes         Yes         Yes         Yes         No         Yes         No         Yes         No         Yes         Yes	YesXYesXYesXYesXYesXYesXYesXNoXYesXNoXYesXNoXYesXNoXYesX	YesXYesXYesXYesXYesXYesXYesXYesXNoXYesXNoXYesXNoXYesXYesXNoXYesX

## Landing Site Assessment Matrix $_{14561}$

Site Name: Kenmore - Log Boom Park

Location/Address: The park is located right off Bothell Way at 60th Place NE via 175th Street NE. This park is also called Tracy Owen Station Park.

Description	Length	Width	Height
Ramp	N/A	N/A	
Dock/Float	550'	9'	
Freeboard			2' 10"
Water Depth at Ramp*			10'
*Description deviation of the Later M	achington Chi	Onnal	

1

	Assessment					
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements	
Marine						
Ramp	No				The dock extends directly from the shore and no ramp is required.	
Railing	No					
ADA Accessibility	Yes	Х			Concrete and wood fixed pier on piles.	
Dock/Float	Yes	х			Wooden fixed pier on piles with non-skid surface over a majority of the dock.	
Dimensions (Approx.)	Yes	Х			550' x 9' with two piers that are 140' x 10' provides sufficient room for	
					passenger queuing, loading and unloading and vessel berthing space. Ferry may still interfere with other uses.	
Freeboard	Yes	Х			2' 10"	
Fendering	No	~		х	2 10	
Ladder	No			X		
Railing	No			X		
Exposure	Yes	Х		~	Dock is oriented south.	
Surface Condition	Yes	X			Conceret is level, in moderate condition and has limited non-skid	
					properties. Cover loading and unloading area with non-skid material.	
Mooring Capability	Yes	х			Wooden tie-offs are inadequate to moor a 149 POF vessel. Add cleats.	
Vessel Security	No			Х	No existing vessel security measures. Fences and gates would interfere	
					with other public uses. Since it is highly likely that overnight moorage	
					would be desired at this location, it may be necessary to designated one	
					end of pier for POF use only and install a gate and fence.	
In Water Work Required?	No	Х				
Upland Access <i>ibility</i>						
General Assessment	Yes		Х		Without shuttle service, the limited parking and distance to transit	
	100		~		serivces may make access difficult for most passengers.	
ADA Accessibility	Yes		х		Wide walkways and sidewalks with curb ramps. Both parking and transit	
ADA Hoodsholley	103		~		could be difficult due to travel distances. The parking lot could be used	
					for passenger drop-off.	
Dessen for Devisin f	Maa			х		
Passenger Parking	Yes			^	There is some street parking along 175th Street NE. Owned by the City o	
					Kenmore. Time limited.	
					46 general parking stalls and 2 ADA stalls.	
Multi-Modal Connections			1		1	
Near Transit Stop	Yes		х		Multiple routes provide service along Bothell Way, but the roadway is up	
					short but steep hill from the park. The Bethany Baptist Church Park and	
					Ride is approximately .25 miles away and the Kenmore Park and Ride is	
					approximately 1 mile away.	
Potential Shuttle Holding Area	No			Х	The park's parking area is too small to accommodate a full-sized bus. It	
					may be possible to accommodate a shuttle further east on 175th Street	
					NE. Since parking is limited near the site, it is likely that shuttle serivce	
					would be required from a local park and ride.	
Pedestrian Connections/ Trails	Yes			Х	Located in a suburban residential area, which would limit the number of	
	100			~	walk-on passengers. Some pedestrians may use the Burke Gilman Trail.	
Bicycle Facilities	Yes	х			The located on the Burke Gilman Trail and near the Sammamish River	
					Trail.	
Sheltered Area or Potential Area	Yes		Х		The park's uplands areas are of medium size and it unlikely that a shelte	
					could be added to the facility without disrupting other uses. A small	
					number of benches are located on and near the dock.	
Area for Signage, Customer Information	Yes	Х			There is adequate area in the vicinity of the dock to add customer	
and Ticketing	Mar				signage, information and ticketing.	
Restrooms Safety	Yes	l	Х	l	Portables.	
Access and Egress from Dock/Ramp	Yes	Х			Facilities are of an adequate size and structure to safely accommodate	
					POF vessel capacity.	
Lighting	No			Х	Install lighting.	
Potential Conflicts with other Uses	Yes		х		There may be conflicts with other users of the public peir including	
			1		boaters, birders and park users.	

## Landing Site Assessment Matrix $M_{4561}$

Site Name: Kenmore - LakePointe

Location/Address: Privately owned, commercial property at 6525 NE 175th Street, Kenmore.

Notes: Site is currently staging for 520 construction. Passenger-only ferry service would require all new infrastructure.

Description	Length	Width	Height
Ramp	N/A	N/A	
Dock/Float	N/A	N/A	
Freeboard*			N/A
Water Depth at Ramp*			N/A



	Assessment					
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements	
Marine						
Ramp	No					
Railing	No				Include railing on ramp and loading platform.	
ADA Accessibility	N/A					
Dock/Float	No					
Dimensions (Approx.)	No					
Freeboard	No					
Fendering	No					
Ladder	No					
Railing	No					
Exposure	Yes	х			The area under consideration for POF berthing is on a short, small finger of water that extends northeast from Lake Washington.	
Surface Condition	N/A				New infrastructure required.	
Mooring Capability	No				Incorporate mooring capabilities into the upgraded marine faculties.	
Vessel Security	N/A				Vessel security measures could be incorporated into the new marine or upland facilities.	
In Water Work Required?	Yes					
Upland						
Accessibility						
General Assessment	N/A					
ADA Accessibility	N/A					
Passenger Parking	N/A				The Bethany Baptist Church Park and Ride is approximately 0.5 miles away and the Kenmore Park and Ride is approximately 1 mile away. Unless shuttles are provided, it is unlikely that passengers would use the park and ride.	
Multi-Modal Connections		•	•			
Near Transit Stop	No			Х	The closest transit stop is over 0.25 miles away. The Kenmore Park and Ride is appoximately 1 mile away.	
Potential Shuttle Holding Area	Yes	Х			If necessary, a shutle holding area could be incorporated into the on-site parking mentioned above.	
Pedestrian Connections/ Trails	No			Х	Located in a commercial area. Some pedesrians may use the Burke Gilman Trail.	
Bicycle Facilities	Yes		х		The site is near the Burke Gilman Trail. Once a cyclist leaves NE 175h Street they must travel over poorly maintained parking lots and bare groun. No bike racks exist at the site.	
Sheltered Area or Potential Area	Yes	Х			There is adequate area on site to install a shelter, but it may not be necessary if the facility is developed into a park and ride. The specified area of installation would likely be cleared of existing vegetation or materials and prepped for installation.	
Area for Signage, Customer Information and Ticketing	Yes	х			There is adequate area on site to install customer signage and information. Signage may also need to be added near 175th to direct new riders to the landing site.	
Restrooms	No			Х		
Safety						
Access and Egress from Dock/Ramp	N/A					
Lighting	No			Х	Add lighting near boat ramp and in parking lot.	
Potential Conflicts with other Uses	Yes		Х		The site is currently used for 520 staging.	

## Landing Site Assessment Matrix

Site Name: Kirkland Carillon Point

Location/Address: Carillon Point, Kirkland, WA

Description	Length	Width	Height
Ramp	N/A	N/A	
Dock/Float	N/A	N/A	
Freeboard			N/A
Water Depth at Ramp*			N/A
*Depend on median elevation of the Late W	a a hia dha a Chia	Onnal	



			Assessment				
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements		
Marine							
Ramp	No				The dock extends directly from the shore and no ramp is required.		
Railing	No						
ADA Accessibility	Yes		Х		The lack of a railing could be a problem for some passengers.		
Dock/Float	Yes	х			Wooden fixed pier on piles with non-skid surface over a majority of the dock.		
Dimensions (Approx.)	Yes	Х					
Freeboard	Yes	х					
Fendering	No			Х	Add fendering.		
Ladder	Yes			Х			
Railing	No			Х			
Exposure	Yes	Х					
Surface Condition	Yes	Х			Dock surface does not include a non-skid surface but is in good condition.		
Mooring Capability	Yes	Х					
Vessel Security	No			Х	No existing vessel security measures. Fences and gates could interfere with other public uses and would need to be negotiated with the City of Kirkland.		
In Water Work Required?	No	Х					
Upland							
Accessibility							
General Assessment	Yes	Х					
ADA Accessibility	Yes	х					
Passenger Parking	Yes		Х		Ample parking exists upland near the businesses at the marina.		
Multi-Modal Connections			•				
Near Transit Stop	Yes	х			Bus routes, including local and express routes, serve Kirkland Transit Center, approximately .25 miles from the dock.		
Potential Shuttle Holding Area	Yes		Х		Shuttles could be staged near the Carillon businesses.		
Pedestrian Connections/ Trails	Yes	Х	^		Surrounding streets include sidewalks and there is a path north of the marina.		
Bicycle Facilities	Yes	Х			Lake Washington Boulevard includes marked bike lanes.		
Sheltered Area or Potential Area	Yes						
Area for Signage, Customer Information	Yes	Х			There is adequate area in the vicinity of the dock to add customer		
and Ticketing					signage, information and ticketing.		
Restrooms	Yes	Х			Carillon Point has restrooms.		
Safety		·		·			
Access and Egress from Dock/Ramp	Yes	Х			Facilities are of an adequate size and structure to safely accommodate POF vessel capacity.		
Lighting	Yes	Х	1				
Potential Conflicts with other Uses	Yes		Х		The ferry could create conflicts with other users of the marina.		

## Landing Site Assessment Matrix $M_{4561}$

Site Name: Marina Park

Location/Address: Marina Park at 25 Lakeshore Plaza Drive, Kirkland. The most likely location for POF service would be the end of the main pier. The City of Kirkland has also identified the public pier at the west end of 2nd Avenue S as another potential location. This public dock has similar marine attributes, but has not been

Description	Length	Width	Height
Ramp	N/A	N/A	
Dock/Float	400'	10'	
Freeboard			1' 8"
Water Depth at Ramp*			22'
*Based on median elevation of the Lake W	ochington Chi	Conol	



	Assessment				Т		
Facilities Marine	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements		
Ramp	No				The dock extends directly from the shore and no ramp is required.		
Railing	No						
ADA Accessibility	Yes		Х		The lack of a railing could be a problem for some passengers.		
Dock/Float	Yes	Х			Wooden fixed pier on piles with non-skid surface over a majority of the dock.		
Dimensions (Approx.)	Yes	х			400' x 10' allows room for passenger queuing, loading and unloading. Ferry may still interfere with other uses.		
Freeboard	Yes	Х			1' 8"		
Fendering	No			Х	Add fendering.		
Ladder	Yes			Х	Ladder is in poor condition and needs to be replaced.		
Railing	No			Х			
Exposure	Yes	Х			Dock is oriented south.		
Surface Condition	Yes	х			The first 300' of dock surface is even and has adequate non-skid treatment. The remaining dock surface consists of wooden planks, some of which are slightly uneven; planks include small knots and very slightly protruding nail heads. Apply non-skid surface to remainder of the dock.		
Mooring Capability	Yes	х			Dock includes cleats that are satisfactory for mooring a 149 passenger- only vessel.		
Vessel Security	Yes			Х	No existing vessel security measures. Fences and gates could interfere with other public uses and would need to be negotiated with the City of Kirkland. Add a security gate.		
In Water Work Required?	No	Х					
Upland							
Accessibility							
General Assessment	Yes	Х					
ADA Accessibility	Yes	Х			ADA parking stalls exist near the dock and access to the dock is provided via a dead-end roadway or sidewalks with curb ramps.		
Passenger Parking	Yes			Х	Parking in the area is intended for use by customers of local businesses. Street parking along Lakeshore Plaza Drive and other downtown streets is time limited.		
Multi-Modal Connections							
Near Transit Stop	Yes	X			Multiple bus routes, including local and express routes, serve Kirkland Transit Center, approximately .25 miles from the park. Sound Transit route 540 runs every 12-15 minutes to the University District during peak periods. Trip time to/from the University District is approximately 30 minutes, which would compete with POF service if the other end of the Kirkland route was the University District.		
Potential Shuttle Holding Area	Yes		Х		Shuttles could be staged along Lakeshore Plaza Drive, but would temporarily obstruct parking in the chosen staging area.		
Pedestrian Connections/ Trails	Yes	Х			Surrounding streets include sidewalks and there is a path through Marina Park.		
Bicycle Facilities	Yes	х			Lake Street includes marked bike lanes.		
Sheltered Area or Potential Area	Yes		Х		While there is room for a sheltered area, it would interfere with the other uses of Marina Park.		
Area for Signage, Customer Information and Ticketing	Yes	Х			There is an existing information board for the City of Kirkland and marina. There is adequate area in the vicinity of the dock to add customer signage and information. Ticketing could be added.		
Restrooms Safety	Yes	Х			Marina Park has public restrooms.		
Access and Egress from Dock/Ramp	Yes	Х			Facilities are of an adequate size and structure to safely accommodate POF vessel capacity.		
Lighting	Yes	Х	1		Parking, park and marine facilities near Argosy's moorage are well lit.		
Potential Conflicts with other Uses	Yes		Х		The ferry could create conflicts with other users of the marina and park, including the Argosy Kirkland Lake Tour and Waterways Cruises and Events, especially during summer evenings.		

#### Landing Site Assessment Matrix

: Bellevue - Meydenbauer Bay Marina
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Location/Address: Meydenbauer Bay Marina at 2 99th Ave NE, Bellevue. The most suitable slip is the uncovered slip at the very end of Pier 1.

Notes: This site is very high risk as the City of Bellevue did not include POF service in the their master plan for the Meydenbauer Bay Marina and surrounding area.

Description	Length	Width	Height
Ramp	N/A	N/A	
Dock/Float	131'	5'	
Freeboard*			3' 4"
Water Denth at Dennek			4.01

Water Depth at Ramp\*
\*Based on median elevation of the Lake Washington Ship Canal.



			Assessment				
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements		
Marine							
Ramp	No			Х	The dock extends directly from the shore and no ramp is required.		
Railing	No						
ADA Accessibility	No						
Dock/Float	Yes				Wooden fixed pier on piles.		
Dimensions (Approx.)	Yes		Х		At 131' x 5', the dock is one of the narrowest being considered and there		
					are obstructions that narrow the dock even further. Passengers would		
					need to be staged uplands to avoid conflict with other users. The dock		
Freeboard	Vee	v			provides suficient vessel berthing space. 3'4"		
	Yes Yes	Х		х			
Fendering	Tes			^	Fendering is not adequate for a 149 POF vessel and is likely the property of the current slip leasor. Add fendering.		
Ladder	Yes	Х	ł		or the current silp leasor. Add rendering.		
Railing	No	~		Х	Adding a railing along the dock would increase passenger safety. If a		
				~	railing was added to both sides of the dock, it would interfere with access		
					to the adjacent slip. Add railing along at least one, but possibly both sides		
					of the dock.		
Exposure	No	Х			Facility is well sheltered in bay.		
Surface Condition	No	X	1		Surface is even and well maintained. There are some small gaps		
Surface Solidition	110	X			between planks.		
Mooring Capability	No	Х	1		Dock include cleats that are satisfactory for mooring a 149 passenger-		
moorning oupdointy		~			only vessel.		
Vessel Security	No	Х	1		Access to the float is restricted. Security measures at the slip could be		
		~			added.		
In Water Work Required?	No	х	1				
Upland							
Accessibility							
General Assessment	Yes			Х	Access to the facility is along a small, residential street. Passenger loads		
					could overwhelm the facility if a majority of the passengers do not arrive		
					on foot or via bicycle or shuttle.		
ADA Accessibility	No		Х		There is an area that would be used to drop-off passengers near the		
	-				entrance to the marina.		
Passenger Parking	No			Х	There would be little demand for parking by riders since Bellevue would		
	-				be the destination for the majority of riders on this route. Owned by City of		
					Bellevue, Parks		
					Approximately 50 stalls adjacent to the marina, which could be		
					inadequate for ferry passenger loads. None of the stalls are designated		
					ADA. The City may not want the parking to be used by commuters.		
Multi-Modal Connections							
Near Transit Stop	Yes			Х	Bus service to/from the Bellevue Transit Center is available on 100th		
					Avenue NE, approximately 2 miles from the marina and on NE 8th, which		
					is more than .5 miles from the marina.		
Potential Shuttle Holding Area	Yes		Х		Parking lot could be used for shuttle holding.		
Pedestrian Connections/ Trails	No			Х	Roadway leading down to the marina on the north side is steep and does		
					not include sidewalks. Several parking areas must be crossed when		
					approaching the marina from the south. Most major destinations and		
					employment centers are more than .5 miles away.		
Bicycle Facilities	No			Х			
Sheltered Area or Potential Area	No			Х	The uplands area is small and it is unlikely that a shelter could be added		
					to area. It may be possible to replace some of the parking stalls with a		
					shelter.		
Area for Signage, Customer Information	No		Х		While the uplands area is very limited, signage, customer information,		
and Ticketing			1		and ticketing could be added at the entrance to the dock.		
Restrooms	Yes	Х					
Safety	163	~					
Access and Egress from Dock/Ramp	Yes	Х			Facilities are of an adequate size and structure to safely accommodate		
					POF vessel capacity, although the narrow dock could impact operations.		
			1				
Lighting	Yes		Х		The marina has lighting, but it may need to be upgraded for POF service.		
			<u>^</u>		The parking lot does not have any lighting		
Potential Conflicts with other Uses	Yes			х	The marina facilities, include the docks and parking lot are small and POF		
	162			^	service would likely create conflicts with other users and the suitable slips		
					are currently under lease for private use. Also, the City of Bellevue is		
					developing a master plan for the nearby park, marina and upland		
			1		facilities, which does not include a POF. If this site is to be considered		
					further, immediate coordination with the City of Bellevue is required.		
	1				a and a significance operation with the only of believe is required.		

## Landing Site Assessment Matrix

#### Site Name: Renton - Bristol at Southport

Location/Address: The dock is adjacent to the Bristol at Southport apartments located at 1133 Lake Washington Blvd N., Renton. The dock is located next to 1083 Lake Washington Blvd N. Property is owned by Southport One LLC but public access is allowed.

Notes: Access to marine and upland facilities will require negotiations with Southport One LLC. Currently, Waterways Cruises and Events is allowed to pickup/drop-off at the dock for privately chartered events.

Description	Length	Width	Height	
Ramp	N/A	N/A		
Dock/Float	120'	20'		
Freeboard*			3'1"	
Water Denth at Ramn*			g'	

Water Depth at Ramp\*
\*Based on median elevation of the Lake Washington Ship Canal.



			Assessment				
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements		
Marine	N.		-				
Ramp Railing	No No						
-							
ADA Accessibility	No	N/	-		Manuface Constant and a large state		
Dock/Float	Yes	X	-		Wooden fixed pier on piles.		
Dimensions (Approx.)	Yes	Х			128' x 20' allows sufficient room for passenger queuing, loading and unloading and vessel berthing space. Ferry may still interfere with other uses.		
Freeboard	Yes	Х			3' 1"		
Fendering	No			Х	Add fendering		
Ladder	Yes		Х				
Railing	No		Х		The 20' side of the dock includes a railing.		
Exposure	Yes		Х		Site partial sheltered by land mass to the east.		
Surface Condition	Yes		X		Dock surface consists of wooden planks, some of which are uneven and deteriorating; planks include knots, gaps and some holes. Replace approximately 10% of wooden planks. Cover loading and unloading area with non-skid material.		
Mooring Capability	Yes		Х		No existing vessel security measures. Fences and gates would interfere		
	.05				with other public and private uses.		
Vessel Security	No			Х	None		
	No	v		^			
In Water Work Required?	NO	Х			Standard maintenance requirements.		
Upland							
Accessibility							
General Assessment	No		Х		From the parking area, a dead end, private roadway could be used for		
					passenger access to the dock. Access is also provided to the dock via		
					Gene Coulon Memorial Beach Park from 7:00 a.m. to dusk.		
ADA Accessibility	No			Х	It is approximately 250' feet from the parking lot to the dock and there i		
					a short, but steep driveway to negotiate.		
Passenger Parking	Yes	Х			Gravel parking lot managed by Diamond Parking, but owned by Southpo One LLC. Parking is \$7/day. The gravel lot transitions into a large empt lot owned by Southport One LLC that could be converted to parking. Prepare property to provide a designated parking area for POF riders. Non ADA stalls could be gravel to minimize improvements.		
Multi-Modal Connections							
Near Transit Stop	No			Х	The nearest bus stop is half a mile away.		
Potential Shuttle Holding Area Pedestrian Connections/ Trails	Yes	x			The Southport One LLC owned property would be an appropriate site for shuttle holding. Shuttle service may not be required if sufficient parking is available. The site is adjacent to Gene Coulon Memorial Beach Park and near		
					residential and commercial areas west of I-405.		
Bicycle Facilities	Yes	Х			The site is accessible via the Lake Washington Trail and the Cedar River Trail.		
Sheltered Area or Potential Area	No			х	There is room for a shelter in the parking lot, but it would decrease the number of parking stalls.		
Area for Signage, Customer Information and Ticketing	Yes	Х			There is adequate area to add customer signage, ticketing, and information near the dock.		
Restrooms	No			Х			
Safety							
Access and Egress from Dock/Ramp	Yes	Х			Directly adjacent to the dock is a pathway that leads to Gene Coulon Memorial Beach Park.		
Lighting	No			х	There is only on light on the dock, and neither the pathway or parking lot have lighting.		
Potential Conflicts with other Uses	Yes			x	The property is owned by a Southport One LLC, a development company and is for the use of the development's residents and their guests. Publ access is allowed during park hours. It is highly likely that POF passengers will create traffic, noise, light and other disturbances that could be disruptive to residents of the Bristol development. The POF could also interfere with public uses of the dock, such as fishing.		

## Landing Site Assessment Matrix $M_{4561}$

#### Site Name: Des Moines Marina

Location/Address: Des Moines Marina located at 22307 Dock Street, Des Moines. The most likely location of POF service is the end of the northern most floating pier close to the entrance to the marina.



Description	Length	Width	Height
Ramp	37'	3'7"	
Dock/Float	136'	7'	
Freeboard*			1'3"
Water Depth at Ramp*			24'
*From 2009 Demonstration Route Analysis			

		Assessment				
Facilities Marine	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements	
Ramp	Yes		Х		Wood and steel ramp with non-skid treatment down the middle of the	
Deller	N	Y			ramp.	
Railing ADA Accessibility	Yes Yes	Х	х		Ramps includes hand railings. It is likely that some passengers will require assistance because the	
ADA Accessibility	Tes		^		railings are too high (3' 6") for ADA and the grade of the ramp is relatively	
					steep. Near the end of 2010 the City of Des Moines is installing a new	
					ramp that is more ADA compliant.	
Dock/Float	Yes	Х			Wood and concrete floating pier is in good condition.	
Dimensions (Approx.)	Yes	Х			136' x 7' slip float is narrow and is obstructed by several piles along the	
					north side float. The berthing space is sufficient for a 149 POF vessel,	
					but the pile may interfere with placement of the gangplank and the gangplank may interfere with access to the adjacent slip. Passengers	
					would need to queue upland to minimize conflict with other users on the	
					ramp and float.	
Freeboard			Х		1' 3"	
Fendering	No			X	Add fendering.	
Ladder Railing	No No			X	Add ladder. Adding a railing along the float would increase passenger safety. If a	
Nailing	NO			^	railing was added to both sides of the float, it would interfere with access	
					to the adjacent slip.	
Exposure	Yes	Х			The marina is located behind a breakwater.	
Surface Condition	Yes	Х			The float surface is even and has adequate non-skid qualities.	
Mooring Capability	Yes		Х		The float include cleats, but they are not sufficient for mooring a 149 POF	
Vessel Security	No			х	vessel. No existing vessel security measures. Fences and gates could interfere	
vessel security	NO			^	with other public uses. Since It is highly likely that overnight moorage will	
					be desired at this location, it may be necessary to designate both slips at	
					the end of the float for POF use only and install a security gate and fence.	
In Water Work Required?	No	Х			None.	
Upland Accessibility						
General Assessment	No	Х			Adjacent parking and passenger holding areas.	
ADA Accessibility	No	Х			It may be necessary to designate additional ADA parking stalls near the	
					ramp.	
Passenger Parking	Yes			Х	The marina has free on-site parking. To the north of the marina office	
					there are approximately 200 parking spots plus 4 ADA spots. 3 of the ADA spots are not close to the ramp to the proposed POF float. The City	
					of Des Moines has plans to re-strip the lot, which will increase the	
					number of parking spaces. There are additional lots to the south of the	
					marina office. Use of on-site parking would need to be negotiated with	
					the City of Des Moines.	
Multi-Modal Connections	N.		1	V	where the second second second sector sector second sector second s	
Near Transit Stop	No			х	The closest transit stop is almost half a mile away from the float but there is service every 10-15 minutes in the peak direction during peak periods.	
					The Kent-Des Moines Park and Ride is 3 miles away and the Burien Park	
					and Ride is 6 miles away.	
Potential Shuttle Holding Area	Yes	Х			The parking lot provides ample area for shuttle holding, but shuttle	
Dedectrice Openent's of Table					service may not be necessary if parking capacity is not exceeded.	
Pedestrian Connections/ Trails	Yes		х		The marina is surrounded by multi-family and commercial zoning and adequate sidewalks exist in and around the marina.	
Bicycle Facilities	Yes		х		Although the Regional Green River Trail is three miles away, the	
					surrounding area has many relatively low-traffic streets and bike racks	
					are available at the marina. The Des Moines section of the Lake-to-	
					Sound Trail, which will terminate at the Des Moines Marina, begins	
Chalkarad Area as Detential Area	Nie			х	construction in 2009.	
Sheltered Area or Potential Area	No			X	There is room for a shelter in the parking lot, but it would decrease the number of parking stalls.	
Area for Signage, Customer Information	Yes	Х			There is adequate space close to the ramp for customer signage,	
and Ticketing					ticketing, and information.	
Restrooms	Yes	Х				
Safety						
Access and Egress from Dock/Ramp	Yes	Х			Facilities are of an adequate size and structure to safely accommodate POF vessel capacity.	
Lighting	No		Х		POF vessel capacity. Lighting appears adequate for POF service.	
Potential Conflicts with other Uses	Yes & No		X		The ferry would dock close to the marina entrance and fuel dock, which	
1			1		-	
					could create potential conflicts with other users, especially during	



## Landing Site Assessment Matrix $_{14561}$

#### Site Name: Ballard Shilshole Bay Marina

Location/Address: 7001 Seaview Avenue NW, Suite 100. The site visit documents the conditions at the southern most dock, "Dock A," and Slip 12, which is one of the slips that could accommodate a passenger-only ferry vessel. Other slips could be considered.

