

Executive Recommended

**2009 King County Comprehensive Plan
Analysis of Equity and Social Justice
For the
Regional Trails Needs Report**

February 27, 2009

Regional Trails Needs Report and Equity and Social Justice Initiative

In support of the King County Equity and Social Justice Initiative (ESJI), the Department of Natural Resources and Parks (DNRP) performed an equity assessment for its major lines of business, which included access to the Regional Trail System. The assessment utilized Geographic Information Systems (GIS) to map how selected services and facilities relate to basic demographic conditions. This comparison helps identify and address the relative fairness in distribution of benefits and burdens across service areas, with the goal of reducing racial or income-based inequity associated with facilities and programs.

Having this basic, screening-level understanding of how service portfolio impacts residents of various demographic backgrounds, provides a useful perspective for more detailed assessments, if needed. When considering capital improvements, outreach or planning decisions, these maps help assess the potential impacts of new actions as they relate to current service levels and spatial demographics.

Using GIS maps, DNRP has identified relationships between basic demographic characteristics and selected outcomes, including:

- The proximity of residents of various race and income levels to potentially undesirable facilities (e.g. transfer stations, pump stations);
- The proximity of residents of various race and income levels to desirable facilities (e.g. regional trails) or services; and
- The degree that residents of various race and income levels utilize services and/or are impacted by community conditions.

Approach

The DNRP method for assessing the equity of facility and service distribution includes these steps:

1. Map King County census block groups using six categories of race and income,
2. Plot selected DNRP facilities, service levels, and/or impact areas,
3. Create facility or program "catchment areas" by buffering appropriate distance from the facility or program location to include the affected areas,
4. Identify resident demographics in catchment areas,
5. Benefit assessment — Determine demographics of block groups living closer to selected desirable facilities or those receiving higher DNRP services levels,
6. Burden assessment — Determine demographics of block groups living closer to selected facilities or receiving lower levels of DNRP services,
7. Compare demographics of those in "catchment areas" with countywide averages
8. Summarize and map the findings, and
9. Identify if degree of disproportionality is significant enough to warrant a program response.

Results of Initial Assessment

Analysis of access to the Regional Trail System resulted in the following:

1. Distance to regional trails in relation to minority demographics revealed median distances to regional trails ranging relatively close between 0.89 miles to 1.21 miles for all Census Block Groups.
2. Distance to Regional Trail in relation to Income Demographics revealed median distances to regional trails between .92 miles and 1.17 miles.
3. Relationship of distribution of regional trails was mapped to show relationship of health disparities as portrayed by death by diabetes and heart disease, obesity, and degree of physical activity. These maps illustrate a geographical distribution of regional trails throughout the county, with some disparity in areas within some cities.

Effect on Regional Trails Needs Report

The result of this analysis did not indicate the need for changes to the Regional Trail Needs Report. It was found that the minor level of disparity in access to the regional trails can be best addressed by focusing on completing the Regional Trail System and distributing its benefits through linkages with local and community trails to provide increased access to the system. The County will work as a facilitator and/or partner among the multiple jurisdictions that need better access to the trail system.

An example of these efforts is inclusion of funding in the 2009 Parks Capital Budget to work with cities in the southwest portion of the county to pursue a Lake to Sound Trail Corridor for improved access to the regional trail system for both transportation and recreation opportunities.

REGIONAL TRAIL SYSTEM 2007 Priority Listing
File: Trails Priority Summary 8_1_07R\$
No Changes Proposed in 2009

Listing Number	Revised RTNR Identification Number	Regional Trails Project Title	Comment	UGA Relationship	Prelim. Cost Est. (2006 - \$M)	Prelim. Cost Est. (2007 - \$M)
Trails for which construction is funded and underway or will be shortly:						
1.	SC-1	Soos Creek Trail Phase 4	Construction underway	Outside UGA	N/A	N/A
2.	IP-1	Issaquah Preston Trail - Issaquah to Sunset Interchange	Construction underway by Issaquah	Inside UGA	N/A	N/A
Trails for which design is funded and/or underway and construction would be undertaken relatively soon:						
3.	FH-2	Foothills (Enumclaw Plateau) Trail - White River Bridge	Planning/Design 2007	Connects UGAs	\$4.0	\$4.24
4.	FH-1	Foothills (Enumclaw Plateau) Trail - South	Planning/Design 2007	Connects UGAs	\$1.2	\$1.27
5.	BG-1	Burke Gilman Trail Redevelopment	Project underway - Permitting 2007	Inside UGA, connects urban centers (UW, Redmond)	\$5.4	\$5.72
6.	BG-2	Burke Gilman Trail Relocation/Landscaping	Concurrent w/Widening of SR522 - 2007-2009	Inside UGA, connects urban centers (UW, Redmond)	\$1.0	\$1.06
7.	PS-1	Preston Snoqualmie Trail Extension	Design/Permitting 2007-2008 - On Hold	Part inside UGA, connects UGAs	\$9.0	\$9.54
8.	ELS-2	East Lake Sammamish Trail - Master Plan Trail	Master Plan FEIS, Design starts 2007	Inside UGA	\$35.0	\$37.10
9.	SR-2	Sammamish River Trail Extension	Connects SRT to ELST via Marymoor Park Design underway	Inside UGA	\$1.0	\$1.06
10.	GR-1	Green River Trail Phase 2	Permitting 2007	Inside UGA	\$0.7	\$0.74
11.	GR-2	Green River Bridge	Permitting 2007	Inside UGA	\$2.5	\$2.65
12.	GR-2.2	Green River 2.2 (259th St SE)	Important missing link - road relocation necessary. Prelim design strategy completed	Inside UGA	\$2.0	\$2.12
13.	GR-3	Green River Trail Phase 3	Planning/Design underway	Part inside UGA, Connects UGAs	\$3.0	\$3.18
14.	SC-2	Soos Creek Trail Phase 5 (192nd - Petro)	Planning/design 2007	Inside UGA	\$1.3	\$1.38
15.	SC-3	Soos Creek Trail Phase 6 (Petro - CRT)	Planning/design 2007	Inside UGA	\$3.5	\$3.71
High priority trails projects:						
16.	SNO-2	Snoqualmie Valley Trail (Snoqualmie Gap)	WeyCo willing but trail must integrate with their master planning for site	Inside UGA	\$2.4	\$2.54
17.	EP-1	Laughing Jacobs Creek Trail Segment	Important missing link held up by property acquisition issues	Inside UGA	\$1.0	\$1.06
18.	ELS-1	East Lake Sammamish Trail - North	Interim connection to Redmond needs to be completed ASAP	Inside UGA	\$1.0	\$1.06
19.	CS-1	Cedar-Sammamish Trail	Important urban link between two trails - acquisition challenges	Part inside UGA, Connects UGAs	\$6.1	\$6.47
20.	TWO-1	Two Rivers Trail	Important urban link between two trails - may require ROW for some segments	Inside UGA, connects urban centers (Tukwila, Renton)	\$2.7	\$2.86
21.	GC-1	Green-to-Cedar Rivers Trail	Develop paved and soft-surface trail from Kent-Kangley Road south to Flaming Geyser State Park	Part inside UGA	\$5.7	\$6.04
22.	PS-2	Snoqualmie River Bridge	Very important missing link in Mountains to Sound Greenway - work with WSDOT	Inside UGA	\$1.5	\$1.59