Description	Length	Width	Height
Ramp	67'	5'	
Dock/Float	100'	6'	
Freeboard			1'4"
Water Depth at Ramp*			21'
*From 2000 Domonstration Bouto Analysis			

From 2009 Demonstration Route Analysis

		Assessment				
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements	
Marine				1		
Ramp	Yes	Х			Concrete and steel ramps, one at each of the pier, are in excellent	
					condition. Passenger access and egress could use separate ramps to	
					minimize conflicts.	
Railing	Yes	Х			Ramps includes hand railings and decorative enclosures that extend	
					beyond the railing.	
ADA Accessibility	Yes		Х		It is likely that some passengers will require assistance.	
Dock/Float	Yes					
Dimensions (Approx.)			х		100' x 6' slip float is narrow and is obstructed by 1 pile at the mid-point of	
					the float. The berthing space is sufficient for a 149 POF vessel, but the	
					pile may interfere with placement of the gangplank and the gangplank	
					may interfere with access to the adjacent slip.	
Freeboard	N.		Х	×	Add Scools Sco	
Fendering	No			Х	Add fendering.	
Ladder	No		-	Х	Add ladder.	
Railing	No			Х	Adding a railing along the float would increase passenger safety. If a	
					railing was added to both sides of the float, it would interfere with access	
					to the adjacent slip. Add railing along at least one, but maybe both side of	
					the float.	
Exposure	Yes	Х			The marina is located behind a breakwater and Dock A is further	
					sheltered by the Henry L. Kotkins Pier, which is also a seawall.	
Surface Condition	Yes	Х			The float surface is even and has adequate non-skid qualities.	
Mooring Capability	Yes	Х			Float include cleats that are satisfactory for mooring a 149 POF vessel.	
Vessel Security	Yes		х		Access to the ramp and float is restricted. Security measures at the slip	
					could interfere with access to the adjacent slip.	
In Water Work Required?	No	Х			None	
Upland						
Accessibility				1		
General Assessment	Yes					
ADA Accessibility	Yes	Х			No ADA parking stalls near the ramp. F53 Identify and mark ADA parking	
					stalls.	
Passenger Parking	No			Х	Limited parking available along Seaview Avenue NW. The parking lot is	
					owned by the Port of Seattle and has approximately 120 parking stalls	
					intended for marina parking. There is a high potential for POF parking and	
					general marina parking.	
Multi-Modal Connections						
Near Transit Stop	No			Х	No transit service.	
Potential Shuttle Holding Area	Yes	Х			Shuttle(s) could queue in parking lot.	
Pedestrian Connections/ Trails	Yes	Х			There is a bike trail, that could be used by pedestrians and sidewalks	
					along Seaview Avenue, but the surrounding areas are not conducive to	
					generating walk-on passengers.	
Bicycle Facilities	Yes	Х			There is a bike trail along Seaview Avenue that provides access to other	
					local trails including the Burke Gilman Trail and Myrtle Edwards Trail.	
Sheltered Area or Potential Area	Yes	Х	1		There is a large open space at the top of "Dock A, " which could	
					accommodate a shelter if the shelter did not interfere with emergency	
					vehicle access.	
Area for Signage, Customer Information	Yes	Х	1		While there is no existing information board or kiosk, there is adequate	
and Ticketing	100	~			area to add customer signage and information near the top of the ramp.	
					There is adequate space close to the ramp to place ticket vending	
					equipment. Install customer signage, information, and ticket vending	
					equipment.	
	Yes	Х			Shilshole Bay Marina has public restrooms in the Marina Office.	
Restrooms		~	1	1		
Restrooms Safety	165					
Safety		X			Facilities are of an adequate size and structure to safely accommodate	
	Yes	Х			Facilities are of an adequate size and structure to safely accommodate	
Safety Access and Egress from Dock/Ramp	Yes	Х	Y		passenger-only vessel capacity.	
Safety		Х	X		passenger-only vessel capacity. There is lighting along the Henry L. Kotkins Pier that runs parallel to	
Safety Access and Egress from Dock/Ramp	Yes	x	x		passenger-only vessel capacity. There is lighting along the Henry L. Kotkins Pier that runs parallel to "Dock A," but it may not be sufficient for passenger-only ferry service. Add	
Safety Access and Egress from Dock/Ramp	Yes	X	x		passenger-only vessel capacity. There is lighting along the Henry L. Kotkins Pier that runs parallel to	

## Landing Site Assessment Matrix $M_{4561}$

Site Name: Ballard - Ship Canal at 24th Ave NW

Location/Address: Southern terminus of 24th Avenue NW in the street right of way. The closest intersection is 24th Avenue NW and NW 54th Street

Description	Length	Width	Height
Ramp	N/A	N/A	
Dock/Float	270'	17'	
Freeboard*			2'8"
Water Depth at Ramp*			22'
*Description algorithm of the Later W	a a la ina atta an Chain	Onnal	



			Assessment		
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements
Marine	1		1		
Ramp	No				
Railing	No				
ADA Accessibility	Yes		Х		Ramp needs to be fixed.
Dock/Float	Yes				Wooden fixed pier on piles.
Dimensions (Approx.)	Yes		Х		270' x 17' allows room for some passenger queuing, loading and
					unloading, and vessel berthing space.
Freeboard	Yes		Х		2' 11"
Fendering	No			Х	Add fendering
Ladder	No			Х	Add ladder
Railing	No			Х	
Exposure	Yes	Х			Site is well shelter.
Surface Condition	Yes		Х		Dock surface consists of wooden planks, some of which are uneven and
					deteriorating; planks include knots, gaps and some holes. Replace
					approximately 10% of wooden planks. Cover loading and unloading area
					with non-skid material.
Mooring Capability	Yes	Х			Float include cleats that are satisfactory for mooring a 149 POF vessel.
mooning oupdointy	105	~			
Vessel Security	No			х	No existing vessel security measures. Fences and gates would interfere
Vessel Security	NU			^	
In Water Wark Desviced	No	х			with other public uses.
In Water Work Required?	INO	X			None
Upland					
Accessibility					
General Assessment	No			Х	Upland area consist of 24th Avenue NW, public parking and access to
					adjacent businesses. The dock access point is narrow and poorly
					maintained.
ADA Accessibility	No			х	The dock is at the end of the street right of way and tis separated from
					the street by three traffic post barricades that would not allow a
					wheelchair to pass.
Passenger Parking	Yes	Х			There is free parking along 24th Avenue NW and Shilshole Avenue NE. A
					pay parking lot at 5300 24th Ave NW includes 120 parking stalls which
					may be accessed from Shilshole Avenue NE. There is a driveway
					between the parking lot and the dock that could be used for pedestrian
					access.
Multi-Modal Connections		1	1	1	
Near Transit Stop	Yes		Х		Multiple routes, including the 17, 18 and 44, travel along NW Market
Hodi Hanoic ocop			~		Street and/or 24th Avenue north of NW Market Street. The first bus sto
					is less than .25 miles from the dock. Trip time to/from Seattle is
					approximately 30 minutes by bus, which would compete with POF
	NL.			V	service.
Potential Shuttle Holding Area	No			Х	Shuttle service could be provided along Shilshole Ave NW, but signage
					would need to be added to resrict parking. The pay parking lot could als
					be used, but there may be a fee associated with such use.
Pedestrian Connections/ Trails	No		Х		While the site is not far from Historic Ballard, the immediate vicinity is
					industrial and many nearby streets lack pedestrian facilities.
Bicycle Facilities	Yes		Х		The site is approximately 1 mile from the current terminus of the Burke
					Gilman Trail. The City of Seattle's plan to extend the Burke Gilman Trail
					through Ballard would improve bicycle access.
Sheltered Area or Potential Area	No			Х	There is a large open space at the top of "Dock A, " which could
					accommodate a shelter if the shelter did not interfere with emergency
					vehicle access.
Area for Signage, Customer Information	No		1	Х	While the uplands area is very limited, signage, fare equipment, and
and Ticketing				~	customer information could be added at the top of the dock.
Restrooms	No		1	х	oustomer mormation could be added at the top of the dock.
Safety	001		<u> </u>	^	
	No			v	Poor. The area immediately adjacent to the dock and to the northwest o
Access and Egress from Dock/Ramp	No	1	1	Х	
					the top of the dock would need to be redesigned.
Lighting	No	1	1	Х	There is one street light at the top of the dock. It would not be sufficient
					for POF service.
Potential Conflicts with other Uses	No			Х	Uplands, POF service could potentially interfere with normal public
	1	1	1	1	parking use, adjacent business access. POF service could also interfere
	1		1		with public access to the marine facilities.

## Landing Site Assessment Matrix $M_{4561}$

Site Name: South Lake Union

Location/Address: South Lake Union Park at 860 Terry Avenue N. The dock is just west of the Naval Reserve Building, next to the Historic Ships Wharf.

Description	Length	Width	Height
Ramp	26'	9'	
Dock/Float	205'	10'	
Freeboard			1' 4"
Water Depth at Ramp*			18'
Depend on modion elevation of the Lelve Me	ahindhan Chin	0	



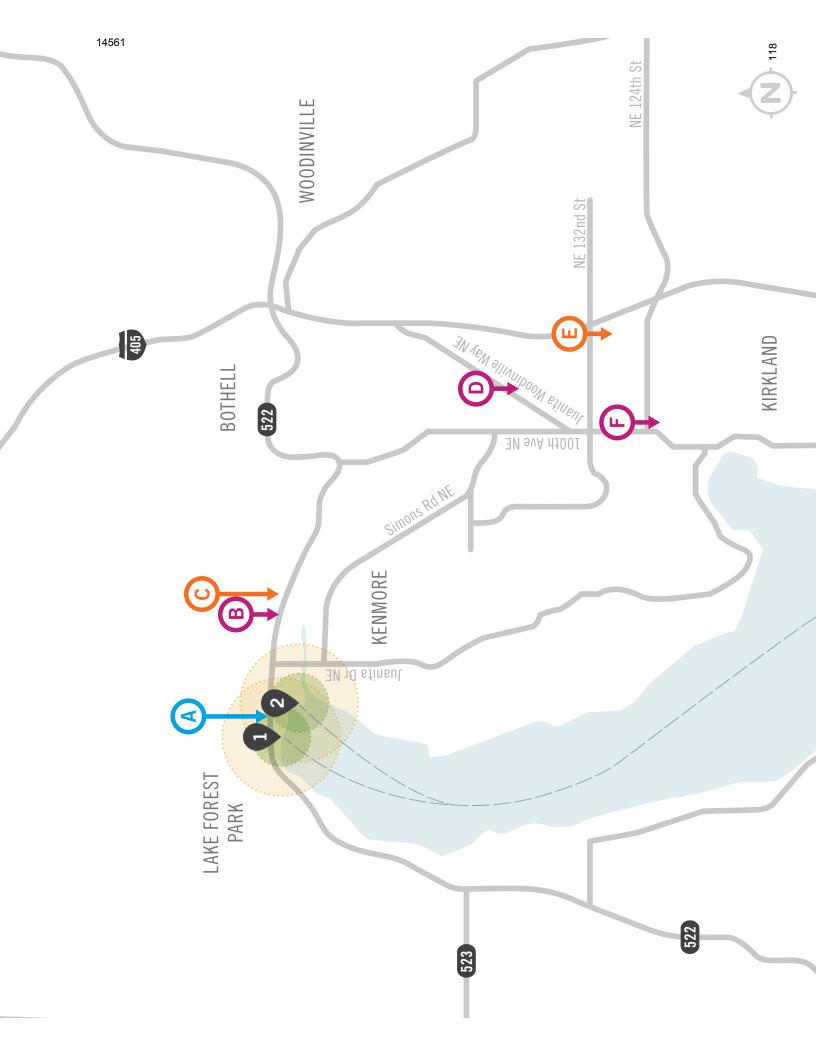
		Assessment				
Facilities	Yes/ No	Good	Fair	Poor	Considerations/Proposed Improvements	
Marine						
Ramp	Yes	Х			Wood ramp in excellent condition	
Railing	Yes		X		The ramp is not very long and grade is very slight.	
ADA Accessibility	Yes		Х		The lack of a railing could be a problem for some passengers.	
Dock/Float	Yes	X			Wood and concrete pier on piles. In excellent condition.	
Dimensions (Approx.)	Yes	X			205' x 10' allows room for passenger queuing, loading and unloading.	
Provide a set	Maria		х		Ferry may still interfere with other uses.	
Freeboard Fendering	Yes No		X	х	1' 4" Add fendering.	
Ladder	Yes	х		^	Two ladders.	
Railing	No	^		х		
Exposure	Yes			X	Dock is surrounded by an open park to the south and west.	
Surface Condition	Yes	х		^	Dock is even and smooth, but does not have a non-skid treatment. Add	
Surace condition	165	^			non-skid treatment.	
Mooring Capability	Yes	х			Dock includes cleats that are satisfactory for mooring a 149 POF vessel.	
Vessel Security	Yes			х	No existing vessel security measures. Fences and gates would interfere	
-					with other public uses.	
In Water Work Required?	No	Х				
Upland Accessibility						
General Assessment	Yes	Х			Uplands area consists of a park facility with gravel and paved trails.	
deneral hosesoment	103	~			Construction is scheduled for completion in Spring 2010 and would not	
					interfere with demonstration route service.	
ADA Accessibility	Yes	х			No ADA parking stalls near the ramp. F53 Identify and mark ADA parking	
ADA Accessionity	165	^			stalls.	
Passenger Parking	No			Х	There would be little demand for parking by riders since South Lake	
					Union would be the destination for the majority of riders on this route.	
					Owned by the City of Seattle. The parking is time limited and intended for	
					users of the park facility.	
Multi-Modal Connections						
Near Transit Stop	Yes	х			Multiple bus routes serve the South Lake Union Area. A Seattle Streetcar	
					stop is located .2 miles from the dock and provides service every 15	
					minutes to downtown and the Fred Hutchinson Cancer Research Center.	
Potential Shuttle Holding Area	No			х	It is unlikely that shuttle service would be required for this landing site.	
				~		
Pedestrian Connections/ Trails	Yes	Х			Sidewalks and trails are part of the park development and surrounding	
					streets include sidewalks. The Cheslahud Lake Union Loop runs through	
					the park	
Bicycle Facilities	Yes	Х			The Cheslahud Lake Union Loop runs through the park and provides	
					access to the Burke Gilman Trail.	
Sheltered Area or Potential Area	No			х	It is unlikely that City of Seattle would allow a sheltered area to be added	
				~	to the park.	
Area for Signage, Customer Information	Yes	Х			There is adequate area near the dock to install customer signage,	
and Ticketing		~			information and ticketing.	
Restrooms	Yes		Х		Restrooms are available in the Naval Reserve Building from 8:30 a.m. to	
					5:30 p.m.	
Safety						
Access and Egress from Dock/Ramp	Yes	Х			Facilities are of an adequate size and structure to safely accommodate	
Lighting	Yes		х		POF vessel capacity. Low light are incorporated in the dock and the South Lake Union Park	
9	165		^		plan calls for lighting within the park. Additional lighting may be required	
					on the dock.	
Potential Conflicts with other Uses	Yes		1	х	The POF could create conflicts with other users of both the park and	
rotendar connicts with other USES	162			^	marine facilities, especially during summer evenings. It should also be	
			1		noted that South Lake Union supports significant recreational and	
					commercial traffic, including float planes. Conflicts with other users of	
			1			
			1		the lake are highly likely.	

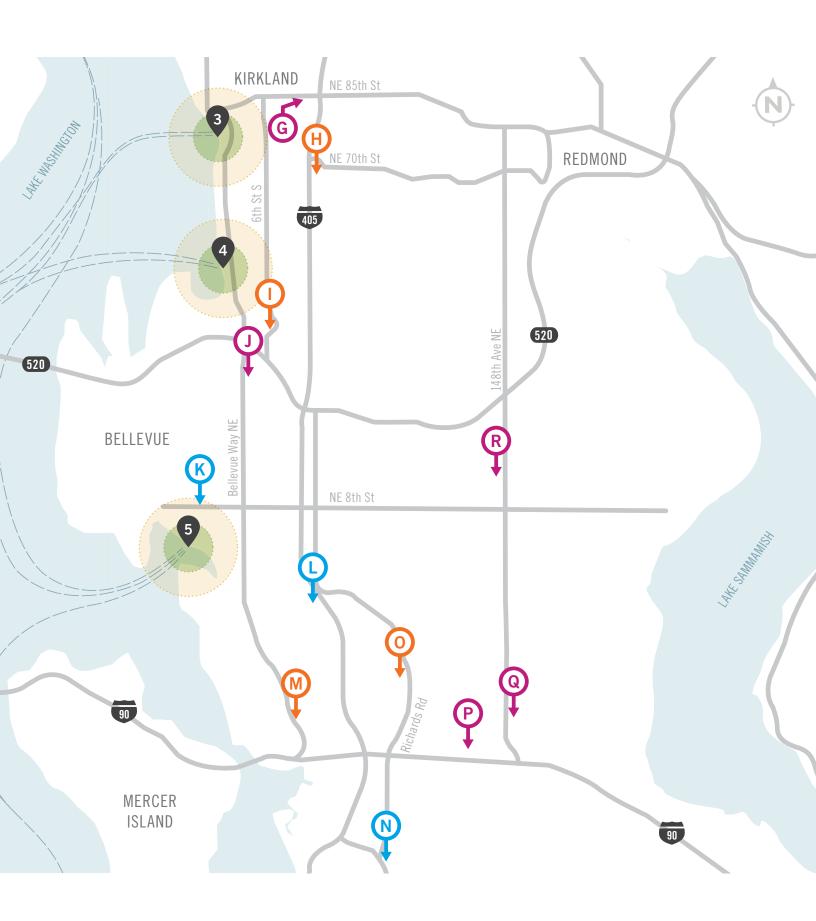
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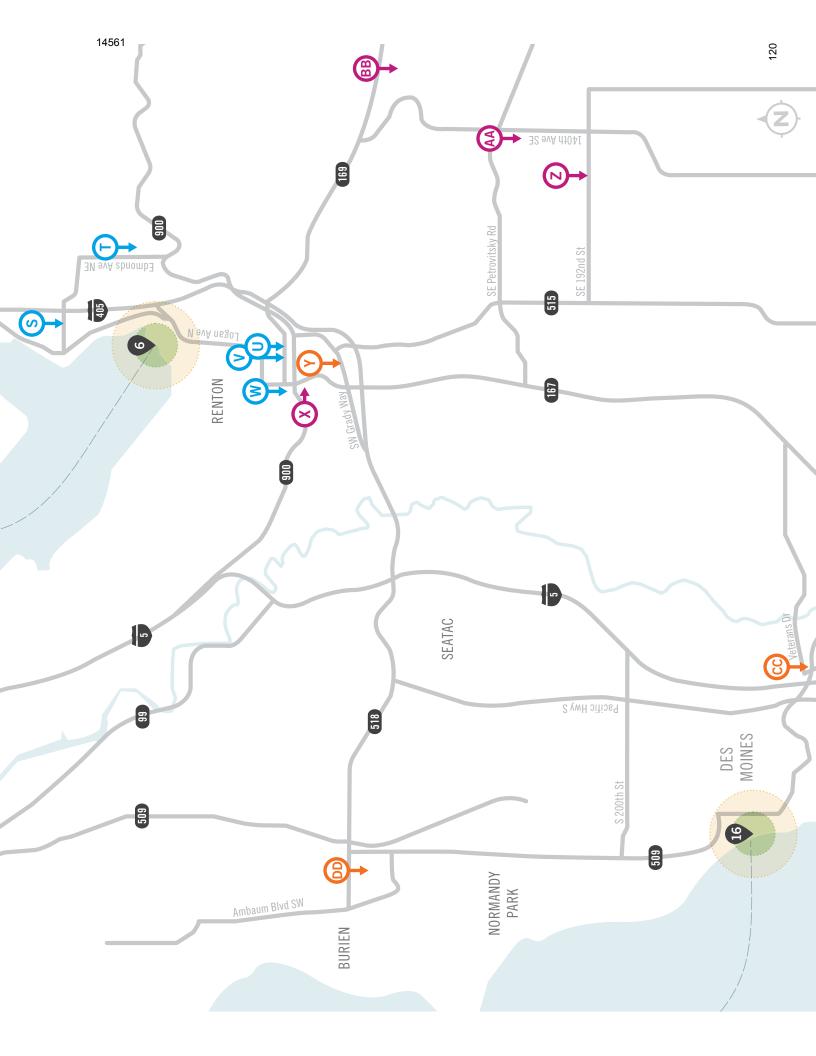
Park and Ride Locations

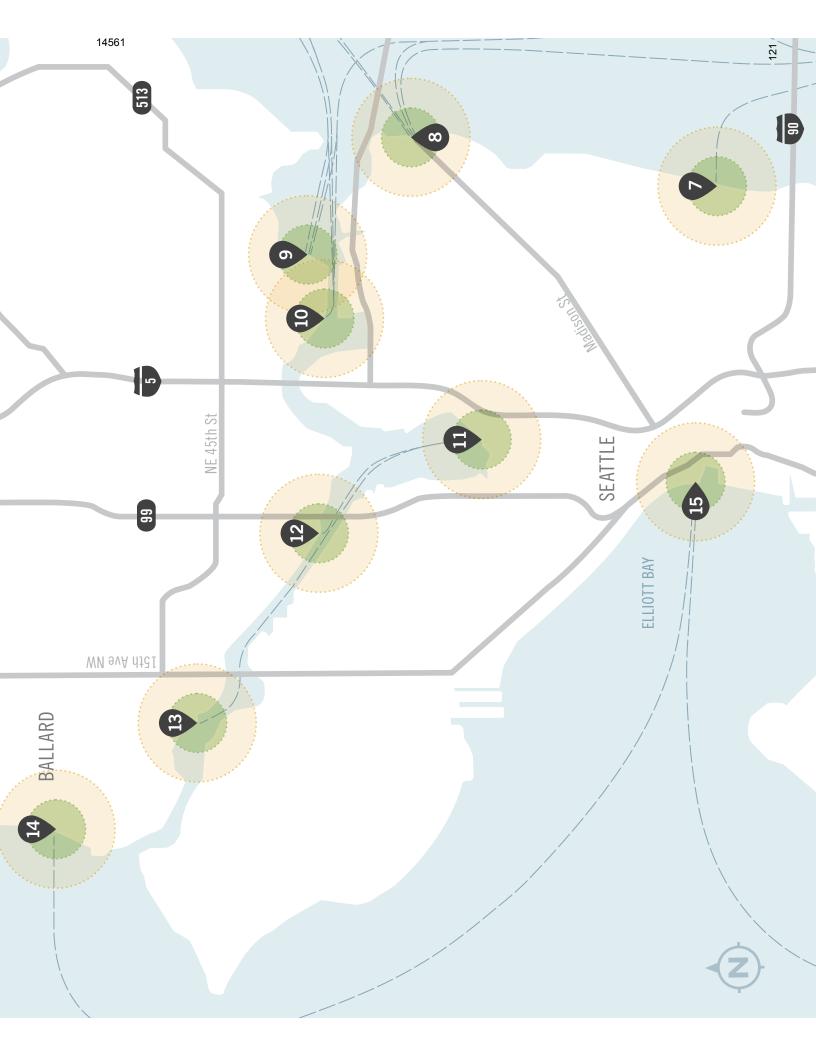
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Ш	LEGEND				561
				:	
	<sup>1/4</sup> Mile Radius	ת	UW Waterfront Activities Center (Seattle)	Σ	South Bellevue Park-and-Ride (Bellevue)
•		10	Oceanography Dock (Seattle)	z	Newport Covenant Church (Bellevue)
٢	<sup>1/2</sup> Mile Radius	11	South Lake Union (Seattle)	0	Eastgate Park-and-Ride (Bellevue)
		12	Fremont (Seattle - Exact Location TBD)	⊾	Bellevue Foursquare Church (Bellevue)
	Potential Landing Sites	13	Ship Canal at 24th Ave NW (Seattle)	Ø	St. Andrew's Lutheran Church (Bellevue)
(		14	Shilshole Bay Marina (Seattle)	8	Bellevue Christian Reformed Church (Bellevue)
S-	Park-and-Ride, <50 Parking Spaces	15	Pier 50 (Seattle)	S	Kennydale United Methodist Church (Renton)
• (		16	Des Moines Marina (Des Moines)	⊢	St. Matthew Lutheran Church (Renton)
3	Park-and-Ride, 50–200 Parking Spaces				Renton Transit Center Park-and-Ride
• (					Garage (Renton)
3	Park-and-Ride, 200+ Parking Spaces	PARI	PARK-AND-RIDES	>	Renton City Municipal Garage (Renton)
•		A	Bethany Bible Church (Kenmore)	Ν	City View Church (Renton)
		۵	Kenmore Community Church (Kenmore)	×	Renton Fred Meyer (Renton)
		ပ	Kenmore Park-and-Ride (Kenmore)	≻	South Renton Park-and-Ride (Renton)
LAN	LANDING SITES	۵	Korean Covenant Church (Kirkland)	И	Fairwood Assembly of God (Renton)
1	Log Boom Park (Kenmore)	ш	Kingsgate Park-and-Ride (Kirkland)	AA	Nativity Lutheran Church (Renton)
7	Lakepointe (Kenmore)	ш	Holy Spirit Lutheran Church (Kirkland)	BB	New Life Church (Renton)
ĸ	Marina Park (Kirkland)	പ	Kirkland Way Park-and-Ride (Kirkland)	ပ္ပ	Kent-Des Moines Park-and-Ride (Des Moines)
4	Carillion Point (Kirkland)	т	Houghton Park-and-Ride (Kirkland)	DD	Burien Transit Center (Des Moines)
Ŋ	Maydenbauer Bay Marina (Bellevue)	_	South Kirkland Park-and-Ride (Kirkland)		
9	Bristol at Southport (Renton)	٦	St. Luke's Lutheran Church (Bellevue)		
7	Leschi Public Float (Seattle)	¥	Grace Lutheran Church (Bellevue)		
ø	Madison Street Dock (Seattle)	-	Wilburton Park-and-Ride (Bellevue)		









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# King County Water Taxi

# TASK 3: RIDERSHIP ASSESSMENT ANALYSIS

Final Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS WITH BERK CONSULTING, INC. OCTOBER 30, 2015 This page intentionally left blank.

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## Attachments

Attachment A – Ridership Report

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# 1. Introduction

The purpose of this report is to outline the steps taken to assess the ridership demand for the seven routes carried forward, outline the approach for evaluation and identify those routes that will continue to infrastructure analysis.

Figure 1 outlines the routes evaluated for ridership demand, as identified in the Task 2, Route Profile Report.

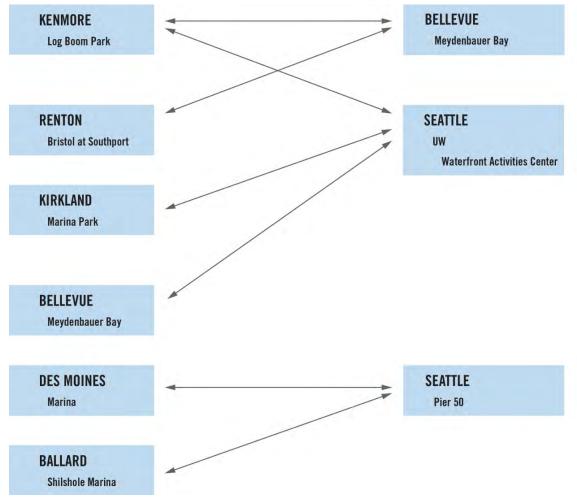


Figure 1: Routes Identified for Ridership Analysis

## 2. Methodology

In order to assess the routes projected ridership, ridership demand was calculated by Berk Consulting. The results were then used to calculate farebox recovery for each route individually and also as a three route water taxi system. This farebox recovery finding was then used to identify those routes which would move on to further analysis. Three routes identified in Figure 1 above had a high enough farebox recovery to move to the next phase of review. Please refer to the analysis below.

#### **Ridership Analysis**

This report will outline the basic structure of the ridership analysis. For a thorough documentation of ridership methodology and findings, please refer to Appendix A, Ridership Forecast.

Ridership demand was calculated by reviewing commute characteristics of populations within the vicinity of the potential water taxi landing sites. Along with population information, ridership forecasts were developed by reviewing existing and potential public transit options, route time competitiveness data outlined in Task 2, travel demand models from Puget Sound Regional Council (PSRC), and historical West Seattle Water Taxi ridership.

Each terminal location was assigned a geographic boundary based on the transportation options available to commuters near the terminal and potential barriers to easily accessing the terminal location. The capture area was weighted based on the likelihood a population would choose the water taxi (given route competitiveness with other modes of transportation) and potential barriers to access including traffic congestion approaching the terminal, parking availability at the terminal, and accessibility for pedestrians and bicyclists.

The ridership analysis also forecasted a capture rate of passengers anticipated to use the water taxi out from the capture area. As this would be a new mode of public transportation, there can be a period of time for commuters to familiarize themselves with a new transit option. To account for this period of time, Berk used the 2010 West Seattle/Pier 50 capture rate to project the capture rate for a new route.

Each potential landing site provides opportunities for recreational riders to explore the area around the ferry terminal. Generally, recreational ridership increases during the summer months. Therefore, recreational and seasonal ridership variations in service were also factored into the annual ridership projections for weekday service.

It should be noted that additional ridership analysis did not occur after the initial findings. After findings were presented in the Interim Report, additional information was provided by local jurisdictions, specifically Kenmore and Kirkland which may enhance ridership. The City of Kenmore informed the planning team that work is being done at the intersection from where pedestrians would access the Log Boom Park terminal. These improvements would alleviate existing barriers and would likely increase ridership, although insignificantly. Additionally, the City of Kirkland has requested that a circulator shuttle be considered for the operation of the Kirkland route. This enhanced access to terminal is likely to increase ridership on this route, however likely not significantly enough that would alter the program identified for this route.

#### **Farebox Recovery Analysis**

Farebox recovery is a calculation of the fraction of operating expenses that are met by fares paid by passengers. It is calculated by dividing the system, or routes total fare revenue by total operating expenses.

Farebox recovery calculations in this study were based off of King County Marine Division's 2014 actual operating expenses. Operating expenses include route specific costs, such as fuel, shuttle costs and crew labor, as well as a portion of the divisions fixed costs, which include administration/management labor and maintenance. Shared costs can be broken down into administrative costs and route-based costs (maintenance). It is assumed that adding a third route to the system would not increase the administrative fixed costs. This assumption would need to be validated once specific route needs are identified. However, any increase above three routes would require the addition of administration/management and maintenance needs and therefore costs. The division of fixed costs is portioned based on the operating hours of each route. For the purposes of this study, any new route proposed would be commute only service, much like that of the

current Vashon to Downtown Seattle (Pier 50) schedule. Therefore, route specific costs, as well as the shared costs are modeled from the existing Vashon proportioned costs.

Start-up service year (2015) route revenue was calculated by multiplying the current ORCA fare by projected ridership. A fare realization factor of 86% was applied to the calculated route revenue to account for the actual apportioned revenues received, reduced fares and non-paying customers. The 2025 revenues were determined by multiplying projected ridership by the 2025 fares (which were escalated from 2015 using existing fare policy guidelines). The fare realization factor was also applied to the 2025 calculated fare revenue.

## 3. Elimination Criteria

The elimination criterion for this analysis was based on farebox recovery calculations for the stand alone route in a 2015 (route start-up) and then 2025 (route maturity) ridership scenario. For 2015 ridership, natural breaks were apparent in the 2015 farebox recovery rates resulting in two routes with farebox recovery rates lower than 10 percent. Furthermore, routes which did not meet a mature farebox recovery of 25<sup>1</sup> percent or greater in 2025 were eliminated. The 25 percent or greater threshold for farebox recovery was based on current established King County policy.

## 4. Findings

Findings can be categorized into two pieces: ridership and farebox recovery. Farebox recovery is in part, guided by the projected ridership for each route. Table 1 provides a summary of 2015 and 2025 high forecast annual ridership projections for the seven routes reviewed.

#### **Ridership Analysis**

Generally, 2015 (start-up) ridership numbers begin in a similar range. Once the routes reach maturity in 2025, some routes show greater growth, while others remain stagnant. Kenmore, Kirkland and Ballard continue to show ridership growth, while Bellevue and Des Moines have limited growth. For these two routes, this trend is in part due to the other competing modes that are offered near Des Moines and Bellevue, which include Link Light Rail, and regular and express bus service. Kenmore and Ballard do not have substantial upgrades to the transportation infrastructure planned and, therefore, riding a water taxi becomes a more competitive mode. As for Kirkland, the new 520 bridge will be in operation with its associated tolling. The proximity of the Kirkland marina to the UW WAC and the water taxi's system reliability make this route a very competitive option.

<sup>&</sup>lt;sup>1</sup> 25 percent is the system-wide target for farebox recovery for King County Metro and the current Water Taxi routes and used as a guide in this analysis. However, Metro and the Water Taxi have been exceeding this target since 2009. (http://metro.kingcounty.gov/am/reports/annual-measures/financial.html)

Route	2015 Annual Ridership Forecast	2025 Annual Ridership Forecast	Percent Growth
Kenmore (Log Boom Park) to UW WAC	57,148	119,210	109%
Kirkland (Marina Park) to UW WAC	56,666	115,625	104%
Bellevue (Meydenbauer Bay Marina) to UW WAC	45,579	72,357	59%
Des Moines (Marina) to Downtown Seattle (Pier 50)	42,473	61,998	46%
Ballard (Shilshole Bay Marina) to Downtown Seattle (Pier 50)	59,433	107,175	80%

#### Table 1: Annual Ridership Growth by Route, 2015 and 2025

\*Note: While ridership numbers were calculated based on a 2015 year, service would not begin in 2015 as funding, terminal improvements and agreements would need to be reached with the terminal facility jurisdiction.

To put these numbers in perspective, the West Seattle route has experienced 84 percent growth in ridership from 2010, when King County took over service of the route to 2014 (4 year maturity). This route continues to experience growth, however, some of that growth can be attributed to recreational ridership, which is not applicable for the commute-only service proposed on these new routes.

#### **Farebox Recovery Analysis**

Farebox recovery calculations allow us to use the ridership projections in a meaningful way and provide a fuller understanding the financial impact of supporting new routes. As ridership reaches more mature levels, farebox recovery rates increase between 2015 and 2025. Once the data was plotted, natural breaks occurred between routes.

At system start-up (2015), five routes meet a farebox recovery of 10 percent, which include: Kenmore to UW, Kirkland to UW, Bellevue to UW WAC, Des Moines to Downtown Seattle (Pier 50) and Ballard to Downtown Seattle (Pier 50). Refer to Table 2 below.

At system maturity (2025), three routes meet or exceed the established King County farebox recovery policy target of 25 percent. The routes that met this criterion include: Kenmore to UW WAC, Kirkland to UW WAC, and Ballard to Downtown Seattle (Pier 50). The Bellevue to UW WAC and Des Moines to Downtown Seattle did not meet the evaluation criterion. Refer to Table 2 below for route specific farebox recovery at startup (2015) and at system maturity (2025).

#### Table 2: Farebox Recovery Growth Projection, 2015 and 2025

Route	Stand-Alone Farebox Recovery (at start-up 2015)*	Stand-Alone Farebox Recovery (at maturity 2025)*
Kenmore (Log Boom Park) to UW WAC	12.2%	28.0%
Kirkland (Marina Park) to UW WAC	14.0%	31.4%
Bellevue (Meydenbauer Bay Marina) to UW WAC	10.7%	18.7%
Des Moines (Marina) to Downtown Seattle (Pier 50)	10.5%	16.9%
Ballard (Shilshole Bay Marina) to Downtown Seattle (Pier 50)	16.0%	31.5%

## 5. Routes for Future Analysis

Routes identified for further infrastructure analysis include:

- Kenmore (Log Boom Park) to UW WAC
- Kirkland (Marina Park) to UW WAC
- Ballard (Shilshole Bay Marina) to Downtown Seattle (Pier 50)

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# Attachment A

**Ridership Report** 

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# **KING COUNTY MARINE DIVISION**

## Water Taxi Alternatives Ridership Forecast

June 3, 2015





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## **1.0 OVERVIEW AND APPROACH**

This report evaluates seven alternative water taxi routes in order to develop average daily and annual ridership forecasts for the years 2015, 2025, and 2040. The routes evaluated include:

- Kenmore (Log Boom Park) to University of Washington (WAC)
- Kenmore (Log Boom Park) to Bellevue (Marina)
- Kirkland (Marina) to UW (WAC)
- Bellevue (Marina) to UW (WAC)
- Renton (Southport) to Bellevue (Marina)
- Des Moines (Marina) to Pier 50
- Ballard (Marina) to Pier 50

As with the 2009 pedestrian ferry route analysis<sup>1</sup>, this study first analyzed ridership statistics for the West Seattle/Downtown Water Taxi to determine potential market capture rates for commute travel to employment centers. Following that analysis three primary factors were used to forecast commute ridership for each route alternative:

- Accessibility of the terminal to potential customers
- Market demand in the travel corridor
- Travel time competitiveness of ferry routes compared to bus/rail transit

The primary data source used for the commute ridership forecasts is travel demand model output from the Puget Sound Regional Council (PSRC). This data summarizes peak AM person-trips between origin and destination zones throughout King County and nearby areas by mode of travel (single occupancy vehicle, carpool, transit, and other). This study analyzed data from different model outputs that reflect anticipated land use and transportation conditions in 2010, 2025, and 2040.

Recreational ridership is forecasted separately using a different methodology under the assumption that all recreational trips are induced<sup>2</sup> and would not be reflected in PSRC's travel model data. The analysis considers key differences between the Water Taxi service and destination characteristics compared to the proposed route alternatives in order to estimate recreational ridership potential and growth for each route.

## 2.0 WEST SEATTLE/DOWNTOWN WATER TAXI ANALYSIS

The West Seattle to Downtown water taxi began sailings in 2005 as a seasonal service (April – October) and extended to a year-round service in late 2010. Exhibit 1 shows annual ridership as a steadily growing trend since 2010. In 2014, the water taxi carried over 282,000 passengers, the highest ridership since the route began.

<sup>&</sup>lt;sup>1</sup> KPFF Consulting Engineers 2009. *King County Ferry District Demonstration Project Technical Studies and Implementation: Refined Route Analysis*. Release date: June 30, 2009.

<sup>&</sup>lt;sup>2</sup> "Induced" trips are trips which would not have otherwise happened if the service were not available. Since these trips would not reflect regular trip making patterns, they would not be expected to be reflected in regional travel model output.

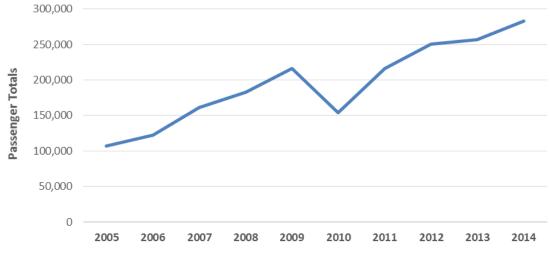
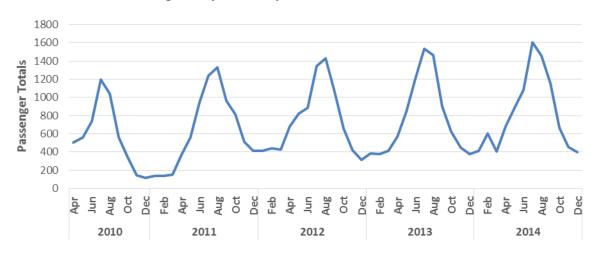


Exhibit 1. Annual Ridership, West Seattle/Downtown Water Taxi

Source: King County Marine Division, 2015; BERK, 2015

Water taxi ridership varies significantly by season due in part to the large number of summer recreational passengers. Exhibit 2 shows average West Seattle Water Taxi daily ridership from 2010 to 2014.





Source: King County Marine Division, 2015; BERK, 2015

One way to differentiate commute ridership from recreational ridership is to analyze passengers by time of sailing. Exhibit 3 show peak period commute ridership for weekday travel by month during 2010 - 2014. The AM peak period includes sailings from 6:00 - 8:45 AM while the PM peak period includes sailings from 3:45 - 6:45 PM. AM peak ridership (shown in blue) has remained fairly steady since mid-2011, with the exception of slight seasonal variation, the October 2011 Alaskan Way Viaduct closure and February 2014 Seahawks parade. PM peak period ridership, on the other hand, shows a great deal of seasonal variation as well as growth from year to year. This study assumes all AM peak period trips are

associated with commute travel and that additional PM peak period trips are for recreational travel. Therefore, to estimate daily commute ridership this study doubles AM peak period ridership. All other trips are assumed to be for recreational purposes. These assumptions are consistent with the findings of a 2008 survey of West Seattle/Downtown Water Taxi passengers.<sup>3</sup>

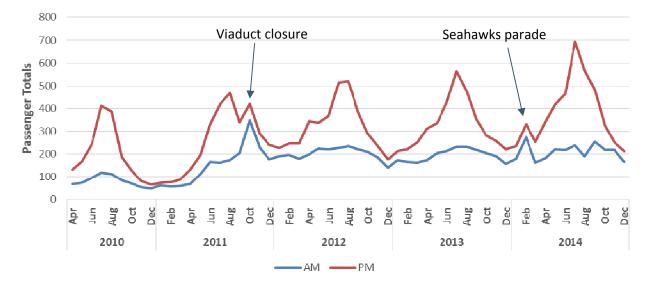


Exhibit 3. Commute Ridership, West Seattle/Downtown Water Taxi Peak

Source: King County Marine Division, 2015; BERK, 2015

Currently, the West Seattle/Downtown Water Taxi provides weekend service during the summer sailing season of April through October. Ridership data from a peak travel week in 2014 (August 4 - 10) indicates that weekend ridership can exceed weekday ridership during the peak summer months. Average daily weekday ridership during this period was 1,678 while average daily weekend ridership was 2,307.

## 3.0 COMMUTE TRAVEL LEVEL OF DEMAND

To summarize the total potential demand for ridership, BERK analyzed the volume of AM peak commute trips between each route's origin and destination market areas. This section describes the methods used to identify the geographic boundaries of origin (home) and destination (workplace) travel market areas. It also describes the travel model data used to summarize current and future market demand in each route corridor.

## 3.1 Data Source – PSRC Travel Model Output

The person-trip counts reported in this study are based on outputs of PSRC's travel demand forecasting model. This data summarizes morning peak (6:00 AM - 9:00 AM) person-trips by mode of travel between origin and destination zones throughout King County and nearby areas. This study analyzed data from different model outputs that reflect current or anticipated land use and transportation network

<sup>&</sup>lt;sup>3</sup> See KPFF Consulting Engineers 2009. *King County Ferry District Demonstration Project Technical Studies and Implementation: Refined Route Analysis*. Release date: June 30, 2009.

conditions in 2010, 2025, and 2040. The impacts of current and future toll rates, transit fares, parking costs, and congestion are all considered when determining whether the trip produced by a given household will select to travel via single occupancy vehicle, carpool, transit, or non-motorized (bicycle and pedestrian trips combined). Also considered are the socio-economic characteristics of individual households such as income, which can also have an influence on mode choice. These factors combined sometimes result in a decline in total trips between zones of interest despite a growth in housing and employment.<sup>4</sup>

The PSRC trip data is grouped by Traffic Analysis Zones (TAZ), which are geographic areas used in transportation modeling. The size of a TAZ scales with the density of the population and jobs within a specific area, and can range from the size of a few city blocks in dense urban areas to several square miles in suburban areas, or more in rural areas. Trips are summarized by origin and destination TAZ pairs; therefore, it is possible to summarize the total volume of peak AM trips from one part of King County to another, isolating travel patterns in corridors of interest.

This study seeks to forecast ridership for the years 2015, 2025, and 2040. PSRC does not provide data for the year 2015. Therefore, trip volumes for 2015 are estimated using the following formula:

2015 Trips = 2010 trips + ((2025 trips - 2010 trips)\* 0.4)

The ratio of projected King County population growth from 2010 - 2015 to PSRC's forecasted population growth from 2010 - 2025 is 0.4 or 40%. Essentially it assumes that each TAZ has achieved approximately 40% of its progress towards the 2025 household and population targets assumed in the PSRC land use and travel demand model.

A limitation of this approach is that the 2025 travel model assumes the introduction of additional highway tolling and other changes the transportation network, which are not in effect as of 2015. As a result, this method of estimating 2015 trip counts may underestimate total trips in some zones. Similarly, transit trips could potentially be overestimated if the model is forecasting a shift to transit as a result of network changes that have not yet taken place in 2015.

Finally, PSRC produces different versions of travel model output based on different assumptions about the trip-making patterns of households in the future. This study analyzed two different travel model outputs each for the years 2025 and 2040. Essentially, one forecast assumes greater reductions in trip making per household than the other. By analyzing data from each forecast BERK is able to produce two different ridership forecasts for each year, which we call "Low" and "High". These are described later in the Appendix.

## 3.2 Selection of Origin and Destination Market Areas

To measure level of demand, it is necessary to define the geographic boundaries of origin and destination market areas for each route alternative.

• Origin markets are defined as the catchment area of all household locations for which the ferry route may provide a reasonably competitive alternative to current and future transit options.

<sup>&</sup>lt;sup>4</sup> PSRC produces different versions of travel model output based on different assumptions about the trip-making patterns of households in the future. This study analyzed two different travel model outputs each for the years 2025 and 2040. Essentially, one forecast assumes greater reductions in trip making per household than the other. By analyzing data from each forecast BERK was able to produce higher and lower end forecasts of commute ridership potential.

• Destination markets are employment/activity centers that are attractors of daily commute trips.

## **Origin Market Areas**

Origin market areas are defined for all ferry landings because many routes are expected to have at least some bi-directional commute travel. Each origin market is divided into two or three segments, depending upon the presence or absence of a park-and-ride facility. Primary market areas include all TAZs within two mile of the landing site. Secondary market areas include TAZs within a 10-minute uncongested drive from the landing site. For ferry landings that include park-and-ride lots, tertiary market areas are created to take into account due to the increased accessibility for passengers arriving by automobile. Tertiary areas include TAZs within a 15-minute uncongested drive of the landing site.

The resulting market areas were then scaled back by eliminating TAZs too close to the destination. This was done under the assumption that potential riders would not travel away from their destination to access the ferry. Drive-time contours from the destination were used as a guide to eliminate TAZs where potential riders would have to back-track or drive significantly out of their way to get to the landing site. Similarly, capture areas were scaled back where ferry travel time competitiveness compared to transit options diminished significantly. Examples include areas east of 15<sup>th</sup> Street NW in Ballard and TAZs intersecting the SR 520 corridor in Kirkland and Bellevue's market areas.

In addition, select TAZs were also eliminated from a market area if barriers not captured by the GIS would make it unreasonable for potential riders to consider the ferry route. For example, the ship canal was considered a barrier (especially for walking and biking) for the Ballard market area. Even though a few TAZs south of the canal in Magnolia were not screened out by the drive-time mask, it was still unreasonable that riders would take a ferry from the Shilshole Marina to Downtown if they lived south of the canal.

Exhibit 4 through Exhibit 14Exhibit 12 show the origin market areas and associated destination market areas for each point of origin. UW and Bellevue have differentiated origin market areas based on route. These are displayed in separate maps. Exhibit 15 shows the origin and destination areas for West Seattle, as a comparison.

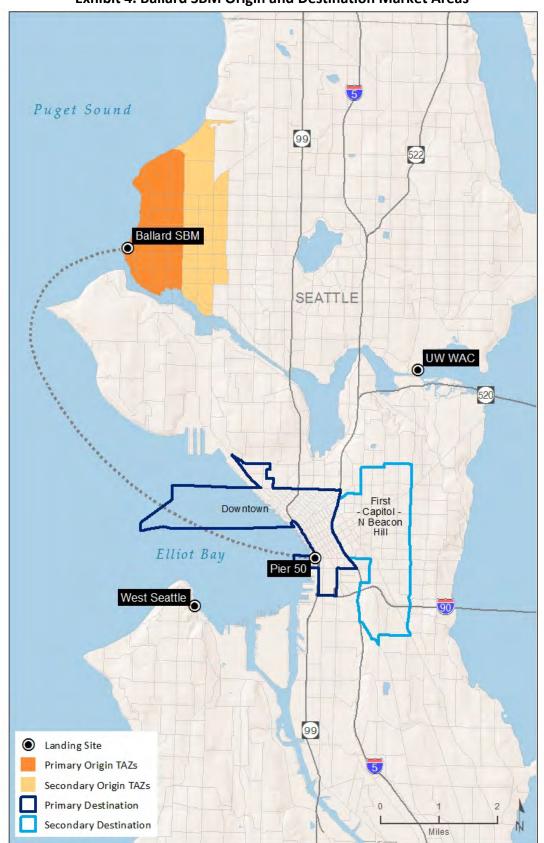
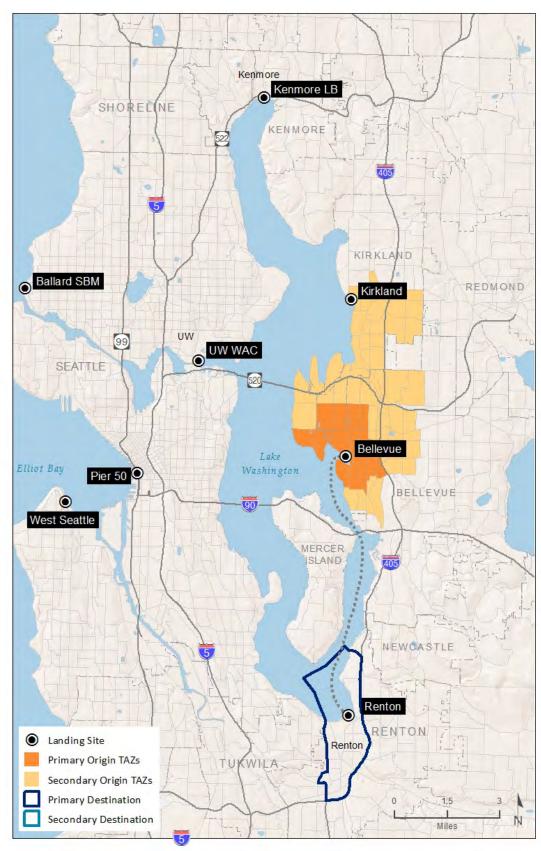
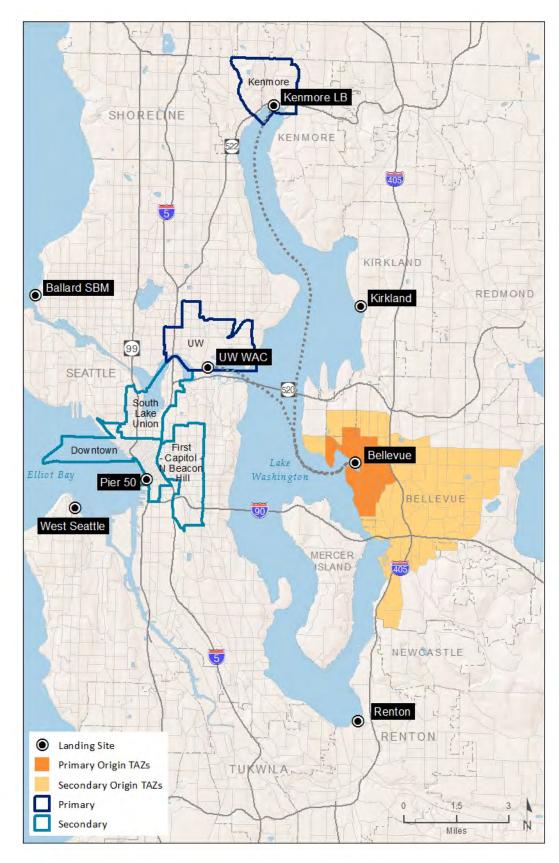


Exhibit 4. Ballard SBM Origin and Destination Market Areas









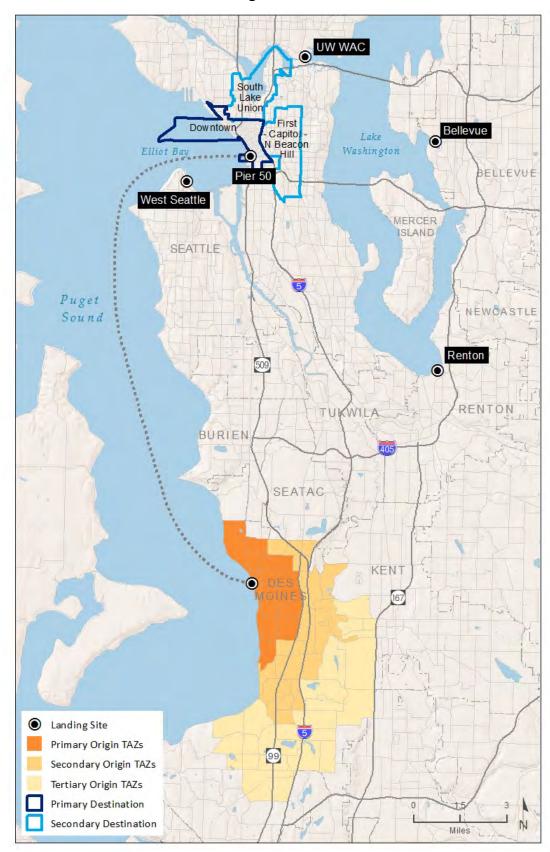


Exhibit 7. Des Moines Origin and Destination Market Areas

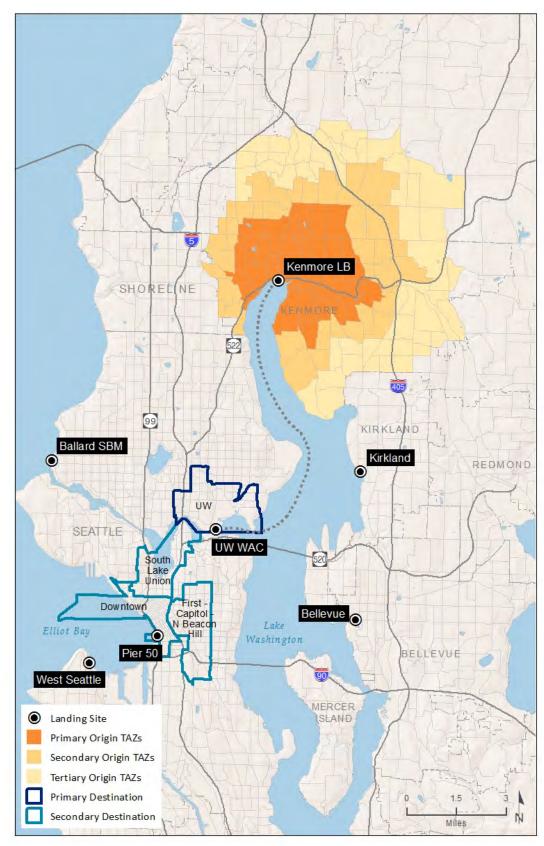


Exhibit 8. Kenmore Origin and Destination Market Areas (UW Route)

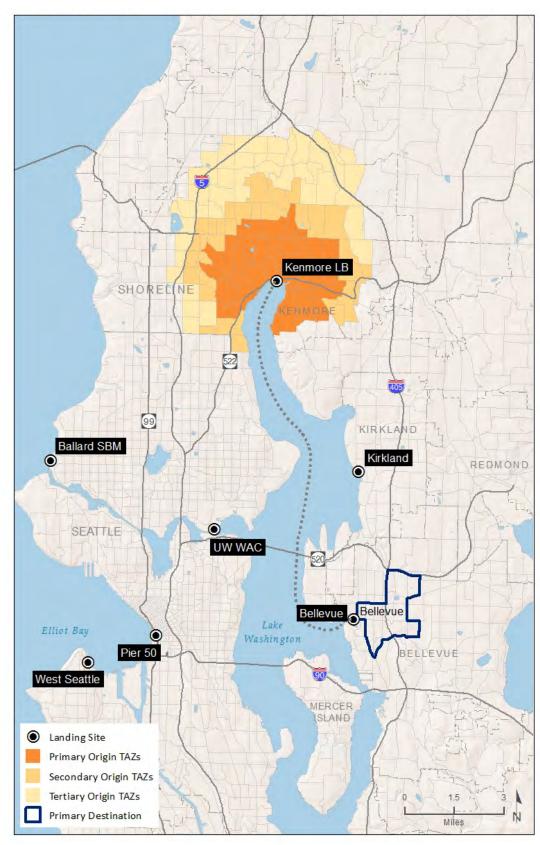


Exhibit 9. Kenmore Origin and Destination Market Areas (Bellevue Route)

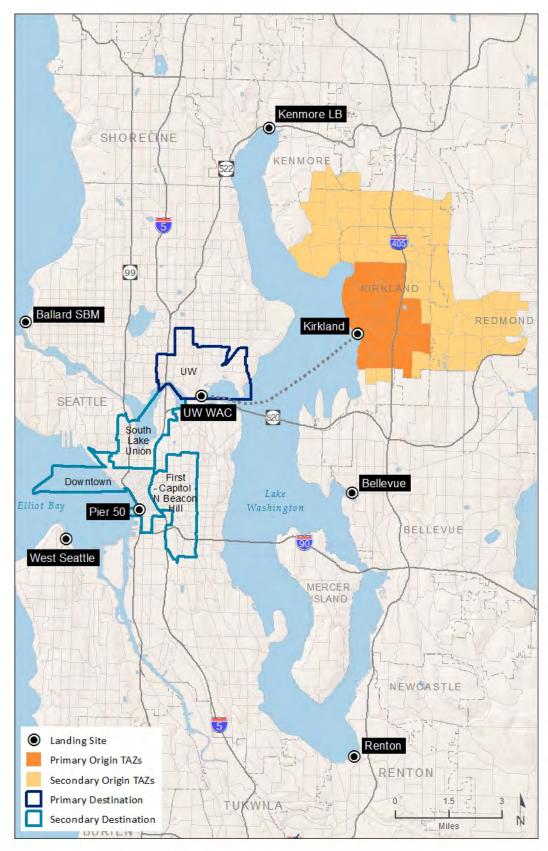


Exhibit 10. Kirkland Origin and Destination Market Areas

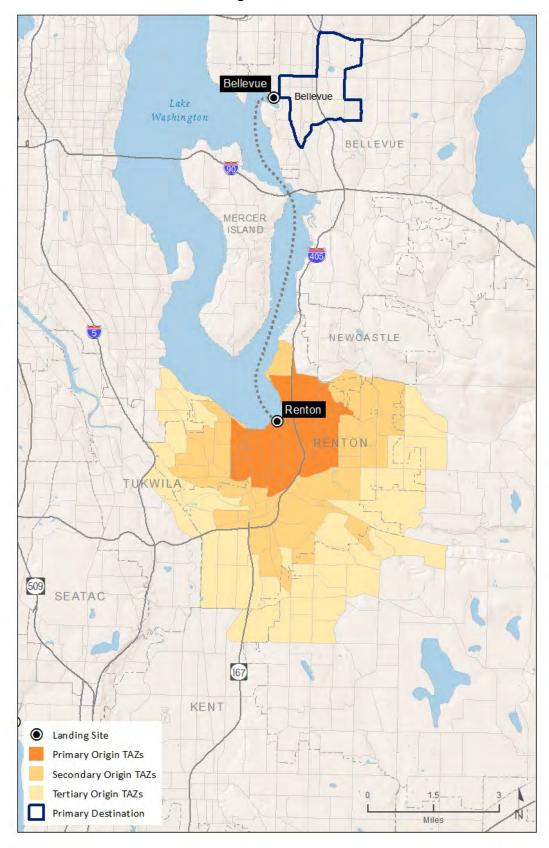
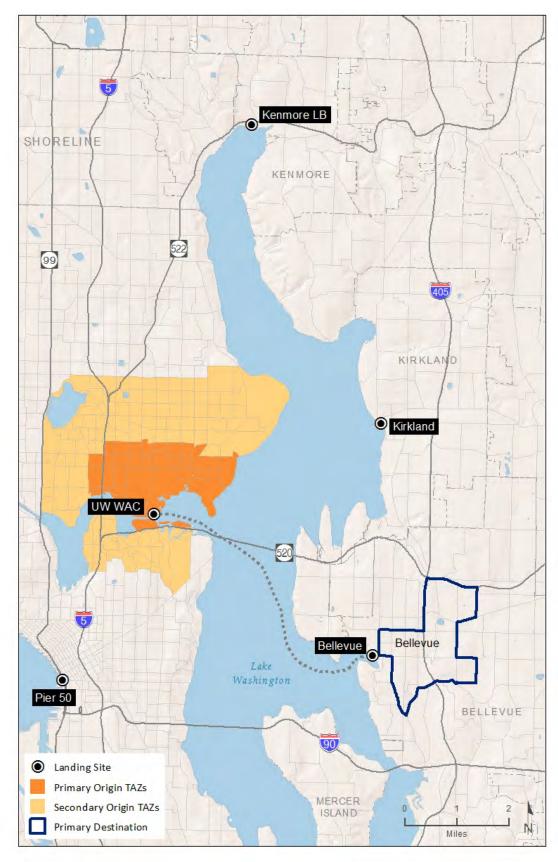


Exhibit 11. Renton Origin and Destination Market Areas



### Exhibit 12. University of Washington Origin and Destination Market Areas (Bellevue Route)

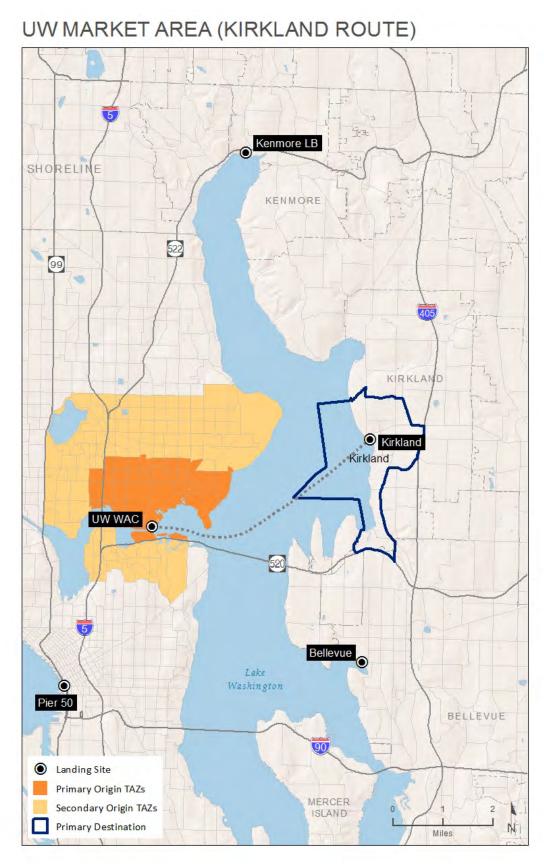
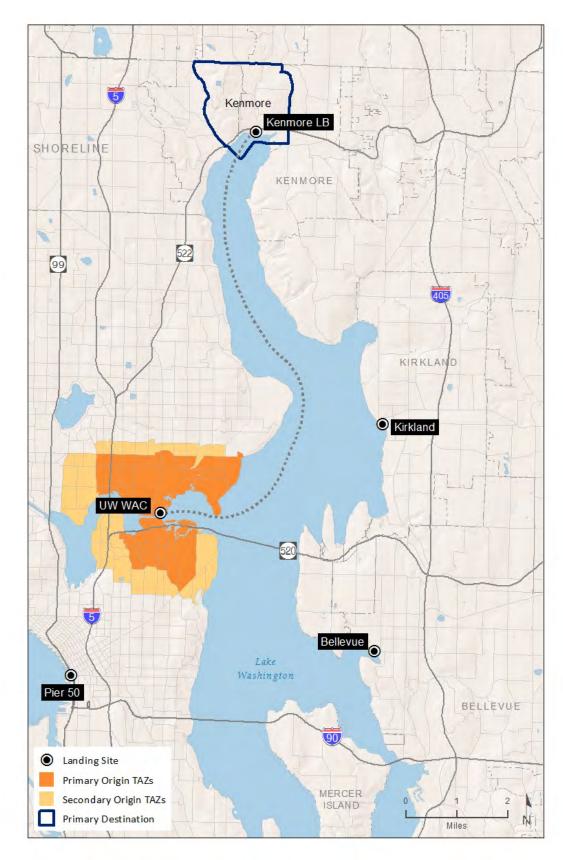
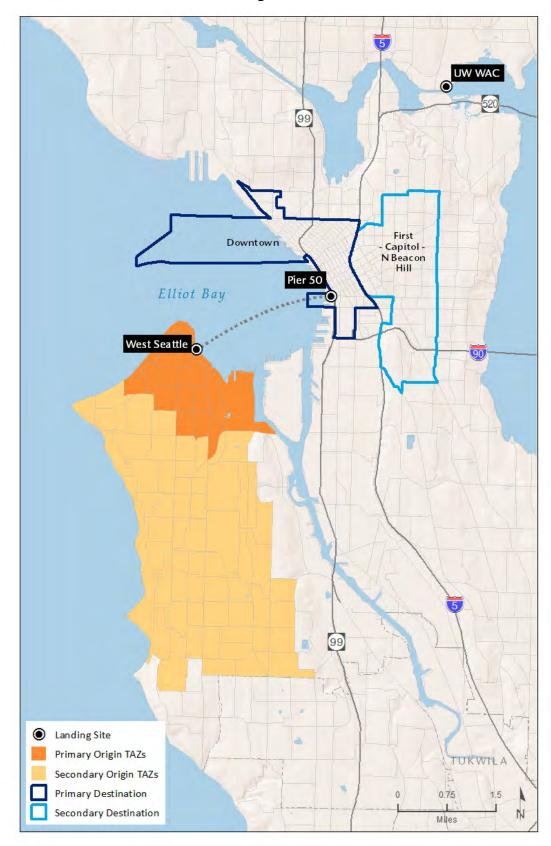


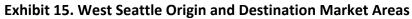
Exhibit 13. University of Washington Origin and Destination Market Areas (Bellevue Route)



## Exhibit 14. University of Washington Origin and Destination Market Areas (Kenmore Route)

Source: BERK, 2015





## **Destination Market Areas**

Destination markets emphasize areas of higher employment and are smaller than origin market areas to account for the fact that passengers must travel on foot, bicycle, or transit transfer to get to their final destination. Each ferry route is associated with one primary destination market area, which contains the ferry landing. Some ferry routes are also associated with secondary destinations. Travel to these secondary destinations would require a transfer to another form of transit or a longer bike ride from the ferry landing for a passenger traveling with a bicycle. Secondary destinations are also less competitive than primary destinations when compared to transit travel time. Exhibit 16 lists primary and secondary destinations by route alternative. The location of destination market areas are mapped in Exhibit 4 through Exhibit 14.

Route Alternative	Primary Destinations	Secondary Destinations
West Seattle – Pier 50	Downtown Seattle West Seattle	South Lake Union First Hill/Capitol Hill/North Beacon
Ballard SBM – Pier 50	Downtown Seattle Ballard	First Hill/Capitol Hill/North Beacon
Des Moines – Pier 50	Downtown Seattle Des Moines	South Lake Union First Hill/Capitol Hill/North Beacon
Kenmore LB – UW WAC	UW Kenmore	South Lake Union Downtown Seattle First Hill/Capitol Hill/North Beacon
Kirkland – UW WAC	UW Kirkland	South Lake Union Downtown Seattle First Hill/Capitol Hill/North Beacon
Kenmore LB – Bellevue	Bellevue Kenmore	None
Bellevue – UW WAC	UW Bellevue	South Lake Union Downtown Seattle First Hill/Capitol Hill/North Beacon
Renton – Bellevue	Bellevue Renton	None

Source: BERK, 2015

## 3.3 Market Area Summary

Exhibit 17 summarizes estimated total population by origin market area and proposed route alternative for 2015. Note that some origin market areas change for different route alternatives. For instance University of Washington has a larger primary market area population for the UW WAC - Bellevue route than for the UW WAC - Kenmore route because the market areas cover different TAZs. Generally, routes with tertiary market areas have the greatest total population. Routes with more limited market areas such as Ballard have the least population.

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		Estimated Population, 2015			
Origin Area	Route	Primary	Secondary	Tertiary	Total
West Seattle	West Seattle – Pier 50	17,595	57,066	-	74,661
Ballard	Ballard SBM – Pier 50	17,161	25,375	-	42,537
Bellevue	Bellevue - Renton	27,481	36,920	-	64,401
Bellevue	Bellevue – UW WAC	27,481	53,352	-	80,832
Des Moines	Des Moines – Pier 50	34,916	32,211	59,721	126,848
Kenmore	Kenmore LB – UW WAC	41,356	58,920	73,934	174,210
Kenmore	Kenmore LB – Bellevue	31,482	53,855	45,345	130,683
Kirkland	Kirkland – UW WAC	23,360	82,483	-	105,843
UW	UW WAC - Bellevue/Kirkland	43,054	72,737	-	115,792
UW	UW WAC - Kenmore	35,648	44,994	-	80,642
Renton	Renton – Bellevue	33,706	39,402	56,265	129,373

Exhibit 17. Estimated Population by Origin Market Area, 2015

Exhibit 18 summarizes estimated employment for the year 2013 by destination market areas. Unlike origin market areas, destination markets do not change in size by route alternative. Downtown Seattle, South Lake Union, and Bellevue have the greatest estimated employment. Kenmore and Ballard have the least.

Destination Area	Estimated Employment
West Seattle	8,767
Ballard	2,841
Bellevue	71,425
Des Moines	4,675
Downtown	115,023
First - Capitol - N Beacon Hill	56,842
Kenmore	1,636
Kirkland	17,428
Renton	24,183
South Lake Union	81,494
UW	46,109

Exhibit 18. Estimated Employment by Destination Market Area, 2013

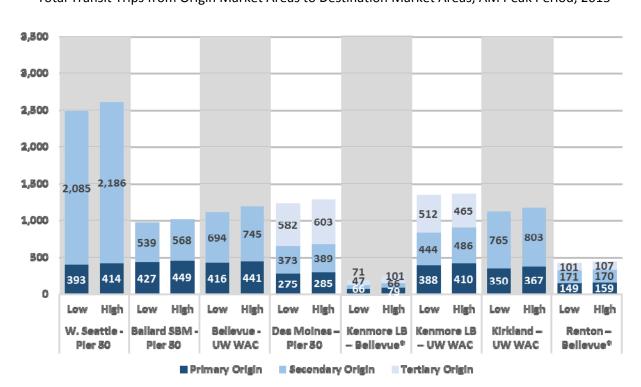
Source: PSRC, 2015; BERK, 2015

## 3.4 Findings – Commute Travel Level of Demand

Exhibit 19 through Exhibit 21 summarize level of demand for the West Seattle/Downtown Water Taxi as well as for each proposed route alternative for the years 2015, 2025, and 2040. This analysis treats pedestrian ferries as a form of transit. PSRC travel model data forecasts total demand for transit travel between origin and destination TAZs during the peak AM commute period. So this study measures demand as total peak AM transit trips between origin market areas and potential destinations for each proposed ferry route alternative.

As discussed previously, BERK analyzed two different sets of PSRC travel model output data to calculate a range of possible demand depending upon future household trip making habits. Therefore, two bars are shown for each route: one representing each forecast (Low and High). The 2015 forecast does not show significant difference between the Low and High bars due to greater certainty about near-term travel patterns. By 2040, the difference between the Low and High forecasts becomes more noticeable.

Each bar is divided into three segments, corresponding to primary, secondary, and tertiary origin market areas (primary being the closest and tertiary the furthest from the ferry landing). Demand from each of these market area segments is treated differently in the ferry ridership forecasting analysis, as discussed later in this Appendix. In 2015, many of the proposed routes have similar demand within their primary market areas. The exceptions include Kenmore – Bellevue, Renton – Bellevue, and Des Moines – Pier 50. Much larger difference can be seen when comparing the secondary and tertiary market demand. The West Seattle – Pier 50 route has the highest demand overall in 2015. The next two highest demand routes (Kenmore – UW and Des Moines – Pier 50) benefit from the inclusion of tertiary market areas due to the availability of parking. Routes that do not include Downtown Seattle as a primary or secondary destination show the lowest overall demand. These include Renton – Bellevue and Kenmore – Bellevue.



**Exhibit 19. Level of Demand by Proposed Route – High and Low Forecasts** Total Transit Trips from Origin Market Areas to Destination Market Areas, AM Peak Period, 2015

Note: Routes with an asterisk (\*) do not have secondary destinations.

Source: PSRC, 2015; BERK, 2015

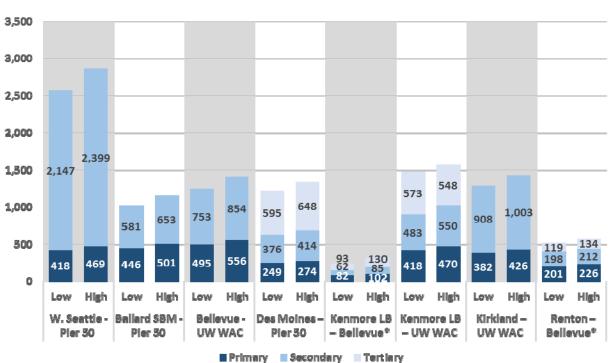


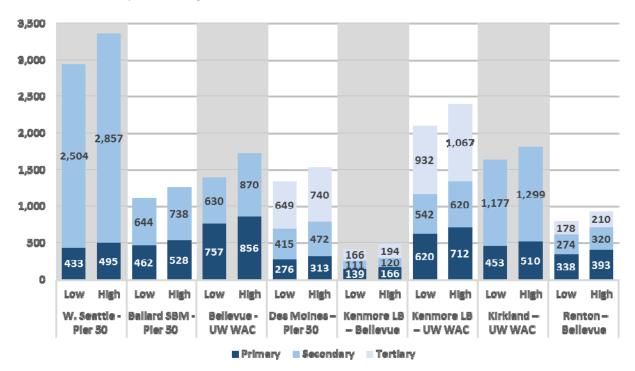
Exhibit 20. Level of Demand by Proposed Route – High and Low Forecasts

Total Transit Trips from Origin Market Areas to Destination Market Areas, AM Peak Period, 2025

Source: PSRC, 2015; BERK, 2015

#### Exhibit 21. Level of Demand by Proposed Route - High and Low Forecasts

Total Transit Trips from Origin Market Areas to Destination Market Areas, AM Peak Period, 2040



Source: PSRC, 2015; BERK, 2015

By 2040, demand for transit travel grows for all proposed route alternatives. However, this growth is more rapid for some routes. The routes with the fastest percentage growth in demand are the ones with

the lowest demand overall: Kenmore – Bellevue and Renton – Bellevue. Routes landing at Pier 50 show the slowest growth in demand. Routes from the north and east side of Lake Washington to UW all show moderate to rapid growth in demand. By 2040, the Bellevue – UW route will have the largest primary origin demand of all proposed route alternatives. Kenmore - UW also emerges with the second largest primary market demand and largest demand overall among the proposed route alternatives.

#### **COMMUTE RIDERSHIP FORECAST** 4.0

This study breaks ridership forecasts into two components: commute ridership and recreational ridership. Section 4.0 focuses on the commute ridership component.

#### 4.1 **Commute Ridership Capture Rate**

Commute ridership for each route alternative is forecasted based on the assumed percentage share of travelers that choose to ride the ferry out of the total market demand for transit travel from the origin market areas to the destinations served. The best available information regarding potential capture rates can be derived by estimating actual capture rates for the West Seattle/Downtown Water Taxi. Commute ridership capture rates for the proposed route alternatives are expected to vary based on the relative travel time competitiveness of their service compared to other transit options, as will be discussed later.

This study begins with the assumption that market capture rates will be highest for trips starting in the primary origin market area (TAZ closest to the origin ferry terminal) and ending within the primary destination area. Therefore, the analysis began by estimating a "base" market capture rate just for trips from West Seattle's primary origin market area and ending in Downtown Seattle. This capture rate is estimated using actual AM peak West Seattle/Downtown Water Taxi ridership data for 2010 and 2014 as well as estimated level of demand (peak AM transit trips) for the same years.<sup>5</sup> However, not all commute passengers on the West Seattle ferry route are assumed to be traveling to downtown destinations. The actual origins and destinations of water taxi passengers is unknown. Therefore, for the purpose of estimating base capture rates, this study assumes that 71% of peak morning commute passengers start their trip within the primary origin market area and are bound for downtown destinations, while the remaining 29% have different origins and/or destinations. Exhibit 22 shows base market capture rates estimated for the West Seattle/Downtown Water Taxi.

Exhibit 22. West Seattle/Downtown Water Taxi Market Capture Rates		
	2010	2014
Average daily peak AM ridership, summer season (April – Oct)	103	217
Total transit trips from West Seattle primary origin market area to primary destination market area (Downtown Seattle)	307	311

<sup>&</sup>lt;sup>5</sup> As discussed previously, "level of demand" refers to total transit trip during the AM peak period from primary origin area TAZ to primary destination area TAZ. 2010 demand is calculated directly from 2010 PSRC travel model output. 2014 demand is estimated in a similar method as used for 2015, described under Data Source on page 4.

Assumed percentage of all peak AM ridership to start in primary origin market area and end in primary destination market area (Downtown Seattle)	71%	71%
Estimated market capture rate for trips starting in primary origin area and ending in Downtown Seattle (Base market capture rate)	24%	49%

Source: King County Marine Division, 2015; PSRC, 2015; BERK, 2015

By comparing ridership and base market capture rates for 2010 and 2014, it is clear that the West Seattle Water Taxi has increased its share of potential travelers over time as customers have become more familiar with the service and its potential utility for commute travel. It is not realistic to assume that new ferry routes would achieve the 2014 Water Taxi base capture rate on opening day. Therefore, this study uses the Water Taxi's 2010 capture rate as a proxy for the potential base capture rate for a new route's first year of operation. The 2014 Water Taxi base capture rate is considered by this study to be the potential base capture rate for a water taxi system that has reached its maturity.

Even though 2010 is five years after the inception of the West Seattle water taxi service, there are certain reasons why it is appropriate to use 2010 as a proxy for the year one base capture rate for new routes. Firstly, in 2010 the Water Taxi was relocated from Pier 55 to Pier 50. Ridership dropped significantly that year<sup>6</sup>, likely in part as a consequence of the move and change in system operator. Both new and existing passengers needed to reacquaint themselves with the new service and new landing location to determine how it meets their commute needs. Secondly, Water Taxi service was a new concept to Seattle area commuters when it was introduced in 2005. Today, the water taxi has been around for over a decade and has been established as a reliable option for some commuters.

It is also necessary to estimate market capture rates for trips that start in a secondary or tertiary origin market area and for trips that end in a secondary destination. This study assumes that these rates will be lower due to the increased travel time necessary to reach the ferry terminal and/or reach the final destination after the ferry trip. This increased travel time reduces the likelihood that ferry travel will be the most convenient or attractive option in comparison to bus/rail transit or another mode of travel. Estimated capture rates for trips in these categories are calibrated to reproduce the actual 2014 ridership counts for the West Seattle/Downtown Water Taxi.

Exhibit 23 shows relative market capture rates for trips by category.

Capture Rate	Trip Origin	Trip Destination	
Highest (Base rate)	Primary	Primary	
	Primary	Secondary	
	Secondary	Primary	
	Secondary	Secondary	
	Tertiary	Primary	
Lowest	Tertiary	Secondary	

#### Exhibit 23. Relative Market Capture Rates by Trip Category

<sup>&</sup>lt;sup>6</sup> Annual ridership in 2010 was similar to that in 2007, as shown in Exhibit 1.

Not all proposed route alternatives will be able to achieve the same capture rates as the West Seattle/Downtown Water Taxi. Base capture rates are expected to vary based on the relative travel time competiveness<sup>7</sup> of commuting via ferry when compared to bus or rail transit.

Exhibit 24. Baseline Travel Time ComparisonExhibit 24 summarizes travel time competitiveness of ferry travel versus public transit with a focus on three employment center destinations. For Lake Washington routes landing at UW WAC, travel time competitiveness is measured in two ways: trips to the UW Medical Center, and trips to University Street Station in downtown Seattle due to the relative ease of transfer to the UW light rail station scheduled to open in 2016. The West Seattle/Downtown Water Taxi route is provided for comparison.

	Destination			
Route Alternative	UW Med Center	University Street Station (Downtown)	Bellevue Transit Center	
West Seattle - Pier 50		2%		
Ballard SBM - Pier 50		-38%		
Bellevue - UW WAC	-27%	-37%		
Des Moines – Pier 50		-39%		
Kenmore LB – UW WAC	17%	-24%		
Kenmore LB – Bellevue			-16%	
Kirkland – UW WAC	-12%	-21%		
Renton – Bellevue			-17%	

# Exhibit 24. Baseline Travel Time Comparison

Source: KPFF, 2015; BERK, 2015.

Only one proposed route offers a travel time savings when compared to travel on bus or rail: Trips from Kenmore to the UW Medical Center. The remainder of routes are less competitive in comparison to bus/rail, to varying degrees. Kenmore to UW is also the only route that is more competitive than the West Seattle/Downtown Water Taxi.

Relative travel time competitiveness is used as the primary basis for determining the base market capture rate for each proposed route alternative. The base rates are calculated by increasing or reducing the West Seattle/Downtown Water Taxi base capture rate proportionally to the travel time competitiveness of the proposed route alternative. For instance, the base rate for the Ballard SBM – Pier 50 is assumed to be 38% lower than the West Seattle – Pier 50 rate. Likewise, the base rate for the Kenmore – UW WAC route is assumed to be 17% higher than the West Seattle – Pier 50 rate. Additional adjustments to market capture rates were made to account for terminal area characteristics that are expected to impact the attractiveness of a route for commute travel. Exhibit 25 shows base market capture rates for each proposed route alternative with West Seattle provided as a comparison. Note that the 2015 rates reflect the reduced capture potential during the initial year of service.

<sup>&</sup>lt;sup>7</sup> The methodology for analyzing travel time competitiveness for commute travel was introduced earlier in this report.

	Ye	cast		
Route Alternative	2015	2025	2040	
West Seattle - Pier 50	49.3%	49.3%	49.3%	
Ballard SBM - Pier 50	14.8%	30.7%	30.7%	
Bellevue - UW WAC	15.7%	32.6%	32.6%	
Des Moines – Pier 50	14.5%	27.2%	27.2%	
Kenmore LB – Bellevue	17.8%	37.1%	37.1%	
Kenmore LB – UW WAC	27.7%	57.6%	57.6%	
Kirkland – UW WAC	20.8%	43.2%	43.2%	
Renton – Bellevue	17.7%	36.7%	36.7%	

#### Exhibit 25. Assumed Base Market Capture Rates by Proposed Route Alternative

Source: BERK, 2015.

Characteristics of terminal locations that are anticipated to affect the attractiveness of routes for commute travel are discussed below.

#### Landing Area Characteristics Affecting Commute Ridership Potential

#### Pier 50 / Downtown Seattle

Downtown Seattle is the largest employment center in the region and is assumed to be the destination of nearly all morning commute trips on routes that include Pier 50. The landing is located near the south end of downtown Seattle. The surrounding streets all include sidewalks, cross walks, and excellent network connectivity for ease of pedestrian travel. Pedestrians must climb a hill for trips to downtown. However, the grade is not nearly as steep at Pier 50 as it is further north on the waterfront. Due to the high employment density of downtown, a great number of jobs are within an easy walk of the terminal. Jobs on the northern end of downtown would require a longer walk or bus transfer. Due to the large number of bus routes traversing the area, nearly all major job site within the downtown or secondary destination market areas (South Lake Union and First Hill/Capitol Hill/North Beacon) could be reached with a single bus transfer. However, all transfers would require additional walking time from the ferry terminal. Conversely, commuters arriving by bus or rail would be less likely to require a transfer for travel to employment sites downtown. And those requiring a transfer would likely not have as far a walk to reach the transfer point as would a traveler arriving by ferry.

The additional time required to travel to many downtown job sites is reflected in the travel time competitiveness calculations. Ferry travel time includes a 15 minute walk to University Street Station in the center of Downtown Seattle whereas bus/rail travel time assumes the rider will disembark at University Street Station requiring no additional walk time to the job site. For routes destined for Pier 50, market capture rates for trips to secondary destinations (South Lake Union and First Hill/Capitol Hill/North Beacon) are discounted by 66% from the base to reflect the diminished travel time competitiveness of ferry travel for reaching these destinations and relative inconvenience of making transfers compared to travelers arriving by bus or rail.

#### **Ballard / Shilshole Bay Marina**

While Ballard is a minor employment center in the Seattle region, Shilshole Bay Marina is located about 1.5 miles from the neighborhood commercial center and industrial jobs along the waterfront. Therefore, it is anticipated that the majority of commute travel will use Ballard SBM as the point of origin. The Ballard terminal would have onsite parking, which would allow driving ferry riders the ability to drive and park their car at or near the ferry terminal. Bikers and pedestrians can also access the potential Ballard ferry terminal via the Burke-Gilman trail, which is located nearby.

The most densely populated portions of Ballard along NW Market Street and 15<sup>th</sup> Avenue NW feature frequent bus service direct to downtown. Therefore many Ballard residents would likely find commute travel by bus to be a faster and more convenient option for most downtown job sites. However, for some Ballard residents ferry travel may be an attractive option, particularly for those living in the northern and western portions of the neighborhood where buses travel times are significantly higher.

The origin market areas for Ballard reflect the travel time competitiveness compared to transit as well as the fact that the street network provides limited points of access to the ferry landing, extending travel times. No tertiary market area is included, despite the presence of parking, due to the assumption that commuters in tertiary areas would have to travel too far out of their way to access the terminal.

#### Bellevue – Meydenbauer Bay Marina

Bellevue is anticipated to be both an origin and destination point for commute travelers. The terminal is located at Meydenbauer Bay Marina and would have no onsite parking. A shuttle bus would be available to take passengers to/from the Bellevue Transit Center (approximate 6 minutes away). The ferry terminal is located along a residential street making passenger drop off and pick up difficult, and also risks creating local traffic problems. Additionally, the drop-off passenger point to the ferry terminal would be near the entrance to the marina. Passengers would then have to walk down a steep grade road without sidewalks to get on a ferry. Conversely, passengers destined for Bellevue would be faced with a steep climb up the hill to reach the shuttle.

The Bellevue Transit Center is a major regional transit hub and provides access to at least 20 Metro and Sound Transit bus lines. It is also located in the heart of Downtown Bellevue which features a high density of employment. Many ferry travelers could walk to work sites from the transit center without requiring an additional bus transfer.

Market capture rates have been adjusted downward to reflect the difficulty in accessing the Bellevue ferry terminal and steep hill climb required for potential ferry passengers. Additionally, the market capture rate for secondary destinations (including Downtown Seattle) is further reduced after 2025 to reflect the opening of Link Light Rail and the increased competitiveness of this transit option when compared to ferry travel.

#### **Des Moines**

The Des Moines Marina is located in downtown Des Moines. The Des Moines Terminal would have onsite parking, which would give ferry drivers the ability to drive and park their car at or near the ferry terminal. There are adequate sidewalks around the marina for travelers arriving by foot. Commuters could also access the potential Des Moines ferry terminal via three different bus routes. Additionally, the Des Moines Creek Trail provides direct access to the marina for bicycle commuters.

This ferry route would compete directly with bus service to Downtown Settle via the Kent-Des Moines Park and Ride (3 miles away), which features frequent transit service during peak commute periods. Furthermore, Link Light Rail is funded to expand service to Kent/Des Moines. Due to the anticipated improved competitiveness of this new rail service, the base capture rates for Des Moines is adjusted downward in the 2025 and 2040 forecasts.

#### Kenmore – Log Boom

The Kenmore - Log Boom Terminal is located on the Kenmore Waterfront. The terminal would have no onsite parking, and this study assumes a shuttle from the Kenmore Park and Ride, which would take approximately 4 minutes. There is a small parking lot to facilitate passenger drop off and pick up. Sidewalks and walkways are available for travelers arriving on foot. However, a pedestrian would have

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to walk up a short but steep hill to access the nearest transit stop, which provides access to six different bus routes. Finally the terminal is well suited to provide access to commuters arriving by bicycle, as the Burke Gilman Trail, which runs through Log Boom Park.

No special market capture adjustments are made to account for Kenmore Log Boom landing area characteristics.

#### **Kirkland**

The terminal is located at the Kirkland Marina Park in the Kirkland Central Business District. There would be no onsite parking, and there is no shuttle assumed for this route. Parking in the surrounding streets is time limited, but there are some nearby commercial lots that offer all day rates. The Kirkland Transit Center is an eight minute walk from the terminal and offers access to several bus routes. There are ample sidewalks and street connectivity in the surrounding neighborhood to facilitate accessibility to foot passengers. Commuters destined for Kirkland could walk to jobs in the central business district or transfer to a bus at the Transit Center to neighboring employment centers.

No special market capture adjustments are made to account for Kirkland landing area characteristics.

#### **Renton – Southport**

The Renton Southport terminal is located at the Gene Coulon Memorial Park, north of Downtown Renton. The Renton ferry terminal would have onsite parking available to ferry passengers. From the parking lot, passengers would access the terminal through a dead end, private roadway. Access is also provided to the dock via Gene Coulon Memorial Beach Park from 7:00 a.m. to dusk. The City of Renton has plans to connect the waterfront and anticipated new waterfront development to the Bus Rapid Transit corridor at the Park Avenue and 757th Avenue intersection and business district. This would greatly facilitate pedestrian access to the terminal from the surrounding area. The terminal is also accessed via bike on the Lake Washington Trail and the Cedar River Trail. Commuters arriving by bus would need to walk a half mile from the nearest stop.

While Renton is assumed to primarily serve as the origin for commute trips to Bellevue, the terminal is located within walking distance to the Boeing facility and jobs at The Landing (a nearby commercial and mixed use development). Additional commercial development is planned in the waterfront area, and could be well served by the ferry terminal.

No special market capture adjustments are made to account for Renton landing area characteristics.

#### **University of Washington – Waterfront Activities Center**

The University of Washington (UW) terminal is located at the UW Waterfront Activities Center on the south end of campus near Husky Stadium, and a six minute walk from the new Link light rail station. The terminal would have no onsite parking. However, the area is well served by connecting transit as well as the nearby Burke-Gilman Trail.

Commute passengers disembarking at UW could walk or bike to job sites on the campus, UW Medical Center, or in the University District. Given the peripheral location of the terminal, walk times would range from 5 to 25 minutes depending upon the work site. Several bus transfers would also be available at the Link light rail station. Commuters bound for Downtown or Capitol Hill could also transfer to the light rail which is expected to offer frequent and rapid service.

Travel time competitiveness for trips to Downtown is assessed assuming a transfer at the light rail station. Due to the relative ease of transfer to the light rail, the market capture rate for trips to secondary destinations (Downtown Seattle, First Hill/Capitol Hill/North Beacon Hill) are based on travel

time competitiveness when compared to bus/rail transit with only a modest (10%) additional reduction in rate to account for the additional seat change.

Findings - Commute Ridership Forecast

Exhibit 26 through Exhibit 28 show forecasted daily commute ridership for the West Seattle/Downtown Water Taxi and each proposed route alternative. For each route the Low and High forecast are displayed, indicating a range of assumptions about future travel behavior in the PSRC travel model data. This range is more pronounced in the 2025 and 2040 forecasts. Furthermore, these forecasts reflect average daily commute travel during the summer season.<sup>8</sup>

In 2015 all of the proposed route alternatives are forecasted to have significantly less daily commute ridership than the existing West Seattle – Pier 50 route, reflecting the assumption of reduced market capture rates during the initial year of service. Among the alternatives, Kenmore – UW has the highest ridership forecast with between 163 and 173 forecasted daily commute trips. Kirkland – UW is not far behind with 150 – 157 daily commute trips. Both Ballard – Pier 50 and Bellevue – UW are forecasted to have approximately 130 daily commute riders. Des Moines – Pier 50, Renton – Bellevue, and Kenmore – Bellevue all are forecasted to have significantly lower ridership.

The forecasted ridership increases significantly in 2025 and 2040 for all routes, reflecting the greater market capture rate expected for a mature ferry service as well as increased demand for travel. By 2040 Kenmore – UW is forecasted to have the highest commute ridership with 536 to 618 daily trips, surpassing West Seattle – Pier 50. The next strongest route is Kirkland – UW with 418 to 470 daily trips.

<sup>&</sup>lt;sup>8</sup> Ridership data for the West Seattle/Downtown Water Taxi shows an 8% decline in commute ridership during the non-summer season (Late October – Early April). Annual ridership forecasts (shared later) reflect this diminished ridership in the off season.

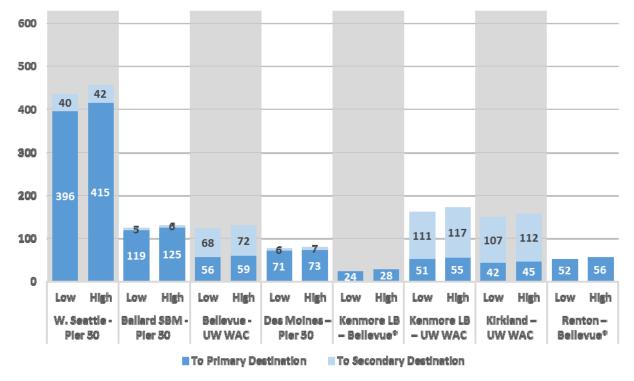


Exhibit 26. Daily Commute Ridership Forecast, 2015 (Summer Season)

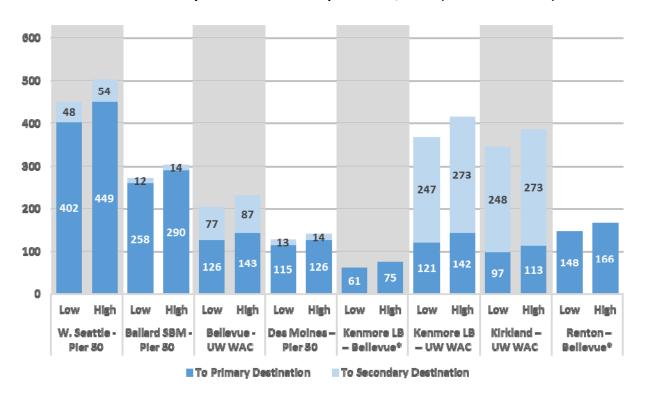
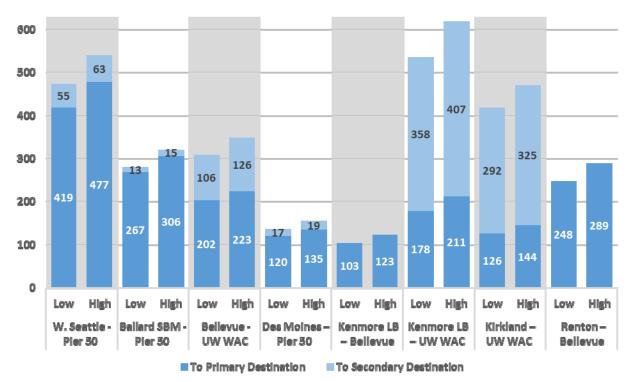


Exhibit 27. Daily Commute Ridership Forecast, 2025 (Summer Season)





# 5.0 RECREATIONAL RIDERSHIP POTENTIAL

As discussed, a significant share of the West Seattle/Downtown Water Taxi is assumed to be for recreational purposes. Exhibit 29 shows estimated average daily recreational travel on the West Seattle/Downtown route, based on an analysis of 2014 ridership data. The greatest amount of recreational travel occurs on weekends. However, there is also significant recreation ridership during summer weekdays. Offseason recreational ridership, as would be expected, is much lower.

Time Period	Ridership
Summer weekend	1,400
Summer weekday	642
Offseason weekday	55
Offseason weekday as a percentage of summer weekday	9%

Source: BERK, 2015

The proposed route alternatives are not assumed to offer weekend service targeted to recreational passengers. Therefore, this study seeks to forecast only weekday recreational travel for routes by comparing their features to the West Seattle/Downtown route. Two criteria are discussed below: number of daily roundtrip sailings, relative attractiveness of landings for recreational travel.

## 5.1 Number of Daily Roundtrip Sailings

One key difference between the current West Seattle/Downtown Water Taxi and the proposed route alternatives is the number of roundtrip sailings per day. The West Seattle route features 19 roundtrip sailings Monday through Thursday and 23 roundtrip sailings on Friday<sup>9</sup>. In comparison, the proposed route alternatives are each assumed to offer six roundtrip sailings per day: three during the AM peak commute period and three during the PM peak commute period. Analysis of weekday ridership during a busy week in August 2014 shows a steady flow of passenger trips in both directions of travel from midmorning onward, with a peak in late afternoon.

This study assumes that recreational ridership potential on the proposed route alternatives decreases in direct correspondence to the decreased number of daily sailings. The route alternatives would provide less options for sailing times, and also less time for recreation at the point of destination for trips that occur in the peak PM hours.

## 5.2 Appeal of Landing Areas for Recreational Travel

Route alternatives can also be differentiated by the attractiveness of the landing areas for recreational trips. The West Seattle/Downtown route has a number of assets to attract recreational travel. Downtown Seattle has a great number of destinations within a relatively short walk of the landing, including sports stadiums, museums, Pioneer Square, and Pike Place Market. Travelers to West Seattle can enjoy a waterfront stroll, bike ride, or free shuttle to Alki Beach as well as a great number of beachside dining and recreation options. In this section, we discuss the relative appeal of each proposed landing location and rank them in terms of relative recreational appeal.

#### 1. Pier 50

Pier 50 is located in downtown Seattle. With a walk score of 96, visitors can walk to a plethora of dining, entertainment, and cultural attractions. Along the waterfront, the Seattle Aquarium and the Seattle Great Wheel are among some of the many attractions. The Pioneer Square neighborhood is also easily accessible from the Pier 50 terminal, which includes Pioneer Place as well as many different types of restaurants and art galleries. Visitors can also walk or bike to Century Link (half a mile) or Safeco field (just under one mile).

#### 2. Ballard – Shilshole Marina

The Shilshole Marina is located on the western end of Ballard. Visitors can walk or bike three quarters of a mile north along the Burke Gilman Trail to Golden Gardens, one of Seattle's most popular beaches. A few waterfront restaurants are located a short walk to the south. For cyclists and recreational trail enthusiasts, the Burke Gilman Trails offers access to Downtown Ballard and destinations to the east.

#### 3. Kirkland – Marina Park

The landing is located in the Kirkland Central Business District within walking access to restaurants, shops, galleries, and parks. The Kirkland Art Center is also located within a short walk. During the summer months, the Kirkland Marina Park has a Wednesday Farmers' Market, and a summer concert series.

<sup>&</sup>lt;sup>9</sup> On Fridays as well as weekdays with evening Sounders, and Seahawks games, the schedule expands to offer 4 additional roundtrip evening sailings.

#### 4. University of Washington – Waterfront Activities Center

The Waterfront Activities Center is adjacent to the Husky Stadium parking lot, offering easy access to game day events as well as the soon-to-open Link Light Rail stop for trips bound for downtown. The WAC rents rowboats and canoes to the public for exploring Lake Washington and the nearby Arboretum. The Burke Gilman trail is one quarter mile away. Visitors can also walk to the University of Washington and The Ave, the commercial heart of the University District.

#### 5. Renton – Southport

The landing is located adjacent to Gene Coulon Memorial Beach Park, which includes picnic shelters, playground equipment, tennis courts, a horseshoe pit, sand volleyball courts, an interpretive botanic walk, a fishing area and summer swimming area. The park also provides bike access to the Lake Washington Loop Trail. A commercial district, a short walk inland to the south, offers several restaurants, retail shops, and a movie theater. Additionally, a planned waterfront development is expected to add additional entertainment, shopping, and dining opportunities as well as a hotel and convention center, which is reflected in Renton's 2025 and 2040 year recreational ridership forecasts.

#### 6. Kenmore – Log Boom Park

Visitors can explore Log Boom Park, the fishing pier, and waterfront viewpoints. Visitors also have easy access to the Burke Gilman trail for long walks, cycling and trail runs. Across Bothell Way, there are a few restaurants within easy walking distance. However, they do not offer waterfront appeal.

#### 7. Des Moines

The landing is located in downtown Des Moines, in the marina and next to Des Moines Beach Park. Visitors can walk to a few restaurants, one of which is located on the waterfront. The park provides easy access to the Des Moines Creek Trail, offering six paved miles, which leads to four additional miles of mountain bike trails.

#### 8. Bellevue – Meydenbauer Bay

Visitors would need to climb up a hill and walk just under quarter of a mile to access Meydenbauer Beach Park, which includes a fishing dock, play area, picnic tables, restrooms, paved pathways, and a beach with designated swimming area. Visitors could also walk a half mile through residential streets to Bellevue Square for shopping and dining opportunities.

#### **5.3 Recreational Ridership Forecasts**

2014 recreational ridership on the West Seattle/Downtown route is used as the base from which to scale recreational ridership potential of the proposed route alternatives. Each route is then given a score based on the number of peak PM sailings and relative attractiveness of each landing area for attracting recreational trips. The results for 2015 are shown in Exhibit 30. Recreational ridership in 2025 and 2040 is then projected based on total forecasted population growth in King County, as shown in Exhibit 31 and Exhibit 32.

Route	Weekday (Summer)	Weekday (Offseason)	Weekend (Summer only)
W. Seattle - Pier 50	642	55	1,400
Ballard SBM - Pier 50	184	16	N/A

#### Exhibit 30. Recreational Ridership Forecast, 2015

Des Moines – Pier 50	154	13	N/A
Kenmore LB – Bellevue	72	6	N/A
Kenmore LB – UW WAC	102	9	N/A
Kirkland – UW WAC	123	11	N/A
Renton – Bellevue	92	8	N/A
Bellevue - UW WAC	92	8	N/A
Sources BEDK 2015			

Route	Weekday (Summer)	Weekday (Offseason)	Weekend (Summer only)
W. Seattle - Pier 50	706	61	1,540
Ballard SBM - Pier 50	223	19	N/A
Des Moines – Pier 50	111	10	N/A
Kenmore LB – Bellevue	186	16	N/A
Kenmore LB – UW WAC	87	7	N/A
Kirkland – UW WAC	124	11	N/A
Renton – Bellevue	149	13	N/A
Bellevue - UW WAC	111	10	N/A

## Exhibit 31. Recreational Ridership Forecast, 2025

Source: BERK, 2015

#### Exhibit 32. Recreational Ridership Forecast: 2040

Route	Weekday (Summer)	Weekday (Offseason)	Weekend (Summer only)
W. Seattle - Pier 50	770	66	1,680
Ballard SBM - Pier 50	265	23	N/A
Des Moines – Pier 50	133	11	N/A
Kenmore LB – Bellevue	221	19	N/A
Kenmore LB – UW WAC	103	9	N/A
Kirkland – UW WAC	148	13	N/A
Renton – Bellevue	176	15	N/A
Bellevue - UW WAC	133	11	N/A
a			

Source: BERK, 2015

## 6.0 TOTAL DAILY AND ANNUAL RIDERSHIP FORECASTS

Exhibit 33 through

Exhibit 35 provide average daily and annual ridership forecasts for the years 2015, 2025, and 2040. Average daily ridership estimates are for weekdays only and combine both commute and recreational passengers. Annual ridership estimates are calculated assuming weekday service only and no service on seven major holidays. Annual ridership estimates also include assumptions about seasonal reductions in recreation and commuter ridership during the non-summer period, based on trends observed in West Seattle/Downtown Water Taxi ridership. Forecasts for the West Seattle – Pier 50 route includes summer weekend ridership as well, boosting the annual ridership numbers accordingly.

	Low Forecast				High Foreca	st
Route		ge Daily Annual y Ridership Bidership		Avera Weekda	Annual Ridership	
Roule	Summer	Offseason	Ridership	Summer	Offseason	Ridership
W. Seattle - Pier 50	1,078	457	283,105	1,099	476	288,234
Ballard SBM - Pier 50	309	131	57,878	315	136	59,433
Bellevue - UW WAC	216	122	43,865	223	129	45,579
Des Moines – Pier 50	231	84	41,820	234	87	42,473
Kenmore LB – Bellevue*	96	28	16,538	100	32	17,640
Kenmore LB – UW WAC	265	159	54,759	275	168	57,148
Kirkland – UW WAC	273	149	54,798	280	156	56,666
Renton – Bellevue*	144	56	26,562	148	60	27,433

#### Exhibit 33. Daily and Annual Ridership Forecast, 2015

Source: BERK, 2015

#### Exhibit 34. Daily and Annual Ridership Forecast, 2025

	Low Forecast				High Foreca	st	
Route		ge Daily y Ridership	Annual Ridership	Average Daily Weekday Ridership		Annual - Ridership	
Koule	Summer	Offseason	Ridership	Summer	Offseason	Rivership	
W. Seattle - Pier 50	1,156	475	304,218	1,209	524	317,035	
Ballard SBM - Pier 50	494	268	99,096	527	299	107,175	
Bellevue - UW WAC	315	197	66,009	341	221	72,357	
Des Moines – Pier 50	314	134	58,943	326	145	61,998	
Kenmore LB – Bellevue*	148	64	27,887	162	77	31,347	
Kenmore LB – UW WAC	492	350	107,779	539	393	119,210	
Kirkland – UW WAC	494	331	105,936	534	368	115,625	
Renton – Bellevue*	259	145	52,457	277	163	56,986	

Source: BERK, 2015

582

448

278

171,911

140,332

89,995

Exhibit 35. Daily and Annual Ridership Forecast, 2040						
		Low Forecast			High Foreca	st
Route		ge Daily y Ridership Ridership			ge Daily y Ridership	Annual Ridership
Noute	Summer	Offseason	Ridership	Summer	Offseason	Maership
W. Seattle - Pier 50	1,244	502	327,726	1,311	564	343,914
Ballard SBM - Pier 50	546	281	107,920	586	318	117,645
Bellevue - UW WAC	441	295	94,657	482	333	104,584
Des Moines – Pier 50	357	145	66,315	375	161	70,710
Kenmore LB – Bellevue*	206	104	40,448	226	122	45,373

151,963

127,862

80,099

766

646

422

506

401

240

Exhibit 35. Daily and Annua	Ridership Forecast, 2040
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Source: BERK, 2015

Kenmore LB – UW WAC

Kirkland – UW WAC

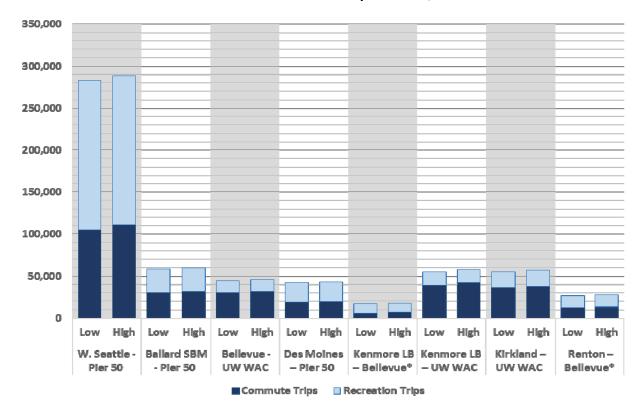
Renton – Bellevue\*

683

595

381

Exhibit 36 through Exhibit 38 compare total annual ridership among route alternatives and the West Seattle/Downtown Water Taxi for the three forecast periods. As with previous charts, they show both Low and High forecasts for each route. Each bar is broken into commute ridership and recreational ridership segments. In 2015, Ballard – Pier 50 is forecasted to have the greatest annual ridership, followed closely by the Kenmore - UW and Kirkland - UW routes. These three routes continue to show the greatest annual ridership potential in 2025 and 2040. However both the Kenmore - UW and Kirkland – UW routes show greater growth in annual ridership in 2025 and 2040, overtaking the Ballard route.



#### Exhibit 36. Annual Ridership Forecast, 2015

Source: BERK, 2015

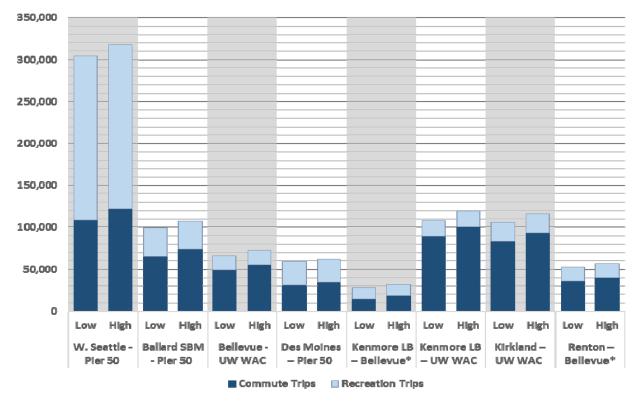


Exhibit 37. Annual Ridership Forecast, 2025

Source: BERK, 2015

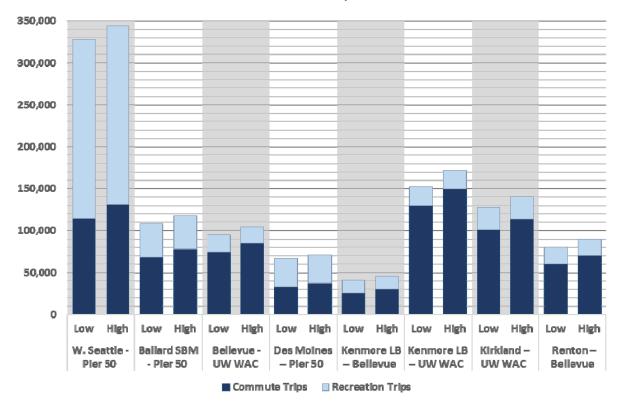


Exhibit 38. Annual Ridership Forecast, 2040

Source: BERK, 2015

### 7.0 VASHON WATER TAXI RIDERSHIP FORECAST

Subsequent to the analysis described above, BERK was asked to forecast 2025 ridership for the Vashon Island/Downtown Seattle Water Taxi. This route, in place since 2005, provides year-round service from Vashon Island to Pier 50 during weekday commute hours. In 2014 annual ridership was 184,457.

BERK used the same general methodology described above to derive a low and high 2025 forecast for this route. However, a few modifications were necessary. This section provides an overview of the methodology, followed by ridership forecast tables.

#### 7.1 Vashon Water Taxi Ridership Analysis

King County Marine Division provided detailed ridership data for the year 2014 and ridership to date for 2015. BERK analyzed this data to estimate commute and recreational ridership during the most recent 12-month period, September 2014 through August 2015. The results are shown in

Exhibit 39 below.

	adership septi		
	Summer Season (April – Oct.)	Season (Nov – March)	
Average Daily AM Ridership	347	340	
Average Daily Ridership	754	734	
Average Daily Commute Ridership Estimate	695	681	98%
Average Daily Recreational Ridership Estimate	60	53	89%
Service Days	151	100	

Exhibit 39. Vashon Water Taxi Ridership Sept. 2014 – Aug. 2015

Source: King County Marine Division, 2015; BERK, 2015

Using the daily ridership counts in Exhibit 39, the projected annual ridership for 2015 is 187,334.

#### 7.2 Vashon Commute Travel Demand

To quantify current and future travel demand between Vashon Island and Seattle destinations, BERK used the same PSRC travel model data described in Section 3.1. However, BERK's analysis of this data and correspondence with travel modeling staff at PSRC have revealed shortcomings that call into question the reliability of PSRC's demand forecast for quantifying Vashon travel demand. Most notably, according to PSRC model data, total weekday AM transit trips between Vashon and any TAZ in the city of Seattle is significantly less than actual ridership on the Water Taxi. PSRC staff have acknowledged that the current travel demand model underestimates both total trips and transit trips across Puget Sound.

In part due to the underestimation of demand for trips from Vashon to Seattle, this analysis does not isolate primary and secondary destination market areas as in the analysis for the proposed routes described above. Instead it considers all of the City of Seattle, minus West Seattle, as a destination market area when summarizing the total demand for travel that could be captured by the Water Taxi. This enlarged market area can be justified because residents of Vashon Island who commute via transit to Seattle have only two viable options for crossing Puget Sound, the Water Taxi or the WSDOT ferry to Fauntleroy. This analysis assumes that taking the Water Taxi to transit-rich Downtown is the most competitive route for transit trips to all Seattle TAZ with the exception of those in West Seattle, where the WSDOT ferry to Fauntleroy is assumed to be more competitive. Even with this large destination

	2010	2015 Low (interpolated)	2015 High (interpolated)	2025 Low Forecast	2025 High Forecast
Weekday AM transit trips	155	158	164	164	182
Weekday AM total trips (for comparison only)	497	471	499	420	504

market area, the total potential AM peak transit trip demand modeled by PSRC (shown in Exhibit 40) does not exceed actual current ridership.

Exhibit 40. Vashon AM Commute Demand

Source: PSRC, 2015; BERK, 2015

#### 7.3 Vashon Water Taxi Market Capture Rate

As with the proposed route alternative forecast analysis described above, a market capture rate is calculated by dividing current average daily peak AM Water Taxi ridership by total transit trip demand to the destination market area as modeled by PSRC. Exhibit 41 shows market capture rates calculated using PSRC's forecasted total transit trip demand interpolated for 2015 using PSRC's Low and High 2025 forecasts.<sup>10</sup> To maintain consistency with the proposed alternative water taxi forecasts, the capture rate using the 2015 Low forecast is used to forecast 2025 demand.<sup>11</sup>

Exhibit 41	. Vashon	AM Comm	ute Captur	e Rate
------------	----------	---------	------------	--------

	2015
Actual Peak AM ridership as a percentage of total transit trip demand	218%

Source: BERK, 2015

#### 7.4 Vashon Water Taxi Daily Ridership Forecast

To develop the 2025 Low and High summer season commute ridership forecasts, the 2025 forecasted AM transit travel demand was multiplied by the 2015 market capture rate. The result is then multiplied

<sup>&</sup>lt;sup>10</sup> The inconsistency between actual ridership data and PSRC modeled trip counts demonstrates that enhancements to PSRC's travel model are necessary to better reflect the travel behavior of Vashon residents. However such work is outside the scope of this study. So while it appears illogical to adopt a market capture rate above 100%, this approach is consistent with the analysis methodology used to forecast ridership for the proposed route alternatives and is the best available option for forecasting Vashon Water Taxi ridership. While it is true that PSRC models indicate total trip demand (including all modes of travel) exceed Vashon Water Taxi ridership, there would be drawbacks to adopting total trips as the pool of demand on which to base the Vashon Water Taxi market capture rate. First, it is not reasonable to assume that a significant proportion of travelers to Seattle TAZ outside of core urban centers rich with transit service (such as Downtown, South Lake Union, and UW) would find the Water Taxi more competitive than taking a personal vehicle on the WSDOT ferry to Fauntleroy. Secondly, PSRC's model forecasts total trip demand to shrink or remain flat in 2025, while transit ridership is forecasted to grow. This forecasted shift towards transit is consistent with BERK's analysis of PSRC travel model output for the proposed route alternative market areas and highly relevant to forecasting future Water Taxi ridership.

<sup>&</sup>lt;sup>11</sup> As discussed in Section 3.1, the "Low" demand forecast counts represented in this study are actually derived from the default and standard PSRC forecast product. Therefore these were used for the purpose of calculating 2015 market capture rates.

by two to reflect a round trip. Offseason commute ridership is calculated by multiplying peak season ridership by 0.98, consistent with the current ridership analysis findings (see

Exhibit 39).

BERK's analysis of current Vashon Water Taxi ridership indicates that weekday recreational trips add up to a significantly lower percentage of total trips than found for the West Seattle Water Taxi. Furthermore, unlike the origin market areas of the proposed route alternatives, Vashon Island is not forecasted by PSRC to grow in population between 2010 and 2025.<sup>12</sup> For these reasons, the Vashon ridership forecast assumes that recreational trips will grow in proportion to commute ridership. Additionally, this analysis assumes that recreational trips diminish in the offseason at the same rate as found in the current ridership analysis (see

Exhibit 39). Forecasted daily trip counts are provided in Exhibit 42.

	2025 Low Forecast			2025 High Forecast			
	Commute	Recreation	Total	Commute	Recreation	Total	
Summer Season	716	61	777	793	68	861	
Offseason	701 55 756		756	777	61	838	

Exhibit 42. Vashon Average Daily Ridership Forecast

Source: BERK, 2015

#### 7.5 Vashon Water Taxi Total Annual Ridership Forecast

Vashon Water Taxi ridership data includes the actual number of sailing days during the summer and offseason months (see

Exhibit 39). This analysis assumes that the number of sailing days by period remains the same in 2025. Annual ridership forecasts, shown in Exhibit 43, combine both commute and recreational trips.

	2025 Low Forecast	2025 High Forecast
Annual Ridership	192,999	213,858

#### Exhibit 43. Vashon Water Taxi Annual Ridership Forecast

Source: BERK, 2015

<sup>&</sup>lt;sup>12</sup> According to PSRC's Land Use Targets forecast. See http://www.psrc.org/data/forecasts/2013-forecastproducts/

# **Appendix D**

## King County Water Taxi

## **TASK 4: INFRASTRUCTURE ASSESSMENT**

Final Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS OCTOBER 30, 2015

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2.	Parking and Shuttle Requirements
3.	Vessel Requirements Capacity and Design Criteria Vessel Costs Maintenance Facilities Berthing/Tie-Up and Fueling Emergency Response Capability
4.	<b>Terminal Infrastructure Improvements</b> UW WAC Kenmore Kirkland Ballard
5.	<b>Capital and Operating Costs</b> Capital Costs Operating Costs
6.	<b>Design, Permitting, and Construction</b> Design Permitting Construction Schedule
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- Table 3: Capital and Operating Costs per Route

### Attachments

Attachment A – Capital Cost Improvement Spreadsheets Attachment B – Implementation Schedules

### 1. Introduction

Based on the findings in the Appendix B: Task 2: Route Profiles report and Appendix C: Task 3: Ridership Assessment and Analysis, this assessment provides vessel specifications, maintenance recommendations, infrastructure improvements, and high-level cost estimates for the following routes:

- 1. Kenmore (Log Boom Park) to University of Washington Washington Athletic Center (UW WAC)
- 2. Kirkland (Marina Park) to UW WAC
- 3. Ballard (Shilshole Marina) to Downtown Seattle (Pier 50)

Each terminal location would require some level of improvements to accommodate Passenger Only Ferry (POF) programming needs which range from minor improvements to existing in-water and uplands infrastructure to a whole new facility. POF programming elements were identified as part of the baseline study in Task 1 and include:

- In-water improvements: improvements to existing floats or a replacement float, mooring improvements to accommodate vessels, boarding ramps, improved lighting, communication infrastructure, security elements, and utilities at the tie-up locations.
- Upland improvements: signage and wayfinding, ticketing machines, lighting, ADA accessible pathways, covered shelter, and utility connections.

## 2. Parking and Shuttle Requirements

One of the critical components in determining the feasibility of the Ballard to Downtown Seattle (Pier 50) route is the availability of parking at the terminal. The Appendix B: Task 2 Route Profile Analysis identified that park and rides are not located near Shilshole Marina in Ballard making parking a requirement for route competitiveness. The availability of parking will be determined through discussions with the Port of Seattle and the City of Seattle in the continued outreach effort. If parking cannot be accommodated on-site, this would be a fatal flaw for the site.

Additionally, Log Boom Park in Kenmore does not have adequate parking for a POF service, and the nearest park and ride with adequate capacity is located over one mile from the terminal. Therefore, a shuttle would be required to transport passengers between the Kenmore Park and Ride and Log Boom Park.

Kirkland Marina Park is located within walking distance to the downtown Kirkland Transit Center. Therefore, parking on-site is not required and a shuttle would not be provided for new water taxi service. However, after the publishing of the Interim Report, the Marine Division was asked to assess the use of a shuttle in Kirkland to alternate potential parking congestion concerns. The operational cost to provide a one-route shuttle has been incorporated into the farebox recovery calculations outlined in the Appendix C: Task 3 Ridership and Summary Reports.

### 3. Vessel Requirements

The appropriate vessel size for a water taxi route is determined by potential ridership and frequency of sailings. The US Coast Guard has specific safety and security requirements for different vessel classes including a minimum level of crew for different types of vessels and security infrastructure needs for different vessels classes. Therefore, choosing vessels with adequate capacity to accommodate the projected ridership and future demand can influence staffing levels and security infrastructure improvements.

#### **Capacity and Design Criteria**

Based on the ridership analysis, up to a 150-passenger vessel would accommodate ridership projections at each route through 2025. Using a 150-passenger vessel only requires a crew of three per US Coast Guard requirements. This is a similar size vessel currently utilized on the West Seattle Route.

Bicycle capacity should be considered for at least 10 percent of the passengers. Storage of bicycles should be located outside near the boarding stations to reduce time for bicycles to board and disembark the vessel.

150-passenger vessels could be accommodated at most terminal locations with modifications to the existing infrastructure. The majority of site locations would require designing boarding stations for the float or pier to facilitate expedited loading and unloading of passengers to maintain the route schedule.

#### **Vessel Costs**

King County has two options for acquiring a vessel(s) for a new route which include lease or purchase. Currently, King County leases the Melissa Ann for the Vashon to Downtown Seattle (Pier 50) route that is a 172-passenger vessel for \$32,000 per month or \$384,000 annually (using 2015 costs).

There are multiple options to purchase a 150-passenger vessel including purchasing a previously used vessel or constructing a new vessel to add to the King County fleet. The cost estimate for a previously used vessel varies based on the amount of useful life remaining for the vessel as well as maintenance costs. An older vessel with higher use will be cheaper to purchase but would likely have higher maintenance costs; whereas a more expensive used vessel will have a longer estimated lifespan. Estimated costs for these options are provided in Table 1.

Based on the Task 2 findings for route competitiveness, a new vessel would need to sustain a cruising speed of 35 knots. Recently, Kitsap Transit purchased the Rich Passage 1 (RP1) that is a 118-passenger vessel that is capable of high speeds that produces a lower wake. This vessel type would be feasible given ridership demand projections for the new proposed routes, refer to Table 1.

#### Table 1: Vessel Acquisition Costs (2015 dollars)

Vessel Proposed	Est. Cost (\$)
Previously Used 150-Passenger	\$1 M to 3.5 M
Rich Passage (RP) 1	\$5.8 M
New 150-Passenger	\$4.5 to 5.5 M

#### **Maintenance Facilities**

Vessels require frequent maintenance to operate safely, reliably, and efficiently. Typically, maintenance occurs on a daily basis to ensure the vessels are operating properly and ready for service the next morning. For the current King County routes, this daily maintenance occurs at the County's owned maintenance facility located at Pier 48 adjacent to the Water Taxi at Downtown Seattle (Pier 50). This maintenance facility would be available for the Puget Sound route for tie-up in the evening to perform daily maintenance. However, the maintenance barge is not easily accessible for daily access by vessels serving Lake Washington routes. King County would develop a maintenance plan for the vessels that would tie-up in Lake Washington.

In addition to daily maintenance, vessels require heavy maintenance to ensure the engine and associated systems function properly and so that useful life of the vessel is extended. The Puget Sound routes would use the maintenance barge at Pier 48 in Downtown Seattle for heavy maintenance. The Lake Washington routes could use Pier 48 maintenance barge for heavy maintenance activities or utilize an existing King County contract with Pacific Fishermen on Lake Union.

#### Berthing/Tie-Up and Fueling

Tie-up locations should be protected from the inclement weather and provide utility connections to remove the sewage and trash collected from the daily operation, as well as, refresh the vessel with potable water. Further analysis would be required to identify a suitable tie-up location for the Lake Washington routes. Additionally, it is proposed the vessels operating the Puget Sound routes would tie-up at the Pier 48 maintenance barge and/or Downtown Seattle (Pier 50).

There are multiple fueling locations on Lake Washington and Lake Union that could fuel a water taxi. This includes locations at the Morrison's North Star Marine on Lake Union, and Yarrow Bay in Kirkland, and Seattle Boat located at Newport Yacht Basin Marina in Bellevue.

#### **Emergency Response Capability**

POF vessels have the unique ability to be highly maneuverable and able to access many docking locations. As such, they can assist in emergency situations that require immediate response for example where bridge access has been compromised. The King County Water Taxi could aid in evacuating people in an emergency such as the Water Emergency Transportation Authority (WETA) ferries did in the 1989 Loma Prieta Earthquake in San Francisco and the evacuation of Manhattan by the Staten Island Ferries during the 9/11 attacks.

### 4. Terminal Infrastructure Improvements

As part of the initial baseline analysis, POF programming needs were identified that focus on passenger accessibility and safety as well as supporting the operational needs for the vessels and crew. At a minimum, each terminal location will require passenger boarding structures (transfer span and ramps), sufficient tie-up infrastructure for vessels, passenger signage and wayfinding, security improvements, and ADA accessibility improvements. Specific in-water and upland improvements used as a baseline for capital costs analysis are identified in Table 2 and described for each site in the following section. These improvements would need to be coordinated with the local jurisdiction or agency.

		Terminal Locations							
Improvements*	UW WAC	Kenmore	Kirkland	Ballard					
In-water			•						
New Float	X								
New Piles	X								
New Gangway	X								
Fenders	X	X	X	Х					
Cleats	X	X							
Fixed Ramp/Transfer Span	X	X	X	Х					
Upland									
ADA Walkway	X								
Shelter	X								
Signage/Wayfinding	X	X	X	Х					
Ticket Vending Machines	X	X	X	Х					
Lighting	Х	X							
Security	X	X	X	Х					
Utility Connections		X	Х	Х					

#### Table 2: Summary In-water and Upland Infrastructure Improvements

\*Note: All improvements in-water and upland would have to be coordinated with the local jurisdiction or agency.

#### **UW WAC**

UW WAC has an existing float and gangway currently used for recreational use. This older infrastructure would need to be replaced to accommodate a 150-passenger water taxi. Figure 1 includes an aerial photo and overview of the existing infrastructure and proposed improvements at the UW WAC.



#### Figure 1: UW WAC Improvements

#### POF FACILITIES

For a new water taxi route to be operational at UW WAC, a new float 80-feet-long by 20-feet-wide float would be required. The float can be oriented perpendicular to the shore to accommodate the berthing of two vessels simultaneously if needed. The new float would include fendering and cleats to secure the vessel to the float. Additionally, a fixed ramp and transfer span would be required for safely loading and unlading passengers. Along with a new float, new piles and new gangway would be required to support a larger float. Security improvements would need to be installed including cameras to monitor activity on and around the vessels.

It is assumed that this in-water infrastructure would be a shared-use facility to be used by UW during noncommute hours.

Upland improvements to UW WAC may include constructing a shelter for passengers to wait for the next sailing protected from inclement weather, as well as improvements to the current paved pathway to be ADA compliant. Additional improvements may include lighting, signage and wayfinding measures for passengers to easily navigate to and from the water taxi. Ticket vending machines would also need to be installed for passengers to purchase tickets prior to boarding the vessel.

#### Kenmore

There is an existing pier at Kenmore that is currently used for recreational use associated with Log Boom Park. Only minor improvements appear to be required to begin water taxi service at this location; however, a structural inspection would be recommended to assess the structural integrity of the in-water facilities. See Figure 2 for the current infrastructure and improvements required for beginning water taxi service at this location.

#### Figure 2: Kenmore Improvements



#### POF FACILITIES

The existing pier at Log Boom Park can accommodate a 150-passenger vessel with minor in-water modifications including adding fendering and cleats securing vessels for tie-up. A transfer span and fixed ramp will also be required on the existing pier for safely loading and unloading passengers. Additional security measures required would include adding fencing and gates to protect the vessel from unauthorized boarding of the vessel as well as cameras to monitor activity on and around the vessels.

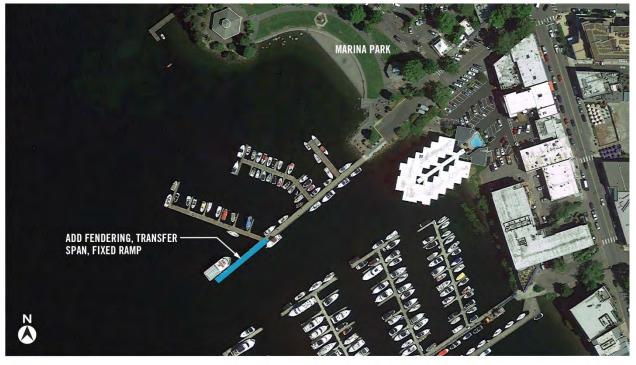
Upland improvements to Log Boom Park would include adding lighting for security, as well as, signage and wayfinding measures for passengers to easily navigate to and from the water taxi. Ticket vending machines would also need to be installed for passengers to purchase tickets prior to boarding the vessel.

Since the water taxi would tie-up at Log Boom Park in the evening, utilities (including potable water, sewage, trash collection, and shore power) would need to extend from the shore location where vessels tie-up.

#### Kirkland

The existing facilities at Kirkland Marina Park are currently used for vessel moorage and it is assumed this location would require minor improvements to begin water taxi service from this location; however, a structural inspection would be recommended to assess the structural integrity of the in-water facilities. Figure 3 indicates the existing facilities and proposed improvements required for water taxi service.





#### POF FACILITIES

Since vessels of a similar size to the proposed 150-passenger vessels currently moor at the marina, only minor modifications appear to be required to begin water taxi service at this location However, an inspection would be recommended to assess the structural integrity of the in-water facilities.. These modifications include adding fendering and cleats for vessel tie-up. A transfer span and fixed ramp would be required on the existing pier for safely loading and unloading passengers. Additional security measures required include adding fencing and gates to protect the vessel from unauthorized boarding of the vessel as well as cameras to monitor activity on and around the vessels.

Upland improvements to Marina Park would include adding signage and wayfinding measures for passengers to easily navigate to and from the water taxi. Ticket vending machines would also need to be installed for passengers to purchase tickets prior to boarding the vessel.

#### Ballard

The Shilshole Marina currently accommodates vessels of similar scale to a 150-passenger vessel. Therefore, only minor improvements would be required for a water taxi service to operate from this location. The vessel would likely tie-up to H-Pier within the Shilshole Marina. Figure 4 provides an aerial view of the existing facilities as well as the location of the minor improvements required for water taxi service.

#### Figure 4: Ballard Improvements



#### POF FACILITIES

Since vessels of a similar size to the 150-passenger vessels currently moor at the marina, only minor modifications to the pier would be required. These modifications would include adding fendering and cleats to the float for vessel tie-up. Additionally, a transfer span and fixed ramp would be required on the existing float for safely loading and unloading passengers. Additional security measures required include adding fencing and gates to protect the vessel from unauthorized boarding of the vessel as well as cameras to monitor activity on and around the vessels.

Upland improvements to Shilshole Marina would include adding lighting for security as well as signage and wayfinding measures for passengers to easily navigate to and from the water taxi. Ticket vending machines would also need to be installed for passengers to purchase tickets prior to boarding the vessel.

#### 5. Capital and Operating Costs

As part of the initial baseline analysis, POF programming needs were identified that focus on passenger access, vessel requirements, and maintenance facilities. Table 3 provides a cost summary that includes estimates for capital improvement costs and operating costs for each route. The following sections include a detailed description of the capital cost estimates and operating cost estimates.

Route	Capital Costs <sup>1</sup>	Annual Operating Costs <sup>2</sup>
Kenmore to UW WAC		
UW WAC	\$3.23 M	
Kenmore	\$0.91 M	
Total	\$4.14 M	\$2.52 M
Kirkland to UW WAC		
UW WAC	\$3.23 M	
Kirkland	\$0.38 M	
Total	\$3.61 M	\$2.26 M
Ballard to Downtown Seattle (Pier 50)		
Ballard	\$0.36 M	
Downtown Seattle (Pier 50)	\$0	
Total	\$0.36 M	\$2.12 M
Note:		•
1. Site improvement costs only. I	Does not include vesse	l acquisition costs.
2. Estimated using 2014 King Co	ounty information and ir	cludes \$420,000 annual
lease costs based on the Melis	ssa Ann. Includes shut	tle cost estimates for

#### **Table 3: Capital and Operating Costs per Route**

Kenmore and Kirkland.

#### **Capital Costs**

Infrastructure requirements identified for each site require varying levels of capital cost. The capital improvement costs would be required for a new to be operational and are preliminary, high-level cost estimates. Appendix A provides a detailed cost estimate with specific improvements for each site. Based on the conceptual level of design, the contingency for variation in cost is calculated at 30%. As the conceptual design becomes more refined and there is more certainty of the specific design elements, the contingency is reduced.

#### **Operating Costs**

By adding one additional service route to the current KCWT service, additional administrative staff would not be required. Therefore, the administrative costs would be dispersed between the three routes. Operations costs include administrative costs, vessel crew, and maintenance costs. Using 2014 financial data from King County, the annual operating costs include operations, maintenance, for an additional service route is identified in Table 3.

### 6. Design, Permitting, and Construction

POF terminal facilities are water dependent uses that are restricted by federal, state, and local land use and environmental regulations. Additionally, water dependent facilities have specific design and construction considerations.

#### Design

Each site would require design of the modifications to the existing facilities. This includes engineering and architectural work required for the improvements. UW WAC would require the most engineering and architectural work for construction of a new float and gangway.

Each transfer span and fixed ramp needs to be designed to properly fit with the vessel and the pier or float where the vessel is mooring. This requires specific engineering and design for stability and efficient operations when passengers are loading and unloading.

#### Permitting

Each potential landing site has existing in-water facilities and requires varying levels of modification requirements to become operational. Ballard has existing infrastructure that need railing, ladders, and/or fendering to support a POF. Kenmore and Kirkland have existing in-water facilities that would require an inspection to determine the structural integrity of these facilities. The federal, state, and local review process for these over-water infrastructure improvements is typically straight-forward and approval can be issued within six months.

UW WAC would require more substantial in-water work that would be subject to more comprehensive federal, state, and local review.

Projects that require federal funding have to complete the federal environmental review process through the National Environmental Policy Act (NEPA). Some minor projects qualify for a Categorical Exclusion (CE) to the full review process of an Environmental Impact Statement (EIS). Early coordination with the federal agency making this determination would indicate which projects qualify for the CE.

The EIS review process consists of analyzing alternatives of the project and potential social, economic and environmental effects. More specifically, an EIS includes review for potential impacts to: animals, plants, soil, water, air, climate, energy, archeological and cultural elements, noise, aesthetics, surrounding land uses, transportation, public services, and recreation. The EIS process also involves a public and agency notification and comment period. As part of this process, the lead agency reviews and considers issues raised during the comment period. Based on their review and comments received, the lead agency may require additional studies to determine if the project will have a significant impact on the environment and if mitigation would be required.

Typical mitigation requirements for new in-water infrastructure and new ferry service could include habitat mitigation and Tribal Usual and Accustomed (U&A) fishing rights. Habitat mitigation would require a biologist prepare a habitat assessment and habitat mitigation plan. The mitigation plan is reviewed and approved by Federal, State, and local agencies prior to construction. Habitat mitigation could involve an annual monitoring period to ensure the mitigation measures will be successful. Costs for habitat mitigation are highly variable due agency requirements. Generally, these costs can range from 5% to 30% of the total project construction costs. Tribal U&A mitigation is typically in the form of financial compensation to affected Tribes and the amount of compensation would be negotiated between affected parties and King County. This amount can vary

drastically depending on the project. There could be other mitigation requirements based on agency review and stakeholder agreements.

Construction of sheltered areas and other minor upland improvements (i.e. way finding or ticketing machines) also require local agency approval for consistency with the Shoreline Management Act and/or building codes. Environmental permits typically require conceptual level design detail; whereas building construction permits require final design drawings.

#### Construction

Construction of the improvements would be completed once permits are issued. King County has a procurement process for construction projects that begins after building permits are issued. This timeframe is built into the schedule for implementation.

#### Schedule

The timeframe for implementing these routes is dependent on the time needed for environmental review, design, permitting and construction. See Appendix B for a conceptual design, permitting and construction schedule for each route.

## Attachment A

Capital Cost Improvement Spreadsheets

#### UW WAC Capital Cost Estimate

KPFF CO	ST ESTIMATE			UW - WAC				
Improver	nents er Improvements			Quantity	Unit	(KC)	TOTAL COST	NOTES
	Gangway (tidal lo			-	LS	\$300,000	\$0	
	Gangway (freshw			- 1	LS	\$75,000	\$75,000	24' x 6'
	Upper Gangway				LS	\$75,000	\$75,000	24 × 0
	Float			1,600		\$300	\$480,000	70' x 20'
	Transfer Span				EA	\$1,000	\$1,000	10 x 20
	Fixed Ramp			1	EA	\$2,500	\$2,500	
		vertical, D-Rubber on Wide Flange,	installed)	-	EA	\$2,500	\$0	
		natic, 22" x 57", Polyform F-11)		6	EA	\$500	\$3,000	
	Cleats (hardware	· · · · · ·		4	EA	\$500	\$2,000	
	Ladder			1	EA	\$500	\$500	
	Railing			-	LF	\$125	\$0	
		Guide Piles (4 @ 100' ea)		4	LF	\$400	\$1,600	
		r Pile (4 @ 120' ea)		4	LF	\$400	\$1,600	
		nviro Observation		-	LS	\$60,000	\$0	
	Pile Driving Costs			4	EA	\$5,000	\$20,000	
Upland	, g					, , , , , , , , , , , , , , , , , , , ,	,	
	Plumbing (Deck [	Drainage)		-	SF	\$5	\$0	
	Electrical (Lighting	g)		-	SF	\$15	\$0	
	Railing			-	LF	\$125	\$0	
	Signage and Way	/ Finding		1	EA	\$75,000	\$75,000	
	Shelter			200	SF	\$200	\$40,000	
	Ticketing			2	EA	\$10,000	\$20,000	
	Grading/Paving			5,000	SF	\$100	\$500,000	Rough estimate
	Sewage Forcema	in		-	LF	\$50	\$0	
	Electrical Service	Extension		-	LF	\$100	\$0	
	Electrical Submet	ter		-	EA	\$15,000	\$0	
	Shore Power (Flo	at and Gangway only)		-	LS	\$15,000	\$0	
	Potable Water Su	Ibmeter		-	EA	\$15,000	\$0	
	Potable Water Se	ervice Extension		-	LF	\$100	\$0	
	Fire Service			-	LF	\$160	\$0	
	Communications	& Data Allowance		1	LS	\$50,000	\$50,000	
Security	Needs							
	Security System (	gates, fencing and monitoring syste	m)	1	LS	\$20,000	\$20,000	
Subtotal	of Costs						\$1,368,000	
Mobilizati	on (calculated bas	sed on subtotal of above construction	n items)				\$137,000	
						10%		
Subtotal							\$1,505,000	
		ted based on subtotal of construction	on and mob)					
	Environmental Co			30%			\$451,500	
		agement and Administration (on co	nstruction + environmental				\$117,390	
		construction + environmental costs)					\$586,950	
	Tax (on construct					9.5%	\$142,975	
Subtotal o	of General Provision	ons					\$1,298,815	
0.11.1							<b>.</b>	
Subtotal v	vith General Provi	sions					\$2,803,900	
Design Er	ngineering (% of to	otal construction costs)				15%	\$421,000	
Grand To							\$3,225,000	

#### Kenmore (Log Boom Park) Capital Cost Estimate

	OST ESTIMATE							Kenmore - Log Boom	Park
Improver					Quantity	Unit	Unit Cost (KC)	TOTAL COST	NOTES
-	er Improvements	i -							
	Gangway (tidal lo	cations)			-	LS	\$300,000	\$0	
	Gangway (freshw	vater locations)			-	LS	\$75,000	\$0	
	Upper Gangway S	Support			-	LS	\$75,000	\$0	
	Float				-	SF	\$300	\$0	
	Transfer Span				1	EA	\$1,000	\$1,000	
	Fixed Ramp				1	EA	\$2,500	\$2,500	
	Fendering (fixed v	vertical, D-Rubber on Wide Flange,	installed)		-	EA	\$2,500	\$0	
	Fendering (pneur	natic, 22" x 57", Polyform F-11)			6	EA	\$500	\$3,000	
	Cleats (hardware	+ installation)			4	EA	\$500	\$2,000	
	Ladder				1	EA	\$500	\$500	
	Railing				-	LF	\$125	\$0	
	Furnish 36" Steel	Guide Piles (4 @ 100' ea)			-	LF	\$400	\$0	
		er Pile (4 @ 120' ea)			-	LF	\$400	\$0	
		nviro Observation			-	LS	\$60,000	\$0	
	Pile Driving Costs				-	EA	\$5,000	\$0	
Upland									
	Plumbing (Deck [	Drainage)			-	SF	\$5	\$0	
	Electrical (Lightin	g)			-	SF	\$15	\$0	
	Railing				-	LF	\$125	\$0	
	Signage and Way	y Finding			1	EA	\$75,000	\$75,000	
	Shelter				-	SF	\$200	\$0	
	Ticketing				2	EA	\$10,000	\$20,000	
	Grading/Paving				-	SF	\$100	\$0	
	Sewage Forcema	ain			500	LF	\$50	\$25,000	
	Electrical Service	Extension			500	LF	\$100	\$50,000	
	Electrical Submet	ter			1	EA	\$15,000	\$15,000	
	Shore Power (Flo	at and Gangway only)			1	LS	\$15,000	\$15,000	
	Potable Water Su	ubmeter			1	EA	\$15,000	\$15,000	
	Potable Water Se	ervice Extension			500	LF	\$100	\$50,000	
	Fire Service				500	LF	\$160	\$80,000	
	Communications	& Data Allowance			1	LS	\$50,000	\$50,000	
Security	Needs								
	Security System (	(gates, fencing and monitoring syste	em)		1	LS	\$20,000	\$20,000	
Subtotal	of Costs							\$424,000	
Mobilizati	on (calculated bas	sed on subtotal of above construction	on items)					\$43,000	
							10%		
Subtotal								\$467,000	
General F	Provisions (calcula	ated based on subtotal of constructi	on and mob)						
	Environmental Co						15%	\$70,050	
	Construction Man	nagement and Administration (on co	onstruction + enviro	onmental	costs)		6%	\$32,223	
		construction + environmental costs)					30%	\$161,115	
	Tax (on construct						9.5%	\$44,365	
		ment of Existing Facilities						\$15,000	
	of General Provisi							\$322,753	
Subtotal v	with General Provi	isions						\$789,800	
Design E	ngineering (% of to	otal construction costs)					15%	\$119,000	
								,	
Grand To	otal							\$909,000	

#### Kirkland (Marina Park) Capital Cost Estimate

KPFF COS	ST ESTIMATE							Kirkland - Marina P	Park
				Quantity	Unit	Unit Cost (KC)	TOTAL COST	NOTES	
	r Improvements								
	Gangway (tidal locations)				-	LS	\$300,000	\$0	
	Gangway (freshwater locations)				-	LS	\$75,000	\$0	
	Jpper Gangway Support				-	LS	\$75,000	\$0	
	Float				-	SF	\$300	\$0	
	Fransfer Span				1	EA	\$1,000	\$1,000	
	Fixed Ramp				1	EA	\$2,500	\$2,500	
	Fendering (fixed vertical, D-Rubb	er on Wide Flange.	installed)		-	EA	\$2,500	\$0	
	Fendering (pneumatic, 22" x 57",		,		6	EA	\$500	\$3,000	
	Cleats (hardware + installation)	,			-	EA	\$500	\$0	
	_adder				1	EA	\$500	\$500	
	Railing				-	LF	\$125	\$0	
	Furnish 36" Steel Guide Piles (4	@ 100' ea)			-	LF	\$400	\$0	
	Furnish 36" Batter Pile (4 @ 120'				-	LF	\$400	\$0	
	Bubble Curtain/Enviro Observatio				-	LS	\$60,000	\$0	
	Pile Driving Costs				_	EA	\$5,000	\$0	
Upland							\$0,000	ţ,	
F	Plumbing (Deck Drainage)				-	SF	\$5	\$0	
	Electrical (Lighting)				-	SF	\$15	\$0	
	Railing				-	LF	\$125	\$0	
	Signage and Way Finding				1	EA	\$75,000	\$75,000	
	Shelter				-	SF	\$200	\$0	
	Ficketing				2		\$10,000	\$20,000	
	Grading/Paving				-	SF	\$100	\$0	
	Sewage Forcemain				-	LF	\$50	\$0	
	Electrical Service Extension				_	LF	\$100	\$0	
	Electrical Submeter				_	EA	\$15,000	\$0	
	Shore Power (Float and Gangwa	v only)			_	LS	\$15,000	\$0	
	Potable Water Submeter	y only)			_	EA	\$15,000	\$0	
	Potable Water Service Extension	]			_	LF	\$100	\$0	
	Fire Service	•			_	LF	\$160	\$0	
	Communications & Data Allowan				1	LS	\$50,000	\$50,000	
Security N					1		φ00,000	<b>400,000</b>	
	Security System (gates, fencing a	and monitoring syste	em)		1	LS	\$20,000	\$20,000	
Subtotal o		and monitoring of the	,,				<b>\$_0,000</b>	\$172,000	
								<i>•••••••••••••••••••••••••••••••••••••</i>	
Mobilizatio	n (calculated based on subtotal	of above construction	n items)					\$18,000	
Mobilizatio							10%	\$10,000	
Subtotal								\$190,000	
								\$100,000	
General Pr	rovisions (calculated based on si	ubtotal of construction	on and mob)						
	Environmental Costs						15%	\$28,500	
	Construction Management and Administration (on construction + environmental c		costs)		6%	\$13,110			
	Contingency (on construction + environmental costs)				30%	\$65,550			
1	Tax (on construction only)				9.5%	\$18,050			
	Structural Assessment of Existing Facilities				0.070	\$15,000			
Subtotal of General Provisions					\$140,210				
								φ1+0,210	
Subtotal w	ith General Provisions			-				\$330,300	
Subiolai W								\$330,300	
Dosign En	ainopring (% of total construction	a costs)					15%	¢50.000	
Design Eng	gineering (% of total constructior	100515)					15%	\$50,000	
Grand Tot								\$381,000	

#### Ballard (Shilshole) Capital Cost Estimate

	14501								
KPFF COST ESTIMATE							Ballard - Shilshol	e	
Improvements					Quantity	Unit	Unit Cost (KC)	TOTAL COST	NOTES
Overwate	er Improvements								
	Gangway (tidal lo	cations)			-	LS	\$300,000	\$0	
	Gangway (freshw	ater locations)			-	LS	\$75,000	\$0	
	Upper Gangway S	Support			-	LS	\$75,000	\$0	
	Float				-	SF	\$300	\$0	
	Transfer Span				1	EA	\$1,000	\$1,000	
	Fixed Ramp				1	EA	\$2,500	\$2,500	
	Fendering (fixed v	vertical, D-Rubber on Wide Flange,	installed)		-	EA	\$2,500	\$0	
	Fendering (pneun	natic, 22" x 57", Polyform F-11)			6	EA	\$500	\$3,000	
	Cleats (hardware	+ installation)			-	EA	\$500	\$0	
	Ladder				1	EA	\$500	\$500	
	Railing				-	LF	\$125	\$0	
	Furnish 36" Steel	Guide Piles (4 @ 100' ea)			-	LF	\$400	\$0	
	Furnish 36" Batte	r Pile (4 @ 120' ea)			-	LF	\$400	\$0	
	Bubble Curtain/Ei	nviro Observation			-	LS	\$60,000	\$0	
	Pile Driving Costs				-	EA	\$5,000	\$0	
Upland									
	Plumbing (Deck [	Drainage)			-	SF	\$5	\$0	
	Electrical (Lightin	g)			-	SF	\$15	\$0	
	Railing				-	LF	\$125	\$0	
	Signage and Way	/ Finding			1	EA	\$75,000	\$75,000	
	Shelter				-	SF	\$200	\$0	
	Ticketing				2	EA	\$10,000	\$20,000	
	Grading/Paving				-	SF	\$100	\$0	
	Sewage Forcema	in			-	LF	\$50	\$0	
	Electrical Service	Extension			-	LF	\$100	\$0	
	Electrical Submet	er			-	EA	\$15,000	\$0	
	Shore Power (Flo	at and Gangway only)			-	LS	\$15,000	\$0	
	Potable Water Su	Ibmeter			-	EA	\$15,000	\$0	
	Potable Water Se	ervice Extension			-	LF	\$100	\$0	
	Fire Service				-	LF	\$160	\$0	
	Communications	& Data Allowance			1	LS	\$50,000	\$50,000	
Security	Needs								
	Security System (	gates, fencing and monitoring syste	em)		1	LS	\$20,000	\$20,000	
Subtotal	of Costs							\$172,000	
Mobilizati	on (calculated bas	ed on subtotal of above construction	on items)					\$18,000	
	·						10%		
Subtotal								\$190,000	
General F	Provisions (calcula	ted based on subtotal of construction	on and mob)						
	Environmental Co						15%	\$28,500	
		agement and Administration (on co	nstruction + environn	nental o	osts)		6%	\$13,110	
		construction + environmental costs)			,		30%	\$65,550	
		(on construction only)			9.5%			\$18,050	
	tal of General Provisions					\$125,210			
							¢,_+		
Subtotal	with General Provi	sions	I					\$315,300	
								<i>,</i>	
Design F	naineerina (% of to	otal construction costs)					15%	\$48,000	
_ 00.911 L							1070	\$10,000	
Grand To	Grand Total							\$364,000	
								<b>400</b> 1,000	

## Attachment B

Implementation Schedules

## KENMORE TO UW-WAC

KENMORE Log boom park	YEAR 1	YEAR 2	YEAR 3	
PROJECT IMPLEMENTATION	QTR 1 QTR 2 QTR 3	QTR 4 QTR 1 QTR 2 0	QTR 3 QTR 4 QTR 1 QTR	2 QTR 3 QTR 4
PERMITTING FEDERAL	FTA/FHWA NEPA (CE) Army Corps of Engineers			
STATE	WA Dept. of Ecology WA Dept. of Fish & Wildlife			
LOCAL (City of Kenmore)	Shoreline Exemption/SEPA			
DESIGN	30% 90% 60% 100%			
CONSTRUCTION	-			
UW - WAC	YEAR 1	YEAR 2	YEAR 3	
PROJECT IMPLEMENTATION	QTR 1 QTR 2 QTR 3	QTR 4 QTR 1 QTR 2 C	QTR 3 QTR 4 QTR 1 QTR 3	2 QTR 3 QTR 4
PERMITTING FEDERAL		FTA/FHWA I Advisory Cou US Fish & W Army Corps	uncil on Historic Preservation /ildlife	
STATE			Ecology Fish & Wildlife Natural Resources	
LOCAL (City of Seattle)		Shoreline Su	ubstantial Development Permit/SEPA	mit
DESIGN	30%		60% <u>90%</u> 100%	
CONSTRUCTION			(Completed in	) Year 4, Quarter 1)

## KIRKLAND TO UW-WAC

KIRKLAND Marina park	YEAR 1	YEAR 2	YEAR 3	
PROJECT IMPLEMENTATION	QTR 1 QTR 2 QTR 3	QTR 4 QTR 1 QTR 2	QTR 3 QTR 4 QTR 1	QTR 2 QTR 3 QTR 4
PERMITTING FEDERAL	FTA/FHWA NEPA (CE) Army Corps of Engineers			
STATE	WA Dept. of Ecology WA Dept. of Fish & Wildlife WA Dept. of Natural Resource	ces		
LOCAL (City of Kirkland)	Shoreline Exemption/SEPA			
DESIGN	30% 90% 60% 100%			
CONSTRUCTION				
UW - WAC	YEAR 1	YEAR 2	YEAR 3	
PROJECT IMPLEMENTATION	QTR 1 QTR 2 QTR 3	QTR 4 QTR 1 QTR 2	QTR 3 QTR 4 QTR 1	QTR 2 QTR 3 QTR 4
PERMITTING FEDERAL		Advisory US Fish	WA NEPA Council on Historic Preservation & Wildlife rrps of Engineers	
STATE		WA Dep WA Dep	t. of Ecology t. of Fish & Wildlife t. of Natural Resources	
LOCAL (City of Seattle)			e Substantial Development Permit/SEPA	ng Permit
DESIGN	30%		60% 90% 100%	
CONSTRUCTION			(Comp	leted in Year 4, Quarter 1)

## BALLARD TO DOWNTOWN SEATTLE (PIER 50)

BALLARD	YEAR 1	YEAR 2		YEAR 3	
PROJECT IMPLEMENTATION	QTR 1 QTR 2 QTR 3 Q	TR 4 QTR 1	QTR 2 QTR 3	QTR 4 QTR 1 QTR	2 QTR 3 QTR 4
PERMITTING FEDERAL	FTA/FHWA NEPA (CE) Army Corps of Engineers				
STATE	WA Dept. of Ecology WA Dept. of Fish & Wildlife WA Dept. of Natural Resources				
LOCAL (City of Seattle)	Shoreline Exemption/SEPA				
DESIGN	30% 90% 60% 100%				
CONSTRUCTION					

## King County Water Taxi TASK 5: OUTREACH

Interim Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS OCTOBER 30, 2015

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- 2. Outreach to Date
- **3.** Feedback Received to Date

### **List of Tables**

Table 1: Agency Coordination Key Issues Matrix

### Attachments

Attachment A – Letter to Agencies to Distribution List Attachment B – Service Alternatives Outreach Log Attachment C – Agency Response Letters

### 1. Introduction

The purpose of this memo is to outline the outreach efforts to date, which include conversations, meetings and some outstanding coordination with potential terminal location jurisdictions.

## 2. Outreach to Date

On February 19, 2015, email communication was sent to communities of potential terminal locations, which introduced the project and asked for their feedback regarding potential water taxi terminal landing sites. The list of outreach recipients can be found in Attachment A and consisted of all Lake Washington communities, as well as City of Seattle and the City of Des Moines, King County Council and regional/local transportation agencies. The communication can be found as Attachment B of this memo.

Since that time, several communities have been in contact with our planning team (Refer to Attachment A). The project team then began site visits and held additional follow-up meetings with agencies.

On April 23, 2015 a second email communication (refer to Attachment B) was sent to the waterfront communities previously identified in the first wave of outreach. The purpose of this outreach was to update and inform on where the plan was and the progress that had been made to date. This correspondence outlined the seven routes that had been identified for ridership analysis, which included:

- 1. Kenmore (Log Boom Park) to University of Washington (Waterfront Activity Center)
- 2. Kenmore (Log Boom Park) to Bellevue (Marina)
- 3. Kirkland (Marina Park) to University of Washington (Waterfront Activity Center)
- 4. Bellevue (Marina) to University of Washington (Waterfront Activity Center)
- 5. Renton (Southport) to Bellevue (Marina)
- 6. Des Moines (Marina) to Downtown Seattle (Pier 50)
- 7. Ballard (Shilshole Marina) to Downtown Seattle (Pier 50)

Concurrently with the transmittal of the interim report to the King County Council, each community was notified regarding the findings and recommendations of the interim report. This correspondence is in letter/email format, specific to each city/community/organization.

With the preparation of the final report, the five jurisdictions/agencies associated with the three routes identified for further consideration were consulted with again to see if there were additional questions, comments or concerns. These jurisdictions/agencies included: City of Kenmore, City of Kirkland, University of Washington, Port of Seattle and City of Seattle. Outreach which occurred between the Interim Report and Final Report publishing can be found in Attachment A.

## 3. Feedback Received to Date

The feedback identified in Table 1 below represents feedback from the three final routes which met the evaluation criteria. These routes include:

- 1. Kenmore (Log Boom Park) to University of Washington (Waterfront Activity Center)
- 2. Kirkland (Marina Park) to University of Washington (Waterfront Activity Center)
- 3. Ballard (Shilshole Marina) to Downtown Seattle (Pier 50)

Of these routes, the following Table 1 identifies the general concerns identified from meetings and correspondence to date. Formal feedback has been provided by the City of Kenmore, the City of Kirkland and University of Washington and is included in Attachment C.

Meetings were held with the City of Kenmore, City of Kirkland, University of Washington, Port of Seattle and City of Seattle. Formal comments have not yet been received from the City of Kirkland, Port of Seattle or City of Seattle. The key issues gathered from those meetings have been outlined in Table 1 below. In addition to the jurisdictions/agencies involved with the three considered routes, Expedia has provided a letter of support for the expansion of water taxi service on Puget Sound. Their letter has also been included in Attachment C.

Table 1: Agency Coordination Issues Matrix can be found on the next page.

Agency/Jurisdiction	Key Issues/Comments Identified
City of Kenmore	Pedestrian connectivity
(Kenmore to UW WAC)	<ul> <li>Sees as great benefit to the community</li> </ul>
	Supportive of land use policies
	<ul> <li>Access to Log Boom Park terminal is currently being upgraded</li> </ul>
City of Kirkland (Kirkland to UW WAC)	<ul> <li>Increase in roadway congestion in downtown Kirkland and parking availability by adding a circulator shuttle</li> </ul>
	<ul> <li>Sees as benefit to a growing downtown core</li> </ul>
	Access to POF terminal
	Supportive of land use policies
	<ul> <li>Existing dock condition and current lease by other commercial entities</li> </ul>
	<ul> <li>Winter seasonal wind/wave action that may impact moorage</li> </ul>
University of Washington	Potential conflict with UW rowing program practice schedule
(Kenmore to UW WAC)	<ul> <li>Coordination of development plans with the University's landscape architect</li> </ul>
(Kirkland to UW WAC)	Pedestrian connections from POF terminal to Light Rail Station and UW Medical Center
	Coordinate operations with the WAC
	<ul> <li>Expressed interest in expanded game day service</li> </ul>
	<ul> <li>Look at potential connections to University of Washington, Bothell Campus</li> </ul>
	<ul> <li>Increase in UPass cost for higher priced service mode choice</li> </ul>
	Public outreach required
Port of Seattle	Conflicts with seasonal marina traffic
(Ballard to Pier 50)	Parking to be managed
	<ul> <li>Potential positive synergistic relationship by offering service/opportunities for their customers and businesses on-site</li> </ul>
City of Seattle	Transit access to POF terminal in Shilshole
(Ballard to Pier 50)	Parking availability
	Increase roadway traffic volumes
Expedia (Ballard to Pier 50)	<ul> <li>Sees a benefit to their workforce and the community through enhanced waterfront connections.</li> </ul>

#### Table 1: Agency Coordination Key Issues Matrix

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## Attachment A

Service Alternatives Outreach Log for Interim Report

Agency/ Jurisdiction	Contact	Initial Outreach Response from Agencies (includes contact Info)	Second Outreach to waterfront communities 4/23/15 from Kristen Kissinger sent to:	Correspondence Log
City of Kenmore	Mayor David Baker <u>dbaker@kenmorewa.gov</u> City Manager: Rob Karlinsey <u>rkarlinsey@kenmorewa.gov</u> Community Development Director: Debbie Bent <u>dbent@kenmorewa.gov</u> Development Services: Bryan Hampson <u>bhampson@kenmorewa.gov</u>	City Manager, Rob Karlinsey official City letter response, approved by City Council. NANCY K. OUSLEY ASSISTANT CITY MANAGER CITY OF KENMORE, WA 425.398.8900 OFFICE 206.604.6217 MOBILE	Nancy Ousley	3/3 Formal response from City Manager, approved by Council 3/26 Site Visit and Meeting with Assistant City Manager Nancy Ousley, Planning and Community Development Director Debbie Bent and Public Works Director Kristen Overleese
City of Lake Forest Park	City Administrator, Pete Rose prose@ci.lake-forest-park.wa.us Mayor Mary Jane Goss mgoss@ci.lake-forest-park.wa.us	Mary Jane Goss Mayor City of Lake Forest Park 206.957.2801 - Office 206.255.3564 - Cell	Mary Jane Goss	Follow-up emails with Mayor to answer questions, no formal meeting or call scheduled.
City of Mercer Island	Noel Treat <u>Noel.Treat@mercergov.org</u> Scott Greenberg	None	Noel Treat Scott Greenberg	None
City of Kirkland	Mayor Amy Walen <u>awalen@kirklandwa.gov</u> City Manager: Kurt Triplett <u>ktriplett@kirklandwa.gov</u> Parks and Community Services Director: Jennifer Schroder <u>JSchroder@kirklandwa.gov</u> Planning & Comm Devlpmt Director: Eric Shields <u>EShields@kirklandwa.gov</u>	None	Eric Shields	6/18 meeting with: <i>Kathy Brown</i> <i>Director</i> City of Kirkland, Department of Public Works P 425.587.3802/Cell 425.457-0047 <u>kbrown@kirklandwa.gov</u> and David Godfrey <u>DGodfrey@kirklandwa.gov</u>

Agency/ Jurisdiction City of Bellevue	Contact Mayor Claudia Balducci <u>cbalducci@bellevuewa.gov</u> City Manager: Brad Miyake <u>bmiyake@bellevuewa.gov</u> Development Services Director: Mike Brennan	Initial Outreach Response from Agencies (includes contact Info) Kevin McDonald, AICP Senior Transportation Planner/Bellevue Transportation Department (425.452.4558/ kmcdonald@bellevuewa.g	Second Outreach to waterfront communities 4/23/15 from Kristen Kissinger sent to: Kevin McDonald	Correspondence Log General email Correspondence 6/15 Meeting with Kevin McDonald
City of Renton	Mayor Denis Law <u>denis.law@renton.wa.gov</u> Department of Community and Economic Development Administrator: Vincent <u>cvincent@rentonwa.gov</u>	Jim Seitz Transportation Planning and Programming Manager Transportation Division Tel 425-430-7245 iseitz@rentonwa.gov	Jim Seitz	3/26 Meeting on-site with Jim Seitz
City of Des Moines	Mayor Dave Kaplan <u>dkaplan@desmoineswa.gov</u> City Manager: <u>tpiasecki@desmoineswa.gov</u> Parks Director: Patrice Thorell <u>pthorell@desmoineswa.gov</u> Planning Manager: Denise Lathrop <u>dlathrop@desmoineswa.gov</u>	Michael Matthias Asst. City Manager / Economic Development Director City of Des Moines, WA 206.870.6554 <u>mmatthias @desmoineswa</u> .gov	Michael Matthias	3/9 Conference call with: Assistant City Manager and Economic Development Director Michael Matthias, City Manager Tony Piasecki, Harbor Master Joe Dusenbury and Parks Director Patrice Thorell
City of Seattle	Mayor Ed Murray ed.murray@seattle.gov Planning Director: Diane Sugimura Diane.Sugimura@seattle.gov Parks Acting Superintendent: Chris Williams Parks Acting Deputy Superintendent: Susan Golub . golub@seattle.gov Andrew Glass Hastings <u>Andrew.GlassHastings@seattle.gov</u>	Direct email to the mayor and Planning Director failed.	Maria Koengeter Diane Sugimura	7/9/15 Andrew Glass Hastings emailed response with comments

Agency/ Jurisdiction	Contact	Initial Outreach Response from Agencies (includes contact Info)	Second Outreach to waterfront communities 4/23/15 from Kristen Kissinger sent to:	Correspondence Log
County Council	Councilmember Dembowski <u>rod.dembowski@kingcounty.gov</u> Staff: <u>Elizabeth.evans@kingcounty.gov</u>	None		
County Council	Councilmember Phillips <u>larry.phillips@kingcounty.gov</u> Staff: <u>BrynDel.Swift@kingcounty.gov</u>	None		
County Council	Councilmember Lambert <u>kathy.lambert@kingcounty.gov</u> Staff: <u>April.sanders@kingcounty.gov</u>	None		
County Council	Councilmember McDermott joe.mcdermott@kingcounty.gov Staff: <u>Shannon.braddock@kingcounty.go</u> <u>V</u>	None		
County Council	Councilmember Hague jane.hague@kingcounty.gov Staff: Kimberly.nuber@kingcounty.gov	None		
County Council	Councilmember Gossett <u>larry.gossett@kingcounty.gov</u> Staff: <u>Michelle.clark@kingcounty.gov</u>	None		
County Council	Councilmember Dunn reagan.dunn@kingcounty.gov Staff: Tom.goff@kingcounty.gov	None		
County Council	Councilmember von Reichbauer pete.vonreichbauer@kingcounty.gov Staff: cynthia.spellecy@kingcounty.gov and sara.smith@kingcounty.gov	None		
County Council	Councilmember Upthegrove <u>dave.upthegrove@kingcounty.gov</u> Staff: Jeff.muhm@kingcounty.gov	None		
PSRC	Stephen Kiehl skiehl@psrc.org	None		
Sound Transit	Trinity Parker trinity.parker@soundtransit.org ric.ilgenfritz@soundtransit.org	None		Follow up with Andrea Burnett regarding ST long range plans. Ryan Bianchi (Roosevelt/Ballard) and Page Johnson (ownership questions)

Agency/ Jurisdiction WSF	Contact Ray Deardorf deardorf@wsdot.wa.gov	Initial Outreach Response from Agencies (includes contact Info) None	Second Outreach to waterfront communities 4/23/15 from Kristen Kissinger sent to:	Correspondence Log
King County	Paul Brodeur paul.brodeur@kingcounty.gov Chris O'Claire <u>christina.oclaire@kingcounty.gov</u> Chris Arkills <u>Chris.Arkills@kingcounty.gov</u> Bill Greene <u>Bill.Greene@kingcounty.gov</u>	N/A (internal coordination on- going)		
University of Washington	Josh Kavanagh Transportation Director joshkav@u.washington.edu	3/2 email from Josh outlining he would be happy to provide us with any information we need.	Josh Kavanagh	5/4 Meeting with Josh 5/28 Meeting with Department Representatives: Josh Kavanagh (Transportation) Kristine Kenney (Planning) Steve Kennard (Real Estate) Jim Seagren (Recreation Sports) Stephanie Rempe (Architect) Sally Clark (Community Relations) and Daniel Erickson (Intercollegiate Athletics) 6/9 call with Aaron Hoard (Community Relations) 6/12 Response letter authored by Aaron Hoard with input from departments. 6/15 call with Bob Ernst (women's crew coach) and Paul Brodeur (concerns addressed in format UW response)
SDOT	Scot Kubly scott.kubly@seattle.gov	None		
Port of Seattle	Joseph Gellings (206) 728-3368 <u>Gellings.j@portseattle.org</u>			6/18 Conference Call with Marina manager Tracy McKendry and long range planner Joseph Gellings

### Service Alternatives Outreach Log for Final Report

Agency/ Jurisdiction	Contact Person	Correspondence Log
City of Kenmore	Mayor David Baker <u>dbaker@kenmorewa.gov</u> City Manager: Rob Karlinsey <u>rkarlinsey@kenmorewa.gov</u>	Follow-up phone conversation followed by a formal response from City of Kenmore dated October 19, 2015.
City of Kirkland	Mayor Amy Walen <u>awalen@kirklandwa.gov</u> City Manager: Kurt Triplett <u>ktriplett@kirklandwa.gov</u>	9/25 Meeting with Kurt Triplett, Kathy Brown and Ellen Miller-Wolfe
City of Seattle	Edie Gilliss Edie.Gilliss@seattle.gov Andrew Glass Hastings Andrew.GlassHastings@seattle.gov	10/7/15 Meeting with: Edie Gilliss, Office of Intergovernmental Relations, Edie.Gilliss@seattle.gov; Bill Bryant, SDOT Bill.Bryant@seattle.gov, and Andrew Glass Hastings.
County Council	Councilmember Dembowski <u>rod.dembowski@kingcounty.gov</u> Staff: <u>Elizabeth.evans@kingcounty.gov</u>	Briefed Elizabeth Evans 7/23/15
County Council	Councilmember Phillips <u>larry.phillips@kingcounty.gov</u> Staff:BrynDel.Swift@kingcounty.gov	
County Council	Councilmember Lambert <u>kathy.lambert@kingcounty.gov</u> Staff: <u>April.sanders@kingcounty.gov</u>	Briefed Councilmember Lambert and April Sanders on 8/31/15
County Council	Councilmember McDermott joe.mcdermott@kingcounty.gov Staff: Carrie.Avila- Mooney@kingcounty.gov	Briefed Carrie Avila-Mooney on 7/22/15
County Council	Councilmember Hague jane.hague@kingcounty.gov Staff: Kimberly.nuber@kingcounty.gov	Briefed Kimberly Number on 7/24/15
County Council	Councilmember Gossett <u>larry.gossett@kingcounty.gov</u> Staff: <u>Michelle.clark@kingcounty.gov</u>	
County Council	Councilmember Dunn reagan.dunn@kingcounty.gov Staff: Tom.goff@kingcounty.gov	

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Agency/ Jurisdiction	Contact Person	Correspondence Log
County Council	Councilmember von Reichbauer <u>pete.vonreichbauer@kingcounty.gov</u> Staff: <u>cynthia.spellecy@kingcounty.gov</u> and <u>sara.smith@kingcounty.gov</u>	
County Council	Councilmember Upthegrove <u>dave.upthegrove@kingcounty.gov</u> Staff: <u>Jeff.muhm@kingcounty.gov</u>	
University of Washington	Josh Kavanagh Transportation Director joshkav@u.washington.edu	9/30/15 Update email sent, no follow-up received.
Port of Seattle	Joseph Gellings (206) 728-3368 <u>Gellings.j@portseattle.org</u>	9/30/15 Phone conversation and update email sent, no follow-up identified.

## Attachment B

Initial Outreach Letter (Feburary 19, 2015)

Second Outreach Email (April 23, 2015)

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Department of Transportation Marine Division M.S. KSC-TR-0816 201 South Jackson Street Seattle, WA 98104-3856

February 19, 2015

Dear Community Representative:

RE: Water Taxi Service Expansion Options Report

Your community has been included in a broad list of potential sites for expanded King County Water Taxi (Water Taxi) service. We would like to request your early assistance and expertise to inform the initial examination of potential Water Taxi routes. Transit agencies in the Puget Sound region are planning and developing exciting new transit-oriented improvements with the expansion of Sound Transit's Link Light Rail and updating the King County Metro Long Range Plan. In coordination with these planned improvements, the King County Marine Division (KCMD), a division of King County Department of Transportation, would like to improve multi-modal connections by utilizing King County waterways and expanding the current Water Taxi service.

The Water Taxi currently serves West Seattle and Vashon Island from downtown Seattle. Based on recommendations in the 2014-2018 KCMD Strategic Plan, the King County Council authorized the development of a report to identify feasible routes for expansion of the current Water Taxi service. KCMD is in the beginning stages of reviewing potential route opportunities for expanded Water Taxi service.

The intent of the report is to review multiple route options and conduct in-depth analysis of routes with the highest likelihood of success through review of existing infrastructure, ridership demand, route competitiveness, and other factors. The following includes a sequential list of report elements and route criteria:

Coordinate with regional transportation plans Identify route requirements and potential landing sites

Determine route competitiveness Calculate ridership demand Identify infrastructure needs and costs

Your early involvement in the process will be invaluable to determine the feasibility of routes. Information you can provide that will assist in the route selection could be:

- Community interest in Water Taxi service.
- Potential landing sites in your area and potential destinations for the Water Taxi.
- Transit-oriented development plans specific to your community.
- Parking opportunities (i.e. churches, lots, garages, etc.) nearby a potential landing site.

Please consider the information above as it relates to your community and provide any information you

14561 Water Taxi Expansion Options Report February 19, 2015 Page 2

think would be helpful in our analysis to our consultant KPFF Consulting Engineers, Attn: Kristen Kissinger (kristen.kissinger@kpff.com) by March 5, 2015. We appreciate your assistance to direct the review of potential Water Taxi service expansion and look forward to working with you on the common goal of improving transportation opportunities in our community.

Sincerely,

Paul At Broden

Paul H. Brodeur Division Director King County Marine Division

#### **RE: UPDATE—Water Taxi Service Expansion Options Report**

Dear Community Representative,

As you may remember, you were contacted in February to inform you and seek your input on the King County Water Taxi Service Expansion Report. We want to take this opportunity to inform you that the study is making progress, background research has been completed, and potential routes have been identified. The next step was to calculate time competitiveness of using the water taxi verse the competing modes (transit or a private vehicle). The purpose of this correspondence is to update you on the progress and interim findings of the analysis.

The following routes meet the criteria of time competitive and have been identified for further analysis:

- 1. Kenmore to University of Washington
- 2. Kenmore to Bellevue
- 3. Kirkland to University of Washington
- 4. Bellevue to University of Washington
- 5. Renton to Bellevue
- 6. Des Moines to Pier 50
- 7. Ballard, Seattle to Pier 50

The next step in route evaluation is ridership demand analysis, which may further narrow down the list of potential routes.

Figure 1.0: Water Taxi Expansion Options Report Timeline



If you have any questions, please feel free to contact me at kristen.kissinger@kpff.com. We appreciate your assistance to date and look forward to working with you further as the plan progresses on the common goal of improving transportation opportunities in our community.

Kristen Kissinger, AICP Consultant to King County Marine Division KPFF Consulting Engineers This page intentionally left blank.

## Attachment C

### Agency Response Letters

- University of Washington (6/12/15)
- City of Kenmore (3/3/15)
- City of Kenmore (10/19/15)
- Expedia (10/17/15)
- City of Kirkland (10/21/15)

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June 12, 2015

Kristen Kissinger, AICP Project Manager, KPFF 1601 5th Avenue, #1600 Seattle, WA 98101

#### **RE: UW comments on King County Water Taxi Report**

Dear Ms. Kissinger:

Thank you for briefing the University of Washington on the draft King County Water Taxi Alternative Service Options Report. We appreciate the opportunity to provide comments on this report. The following provides a summary of issues we have heard from internal stakeholders at the University.

Although there is some interest in new ferry service to campus, there are significant concerns about the impacts this may create for the UW's rowing program. There are between 300 and 150 UW rowers out on the water on any given day. They typically practice 6-9am and 2:30-6pm. This overlaps almost exactly with the proposed timeframes for ferry operation. The majority of their practice occurs between the tip of Laurelhurst and University Bridge, which intersects with the proposed ferry routes. It is the rowing program's belief that this service will create disruptive wakes and conflicts in the area regardless of boat design or operational assurances. If these impacts cannot be mitigated to their satisfaction, it is unlikely that the University will approve service to campus.

If King County can satisfy the rowing program's concerns, there are a number of other issues that would need to be addressed for new ferry service to land on campus. These include:

- Any design for improvements would need to be closely coordinated with the University Landscape Architect to make sure these compliment the University's activities and character and don't detract from the serene quality of the adjacent wetlands and waterfront. Minor elements like parking, signage, etc. will need to be fully coordinated if the project proceeds. We would also need signage and/or bollards to prevent public vehicle access to the dock area for drop-off and pick-up.
- A pedestrian connection to the Sound Transit station would be a great benefit for the University, providing a better sense of connectedness for the Waterfront Activities Center to campus. However, this is not easily done because of the steep grades between the two locations, so it would need to be carefully designed to ensure pedestrian safety through the parking lots.

• A number of ferry passengers would travel to the south campus, including the UW Medical Center and Health Sciences facilities. A single enhanced connection to the Sound Transit station would not benefit these users because it would force an out-of-direction connection versus a direct connection along an improved waterfront trail. We have performed other transportation studies on the UW campus relevant to inefficient, out-of-direction connections and the end result shows an increase in behavior that is unsafe (i.e. illegal mid-block crossings, travel paths with poor sight lines and heavy vehicular traffic). We want to support safe travel and therefor would want to see enhanced connections to both the station and along the waterfront trail.

We would request collaboration to develop the 2.1 mile waterfront trail inclusive of both pedestrian and bicycle infrastructure to provide exceptional accessibility and connectivity. We believe, at minimum, there should be assistance with the permitting process which should include the waterfront trail and any necessary permitting to make all necessary improvements to the dock site for this new transportation service. Additional funding may also be needed for this trail.

- The Waterfront Activities Center (WAC) believes this service can coexist with their current small boat operations. However, that would need to be carefully coordinated with your boat captains to ensure the safety of these recreational boaters.
- The docks at the WAC would need to be rebuilt to accommodate this new service, current small boat users and existing boat moorage on football game days. The ferry use cannot reduce space for small boat use or game day moorage. Milfoil in the area around the dock would need to be evaluated and mitigated to ensure taxis can safely access the dock.
- The University would need to negotiate a temporary license with King County to use UW property or docks as long as the water taxis is in service. There would need to be some form of compensation from the County, either a direct payment or perhaps through construction of a new dock or improvements on UW property.
- The University would request King County to consider expanding service for Husky football games if it's logistically and financially feasible.
- The University would want analysis done on connecting this service to UW Bothell. It's likely that some students, staff and faculty would use the service as a connection to the north part of the Burke-Gilman Trail. Water taxis should have room to accommodate bicycle commuters. UW Bothell is interested in possible Metro service connections to the Kenmore dock.

- We are concerned that riders who shift from bus service to the ferries will increase the costs for our U-PASS contract without creating a better outcome in trip reduction. This can be resolved operationally, either through a reduced fare for U-PASS members OR limiting the cost to the UW of the Metro fare and charging a supplemental fare directly to the user. We would need a commitment to one of these in the agreement in order to minimize financial risk going forward.
- There are a number of other waterfront users around the University including private rowing clubs, houseboats and waterfront home owners. It is very important for the University to maintain good relations with its neighbors, so we would require King County to fully engage these people to make sure they are comfortable with the proposed ferry service and their concerns are addressed.

Thank you again for providing us with the opportunity to give comments on this study. If you have any questions or would like to speak with us further about this, please feel free to contact me directly.

Sincerely,

aaron Hoard

Aaron Hoard Deputy Director UW Regional & Community Relations

CC: Mike Anderson, KPFF Paul Brodeur, King County Marine Division Kristine Kenney, UW Landscape Architect Jim Seagren, UW Waterfront Activities Center Robert Ernest, UW Rowing Stephanie Rempe, UW Intercollegiate Athletics Anna Stock, UW Real Estate Daniel Erickson, UW Intercollegiate Athletics Josh Kavanaugh, UW Transportation Elisabeth McLaughlin, UW Transportation Rebecca Barnes, UW Architect Sally Clark, UW Regional & Community Relations Kelly Snyder, UW Bothell



## **City Of Kenmore, Washington**

March 3, 2015

Paul H. Brodeur, Director King County Marine Division M.S. KSC-TR-0816 201 South Jackson Street Seattle, WA 98104-3856

Dear Mr. Brodeur:

Thank you for including the City of Kenmore in the Water Taxi Expansion Study. Please include Kenmore as a community that is very interested in seeing a water taxi station located in our city.

#### **Community Interest**

Located on the north end of Lake Washington, Kenmore is a strategic location for passenger ferry service. Kenmore's State Route 522 is a major cross-lake corridor, carrying more than 40,000 vehicles per day. SR 522 has seen increased demand and congestion since 520 bridge tolling was installed. Population and economic growth have also added congestion pressures to the SR 522 corridor.

The Burke Gilman Trail runs along Lake Washington's north shore through Kenmore and would complement passenger ferry service given the high volumes of bicyclist and pedestrians that utilize the trail every day. The benefit of a trail and water taxi connection is the potential reduction of parking required.

Kenmore residents and those from surrounding Northshore communities use Kenmore as a major transit point as they commute to Seattle and the East Side (designated regional centers). Tech workers, university faculty, and many other employment sectors are represented among the multitude of Kenmore and Northshore commuters. Given the difficult drive down the I-5 and I-405 corridors, we believe many Northshore commuters would welcome an alternate method of transporting themselves to work.

In addition, Bastyr University provides a well-used shuttle service between Kenmore and Seattle, and a water taxi would likely be an attractive alternative and supplement to this service.

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#### Potential Landing Sites in Kenmore and Potential Destinations from Kenmore

Potential landing sites in Kenmore include the Lakepointe property (privately owned) via the Kenmore Navigation Channel, the public wharf at Harbor Village Marina, and the public pier at Log Boom Park.

Potential water taxi destinations from Kenmore include the University of Washington campus and the new University of Washington Light Rail Station, both of which are on the Montlake Cut. Other destinations could include drop off points at South Lake Union, Leschi, and the Madison Park dock, all of which are in proximity to bus routes to downtown Seattle. We also recommend exploring additional destination points on Lake Washington, including downtown Kirkland and as far south as Renton.

#### **Transit-Oriented Development Plans in Kenmore**

Sound Transit's long range plan has identified Kenmore for future High Capacity Transit. In addition, the City has been upgrading its transit facilities along SR 522 in phases, including new and widened bus-only lanes and upgraded bus stops. The next major phase of SR 522 improvements will be under construction this spring. Kenmore is also home to a large Metro Transit Park & Ride and serves as a major Metro Transit bus corridor. Later this year the City will be adopting a new Transit Oriented Development overlay district that reinforces the City's planned concentration of pedestrian oriented mixed-use development at intensities that support and would be supported by multi-modal transportation options.

#### **Parking Opportunities Near Potential Landing Sites**

The Lakepointe property, though privately owned, has the most potential for parking, given its current flat, undeveloped state. Plans for this 45-acre waterfront site include high density residential and commercial uses. As for the Log Boom Park pier and Harbor Village wharf locations, additional parking would need to be constructed and/or acquired. There is untapped opportunity for additional on-street parking along NE 175<sup>th</sup> Street at these potential landing site locations, and there are also neighboring commercial parking lots that are underutilized.

Again, we appreciate this opportunity to be included in this study, and we are happy to assist. Please see us as a resource, and we look forward to next steps.

Sincerely. Karlinsev

City Manager City of Kenmore

CC: Kristen Kissinger, KPFF

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2



October 19, 2015

Paul Brodeur, Director Marine Division King County Department of Transportation KSC-TR-0816 201 South Jackson Street Seattle, WA 98104-3856

Sent by email and USPS

**RE: Water Taxi Service Expansion Report** 

Dear Mr. Brodeur:

Thank you for providing information on the assessment of potential water taxi expansion routes. We are very pleased that Kenmore is a top option for further study, and we have long believed that passenger ferry service would attract many riders in this area. Please consider the following comments as you prepare a final report.

**Projected Ridership and Connections with Other Travel Modes:** Kenmore's location at the top of Lake Washington is convenient to employment centers in Seattle, Eastside, and South Snohomish County; State Route 522 is a toll-free and busy corridor, carrying 40,000 - 50,000 vehicles per day. Transit travel on Metro and Sound Transit is a popular travel choice in Kenmore, and Sound Transit's Route 522 Express ridership increased by 18% between 2014 and 2015—one of the highest growth rates of all Sound Transit Express routes. Metro Route 372 carries more than 5,000 riders daily on the corridor. Many riders come from Kenmore, and others come from other Northeast King County or South Snohomish County communities. Park and Ride lots are at capacity early each day, and the Burke-Gilman Trail is an important commuter artery through the city. Recent counts along the trail at weekday peak hours showed several hundred bikes using the route. Kenmore Air Harbor, the largest in the US, is adjacent to the water taxi landing sites being considered.

We are working with neighboring cities and a community coalition to advocate and ensure that the following investments are incorporated into the ST3 final project list: bus rapid transit and a light rail study for SR 522; bus rapid transit connecting to the light rail station on NE 145<sup>th</sup> Street; and SR 522 Corridor structured parking.

Kenmore and nearby Bothell constitute a higher education destination—Bastyr University's main campus is in Kenmore and the University has a teaching clinic in North Lake Union in Seattle. Bastyr maintains regular and well-used shuttle service between the Kenmore campus and their North Lake Union location. UW Bothell and Cascadia College are fast growing institutions a few miles from downtown Kenmore. Overall, there are over 12,000 students and employees connected with these three higher education institutions.

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Paul Brodeur October 19, 2015 Page 2

The City of Kenmore has approved a large area in downtown Kenmore for Transit Oriented Development, and recent multifamily projects in the heart of downtown have added over 300 units near the proposed water taxi landing sites. The City has, along with funding partners, made major investments of over \$70 million to provide transit lanes, pedestrian facilities and streetscape improvements along the SR 522 Corridor, and the State Legislature funded the final project segment in the 2015 Session. In summary, a Kenmore-University of Washington water taxi route will attract substantial ridership traveling to destinations in both directions.

**Lakepointe Landing Site:** This proposed landing site is situated along the Kenmore Navigation Channel, a US Army Corps of Engineers facility. In recent years a portion of the 45 acre Lakepointe property has been leased to the WSDOT State Route 520 Bridge project contractor, KGM, for fabrication of bridge anchors and deck components. The contractor has completed the fabrication work and will leave the site in late 2016.

The larger Lakepointe property is a prime location for potential redevelopment, and a development company is actively assessing moving forward with a project on the site. This project could include approximately 1200 residential units and 600,000 square feet of commercial development, including a hotel and marina. This development is early in its process, and the development team is positive about the prospect of a water taxi landing site at the property.

Log Boom Park Landing Site: The summary report on Log Boom Park in the Interim Report was accurate, and we agree that it could be a suitable landing site, particularly on an interim basis. The report mentions the access to the nearest transit stop on SR 522 is challenging because of the steep conditions on 61<sup>st</sup> Ave NE between NE 175<sup>th</sup> Street and SR 522; this street section is currently being realigned to improve the access for autos and pedestrians. The near-shore platform at the entry ramp to the pier at Log Boom Park could be considered for use as a passenger shelter with minimal disruption to recreational activities. There may be options for secure overnight water taxi vessel moorage at two nearby marinas.

Thank you again for your work on this important project. If you have any questions, please contact me or Assistant City Manager Nancy Ousley.

Sincerely,

Rob Karlinsey City Manager

Cc: City Council King County Councilmember Rod Dembowski Bcc: Management Team



October 17, 2015

Paul H. Brodeur Division Director King County Department of Transportation, Marine Division 201 S. Jackson Street Seattle, WA 98104

Dear Paul,

Thank you for the opportunity to submit this letter, which expresses Expedia, Inc.'s interest in and strong support for a possible future water taxi route to/from Ballard and downtown Seattle.

In anticipation of our move in 2019 to Amgen's former Helix campus, we are hard at work planning several aspects of our future home on the 40-acre waterfront site. Expedia, Inc. currently employs roughly 3,000 people in Bellevue and we anticipate additional growth by the time we move.

Our current work includes a strong focus on strategies we can support and deploy in an effort to reduce single-vehicle (SOV) trips to and from our Seattle campus during peak commute hours. We've committed to a SOV rate of 49% by the time we move to the campus in 2019 and have a variety of tools to use in our pursuit of that goal.

As such, we're excited about King County's current discussion around possible expansion of its water taxi service. As regional studies have shown, there are very few multi-modal commute options for residents getting to and from Ballard. Bus service, including Rapid Ride, is very popular and often full. The notion of adding a passenger-only water taxi route to/from Shilshole Marina to downtown Seattle, with a stop at or near our Interbay campus, would add much-needed options for north end residents and would be a natural benefit to our future employees, as well as close-in workers from other firms (Big Fish Games, F5, Holland America, etc.).

Thank you for the work you are doing to expand the water taxi service. Please let us know if there is any way we can be of assistance as this process progesses and if possible, we would like to be included as the discussions move forward.

Sincerely,

Mark Nagle Vice President of Real Estate & Procurement Expedia, Inc.

October 21, 2015



Paul H. Brodeur Division Director King County Department of Transportation Marine Division 201 S. Jackson Street, Room 816 Seattle, WA 98104

Dear Mr. Brodeur:

Thank you for the opportunity to comment on the <u>Interim Report on Ferry Expansion Options</u> for the Marine Division. The report identifies a potential ferry route between Marina Park, the City of Kirkland's downtown waterfront, and the University of Washington's Waterfront Activity Center (WAC) as one of three routes that met four criteria, including route time competitiveness, as well as ridership demand, operational costs, and fare box recovery.

The City of Kirkland is pleased that the route is under consideration. Ferry service across Lake Washington, whether for daily commuter service for workers and students or in support of Kirkland's vibrant seasonal tourism business, would be a wonderful addition to our mobility options. There, however, are a number of considerations that we discussed during our recent meeting with you, your staff and consultants. I would like to reiterate them so they may be considered as part of your further analysis.

The proposal indicates that the ferry would use the downtown marina. For the foreseeable future, there will be a scarcity of parking for the needs of Kirkland businesses and residents in downtown and City policy does not support a Park & Ride facility. Currently, the <u>Interim Report</u> does not contemplate additional parking capacity, nor is there much opportunity for expanding parking capacity in Kirkland's downtown business district.

Scarcity of parking means that, for ferry service in Kirkland to be successful, there will need to be a circulator service from major downtown employment hubs, residential areas, and our Kirkland Transit Center. The current report does not address the need for a connector, relying on the existing Transit Station to convey riders to and from the ferry. In order for the ferry service to succeed, there would need to be a connector.

The proposal is correct in showing an additional dock extending to the west in the downtown marina to accommodate ferry service. Most of the moorage in the downtown marina serves recreational users with limited space for large commercial boats. These spaces are either leased on a two to three-year basis (Argosy Cruises), or available for touch and go use by commercial charter boats (e.g. Waterways). The 2<sup>nd</sup> Avenue dock located south of the Downtown Marina also is in use, and should also be considered for ferry service.

In addition to being enlarged, the existing docks may need to be refurbished. While the City has received funding from the State of Washington for its small recreational boat slips and docks,

Paul H. Brodeur October 21, 2015 Page 2

commercial moorage requires other funding sources and therefore should be considered as part of the capital budget for ferry service.

Lastly, the downtown marina and 2<sup>nd</sup> Avenue dock are limited to seasonal use as turbulence in shoulder seasons makes it difficult to maneuver or moor a boat in the marina. A breakwater will likely be required for year-round use and also should be considered as part of the capital costs of ferry service. If King County wishes to consider mooring the ferries in Kirkland, a breakwater would definitely be required.

Thank you again for considering our comments. My staff and I look forward to cooperating with you and your department on what could be a significant opportunity to improve mobility for Kirkland residents and others.

Sincerely,

Kurt Triplett City Manager

cc: Kathy Brown, Public Works Director Ellen Miller-Wolfe, Economic Development Manager

# **Appendix F**

## King County Water Taxi KING COUNTY TRANSPORTATION, ECONOMY AND ENVIRONMENT COMMITTEE RESPONSE

Final Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS OCTOBER 30, 2015 This page intentionally left blank.

### **Overview and Responses**

The purpose of this document is to outline the follow-up items identified during the briefing of the interim report to the King County Transportation, Economy and Environment (TrEE) committee. This document responds to the topics identified for further analysis and outlines the section of the summary report and appendices where that revision or topic can be found.

Table 1.0: Response to 9/1/15 Tr	rEE Committee Inquiries
----------------------------------	-------------------------

Staff Report Topic and Follow-up Item	Page/Appendix Reference
Ferry Market Considerations	
Include a discussion of the market advantages and disadvantages compared to other modes.	Appendix—H
RESPONSE: Market advantages and disadvantages have been addressed in a separate appendix document. This document also touches on the regional emergency response capabilities of a water taxi service.	
Include a brief summary of the market analysis of what type of riders are likely to be drawn to the 3 routes identified for further consideration.	Appendix—H
RESPONSE: The service being offered is a commute only service with three round-trips in the AM commute and three round-trips in the PM commute. Therefore, it is expected that commuters would take advantage of this service. Should additional sailing times be offered, a broader base of ridership could be expected.	
Look again at potential dock locations in Fremont and a potential Fremont to South Lake Union route	Appendix—A
RESPONSE: A route from Fremont was considered; however, due to the slow down requirements in Lake Union of 7 knots, this service would not be time competitive to alternative modes of transportation.	
Screening Criteria and Threshold Considerations	
Include a discussion of why the screening criteria and thresholds were chosen.	Not Applicable
RESPONSE: The screening criteria used primary factors a commuter would use as a decision tool in determining their mode of transit. Factors included travel time, cost, accessibility, reliability, safety, and traveler experience. Time savings was the primary factor in San Francisco and New York. Congestion on the alternative modes, ferry	

schedule dependability and the traveler's experience were also factors considered. WSDOT is not applicable as they have no passenger ferry only routes.	
Look at what screening methods have been used by other ferry systems and consider any lessons learned or potential adjustments to the screening process used in the interim report.	Summary Report pg. 7
RESPONSE: Other passenger ferry systems use the same or similar criteria in the assessment of new routes. Ultimately, ridership levels and the related fare-box recovery calculations are the primary measurements that are used in the assessment of success. Ridership forecasts are driven by economic conditions, capture area, and market share. The market share is principally influenced by a rider or potential rider's assessment of cost and travel time competiveness compared to alternative modes of travel. Additional factors such as: departure and schedule reliability, frequency of service, safety, and passenger experience impact ridership potential.	
Ridership Forecasting Considerations	
In the ridership forecasting methodology, what adjustments were made to account for the service span and frequency differences between the West Seattle service and potential expansion routes? What would happen to ridership forecasts if they were compared to West Seattle ridership at a time of year when peak only service was offered? RESPONSE: The ridership forecasting methodology used as part of this study is described in technical Attachment A - KCMD Water Taxi Alternatives Ridership Forecast of Appendix C. This study first analyzed ridership statistics for the West Seattle/Downtown Water Taxi to determine potential market capture rates for commute travel to employment centers. Following that analysis three primary factors were used to forecast commute ridership for each expansion route alternative:	Not Applicable
<ul> <li>Accessibility of the terminal to potential customers</li> </ul>	
Market demand in the travel corridor	
<ul> <li>Travel time competitiveness of ferry routes compared to bus/rail transit</li> </ul>	
The primary data source used for the commute ridership forecasts is travel demand model output from the Puget Sound Regional Council (PSRC). This data summarizes peak AM person-trips between origin and destination zones throughout King County and nearby areas by mode of travel (single occupancy vehicle, carpool, transit, and other). This study analyzed data from different model outputs that reflect anticipated land use and transportation conditions in 2010 and 2025. Recreational ridership is forecasted separately using a different methodology under the assumption that all recreational trips are	

induced and would not be reflected in PSRC's travel model data. The analysis considers key differences between the Water Taxi service and destination characteristics compared to the proposed route alternatives in order to estimate recreational ridership potential and growth for each route.	
Additionally, the analysis only used data from the commute period timeframes on the existing West Seattle Water-taxi route (not expanded mid-day, evening, and weekend service during peak season) to help predict commute period ridership on the expansion routes.	
Look at a 2008 PSRC study of Kirkland to UW ridership and include a discussion of that study and its relation to current conditions	Not Applicable
RESPONSE: While there are some projections from the 2008 PSRC study that are higher or comparable to this latest study, it is true that forecasts in this latest study are generally higher. There are several reasons for this. Most notably, estimated ridership on the West Seattle to Downtown Seattle ferry has increased between 2008 and 2014, and estimated commute ridership has also increased between 2010 (the first year for which data is available) and 2014. Annual ridership in 2014 was also 17% higher than PSRC's projections: 282,662 (2014 actuals) compared to 240,900 (projected). Based on this newer data, BERK used higher market capture rates for commute travel between West Seattle and Downtown than those used in the 2009 study. These capture rates are used as a baseline for projecting the potential market capture of proposed ferry routes, taking into consideration differences between routes with regards to travel time competitiveness.	
Additionally, transit ridership in King County has grown considerably between 2008/2009 and 2015. PSRC travel demand forecasts suggest that ridership will continue to grow in years to come, increasing the total number of projected future transit commuters in the ferry markets served. This analysis is based on assumptions about reasonable capture rates of total transit riders between residential markets and employment centers served by ferries. As the demand for transit trips grows, so does the potential for ferry ridership.	
System Integration Considerations	
Expand upon how riders would access terminal locations and job sites, what access barriers exist, and what access improvements may be beneficial. Specific issues to include in the access discussion are:	Appendix—D
RESPONSE: This information can be found in the Infrastructure Cost appendix.	

0	The potential of Lakepointe as a future Kenmore terminal location	Appendix—D
	RESPONSE: Lakepointe is seen as the preferred final location for a Kenmore water taxi. However, due to an uncertain development schedule, Log Boom Park has been identified as a more immediate and suitable interim location.	Summary Report pg. 8
0	A Kirkland circulator service	0
	RESPONSE: After discussions with City staff, one Kirkland circulator shuttle has been added to the proposed service. This additional service will add to operating costs and it has the potential to bring a slight increase in ferry ridership and alleviate downtown Kirkland parking concerns around supporting a water taxi service. Ridership numbers in the report were not adjusted for this potential change.	Summary Report pg. 8
0	Bike and pedestrian access (including shelter) at Kirkland Marina	Appendix—D
	RESPONSE: Bike and pedestrian access to the proposed Marina Park terminal are currently seen as sufficient. A shelter has not been included in proposed capital costs as these improvements over water are typically not preferred due to view obstruction, shadowing over water, and regulatory conditions. Through meetings with the City of Kirkland, they have identified that the existing Marina Park dock facilities may undergo improvements in the near future, however this would not include improvements to the commercial portion of the dock (which is the proposed location for the water taxi terminal).	
Capital Cost (	Considerations	
Include m costs.	ore information about potential environmental and mitigation	Appendix—D
RESPONSE: Environmental and mitigation costs can vary substantially depending on the magnitude of construction at each location, as well as on agency and public comment. These costs can range from 5-30% of construction costs and could be more based on mitigation requirements. Based on the current understanding of the facilities, environmental costs were estimated at 15% of construction costs for Kirkland, Kenmore, and Ballard locations. UW WAC has known in-water improvements required and environmental costs were estimated at 30% of construction costs. The environmental review process and potential mitigation elements are described in "Next Steps" section of the Summary Report.		

Include a discussion of the potential for use of the Spirit of Kingston or other available leased vessels at startup. RESPONSE: The Spirit of Kingston does not meet the service criteria of the proposed routes and therefore was not considered as a back- up or main service vessel.	Not Applicable
Environmental Considerations	
Include a brief discussion of potential environmental impacts likely to be considered in the EIS process. RESPONSE: The typical environmental reviews analyzed during the EIS process are included in Design, Permitting, and Construction section of Appendix D.	Appendix—D
Safety Considerations	
Include a brief discussion about the safety and marine traffic impacts of ferry expansion routes. RESPONSE: There are no unusual safety issues associated with the expansion routes. Passenger Ferry service is regulated by the USCG and all operating safety and security protocols currently being followed on the Vashon and West Seattle service would apply. The terminal location at the UW WAC has a high occurrence of recreational water borne craft in the summer months. Any future water taxi service in/out of that facility would need to share the waters with these users much as is done today at West Seattle's Seacrest Park where the waterway is shared with paddle boarders, kayakers, and recreational divers.	Not Applicable
Other	
Include an appendix describing the work underway to consider passenger ferry service between Kitsap County and Seattle, and what King County's role may be in providing service, as well as how it would impact Pier 50. RESPONSE: This information has been included in a separate appendix.	Appendix—G

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# **Appendix G**

## KingCounty Water Taxi KITSAP TRANSIT PASSENGER-ONLY FERRY PLAN OVERVIEW

Final Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS OCTOBER 30, 2015

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- 1. Overview: Kitsap Transit Passenger-Only Ferry Business Plan and Long-Range Strategy
- **2.** What is the current Kitsap Transit POF Business Plan?
- **3.** How would the Kitsap Transit POF service be implemented?
- **4.** What are the next steps?
- **5.** What has Kitsap Transit learned through current public outreach?

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### 1. Overview: Kitsap Transit Passenger-Only Ferry Business Plan and Long-Range Strategy

Kitsap Transit has developed a business plan and long range strategy for implementation of passenger-only ferry services between Kitsap County and downtown Seattle. The plan includes analysis on routes, fares, ridership, and schedules; required vessels and shoreside facilities; a proposed implementation plan and schedule, and a twenty year financial plan balanced with a modest sales tax levy to subsidize service.

Input from thousands of Kitsap residents shaped the initial plan, adopted unanimously by the Kitsap Transit Board on January 6, 2015. At the time of adoption, the Board requested additional work to be completed to further refine the plan. It is expected that this would serve to support the Board's deliberations related to a levy increase ballot measure. This additional planning work should be completed by the end of 2015 and will include:

- Engaging the broader community in dialogue about the plan.
- Working with the State Legislature for additional funding options.
- Developing alternative capital funding and service phasing plans.
- Refining the governance plan and local taxing approach.
- Further exploring fare structure alternatives and fare collection.
- Developing alternative route and system financial plans.
- Defining in more detail the service delivery approach with King County and within Kitsap Transit.
- Outlining terminal lease arrangement for the west side terminals

## 2. What is the current Kitsap Transit POF Business Plan?

- Commute only service is funded at a County-wide sales tax increase of 2/10ths of a cent (a higher sales tax levy will be required for an extended service plan).
- Service would be implemented at Bremerton, Kingston and Southworth (in that order).
- Current crossing times are cut nearly in half from alternative option.
  - Bremerton (28 min crossing + 7 minute dwell time).
  - Kingston (33 minute crossing + 7 minute dwell time).
  - Southworth (23 minute crossing + 7 minute dwell time).
- <u>Kitsap would partner with King County to operate the service</u>. Kitsap Transit would set policies for fares & schedule level and manage the capital program. The existing organization and expertise available in the King County Marine Division would be utilized to operate the service

• Fare structure and collection would be integrated with ORCA.

# 3. How would the Kitsap Transit POF service be implemented?

- The Bremerton route is currently proposed to start within ~9 months of a successful sales tax levy vote.
- Kingston will follow (+2 yrs), once an appropriate vessel is procured and infrastructure improvements are completed.
- Southworth will follow (+7 yrs) following extensive infrastructure improvements.
- Pier 50 improvements will be needed to support additional service, which include the enhanced queuing
  planned for the new King County Water Taxi terminal. The existing two-slip float at Pier 50 would be
  expanded to a four slip float to support existing King County service and more than one Kitsap route.
  Route implementation will be dependent on the completion of these improvements. (current planned
  uplands work and expanded float)

### 4. What are the next steps?

- The Kitsap Transit Board will decide on the level of tax support and when to place a measure on the ballot.
- King County and Kitsap Transit would begin discussing partnership arrangements prior to a ballot measure vote insuring service could be up and running as quickly as possible, upon a successful vote.

# 5. What has Kitsap Transit learned through current public outreach?

To-date, public outreach has included a series of surveys, including two voluntary web surveys and two random sample telephone surveys, as well as stakeholder outreach, regional roundtables, community meetings and general public education on the plan. Overall the support for Kitsap based POF service is strong and most understand the benefits the service will bring to both the County and the region. However, many believe additional service outside the commute hours must be offered, that service to all three proposed routes should happen as quickly as possible and that support for local funding is dependent upon a clear demonstration of the benefits to commuter and the broader community.

## King County Water Taxi

## PASSENGER-ONLY FERRY MARKET ADVANTAGES

Final Report on Ferry Expansion Options for Marine Division



PREPARED FOR KING COUNTY MARINE DIVISION BY KPFF CONSULTING ENGINEERS OCTOBER 30, 2015 This page intentionally left blank.

## Passenger-Only Ferry Market Advantages

A passenger-only ferry service (water taxi) can provide many benefits which make it a compelling and competitive mode of travel, such as: travel time, trip cost, reliability, and customer experience.

#### Advantages:

- Departure and Schedule Reliability
  - Existing King County Water Taxi service maintains a 97 percent on-time departure rate and a 99.4 percent trip completion reliability. Proposed expansion routes are predicted to perform at a similar reliability level.
  - Ferry service typically experiences significantly less variability in travel times compared to road alternatives
- Seat for every passenger
- Customer Experience:
  - o Scenic ride
  - o WiFi (if offered)
  - o Concessions (if offered)
  - o Comfort
    - Room to work or rest in an individual seat
    - Ability to get up and roam around the vessel
    - Restrooms onboard
    - Opportunity to go out onto the outer decks of the water-taxi and experience the open air
- High safety records
- Trip cost is more affordable than personal vehicle travel (mileage, wear and tear, tolls and parking)

#### Disadvantages (in this application):

- Routes identified for further consideration (routes from Kenmore, Kirkland and Ballard) include longer commute times from 2015 alternative mode (transit or personal vehicle) ranging from a 17 to 29 minute total round trip time differential from the alternative transit mode.
- Higher proposed fare than current transit alternatives.
- Schedule delays (even cancellations during extreme conditions) can occur due to weather, however, road travel frequently experiences equal or greater delays during inclement weather.

#### Emergency Response Capability

The King County Ferry District approved a Strategic Plan in 2014. This plan laid the framework for integrating passenger only ferry service into the broader regional transportation system. As such,

there were four strategies outlined to continue to grow passenger only ferry service in King County. One of the four strategies was "Coordinate with Regional Planning and Emergency Management Efforts".

The Marine Division has been highly successful in creating and maintaining strong relationships with other emergency responders and emergency management agencies within the region and emergency preparedness is a high priority. Our regional passenger only ferry service constitutes an essential marine link to an effective emergency response to natural disasters, threats to national security, extreme weather events, or water-borne rescues. In the past year, crews have been successful in performing five water rescues in the waters of Puget Sound.

From inception, the Marine Division has been an essential marine participant in multi-agency emergency response drills. Participation in the Evergreen Quake exercise, Operation Lifeline, and a Joint Maritime Security Exercise prepare crews to be effective responders and strategic partners in the event of disaster or threat. By including passenger only ferries in the cadre of assets available in an emergency, regional responders are able to deposit or evacuate personnel and supplies throughout coastal Puget Sound on a scale and speed previously unavailable.

POF vessels have the unique ability to be highly maneuverable and able to access many docking locations. As such, they can assist in emergency situations that require immediate response for example where bridge access has been compromised. The King County Water Taxi could aid in evacuating people in an emergency such as the Water Emergency Transportation Authority (WETA) ferries did in the 1989 Loma Prieta Earthquake in San Francisco and the evacuation of Manhattan by the Staten Island Ferries during the 9/11 attacks.