23	LK-1	Landsburg-Kanaskat Trail	Continues Cedar R. Trail corridor east to Kanaskat with new name - acquisitions underway	Outside UGA	\$9.1	\$9.65
24	EP-2	East Plateau Trail - Klahanie to Soaring Eagle Park	Development of paved trail via Duthie Hill and Trossachs. Portions to be completed by developer	Part in UGA	\$3.3	\$3.50
25	I-1	Interurban Trail Extension	Completes missing connection to Pierce Co. - route specifics need identification	Inside UGA	\$0.8	\$0.85
26	PP-1	Puget Power Trail - East Segment	Links Redmond to Redmond Ridge	Connects UGAs	\$2.2	\$2.33
27	IP-3	Issaquah-Preston Trail - High Point to Preston (WSDOT Lead?)	Continues Mountains to Sound east - work with WSDOT	Connects UGAs	\$2.2	\$2.33
28	IP-2	Issaquah-Preston Trail - Sunset Interchange to High Point (WSDOT lead?)	Completes Mountains to Sound - Sound to Cascades Route - work with WSDOT	Connects UGAs	\$2.2	\$2.33
29	GC-2	Green-to-Cedar Rivers Trail - Paving Lake Wilderness Segment	Paving of exiting soft-surface trail to include paved and soft-surface components	Inside UGA	\$5.7	\$6.04
Priority trails projects:						
30	TP-1	Tolt Pipeline Trail - Norway Hill	Provides missing link to start Tolt Pipeline Trail - steep terrain	Inside UGA	\$1.1	\$1.17
31	FH-4	Foothills (Enumclaw Plateau) Trail - Central	Continues corridor north from Enumclaw - Enumclaw to Nolte St. Park	Outside UGA	\$5.2	\$5.51
32	LYCR-1	Lake Youngs to Cedar River Trail (Soft-Surface)	Equestrian link from Lake Youngs Trail to Cedar R. Trail	Outside UGA	\$4.2	\$4.45
33	GR-6	Green River Trail - North	Important but difficult urban link from Green R. Trail to Seattle	Inside UGA	\$1.9	\$2.01
34	FH-5	Foothills (Enumclaw Plateau) Trail - North	Completes Cedar River and Foothill Trail corridor (Renton to Rainier) - Nolte St. Park to Kanaskat	Outside UGA	\$4.7	\$4.98
35	GR-4	Green River Trail Phase 4	Continue Green R. Trail through Auburn. May require river crossing not included in budget estimate	Outside UGA	\$5.2	\$5.51
36	SC-6	Soos Creek Trail to Lake Youngs Trail	Short on-road and off-road link between two trails	Outside UGA	\$0.3	\$0.32
37	GR-5	Green River Trail Phase 5 (Upper)	Continue Green River Trail east to link with Green-to-Cedar Trail and Flaming Geyser State Park	Outside UGA	\$8.9	\$9.43
38	SR18-1	SR 18 Trail	Developed with WSDOT - cross links trail system from Auburn to Snoqualmie Interurban Trail to I-90	Part inside UGA, connects UGAs	\$27.4	\$29.04
39	TR-1	Tolt River Trail	Trail along the Told River east of Camanion to Moss Lake	Outside UGA	\$1.1	\$1.17
40	SR-1	W Sammamish River Trail (Soft-Surface)	Equestrian trail on west side of Sammamish R. parallel with existing paved trail	Part inside UGA, connects UGAs	\$8.4	\$8.90
Trails projects of lesser priority:						
41	SC-4	Soos Creek Trail Phase 7 (To SR18)	Continues trail south to SR-18	Inside UGA	\$0.9	\$0.95

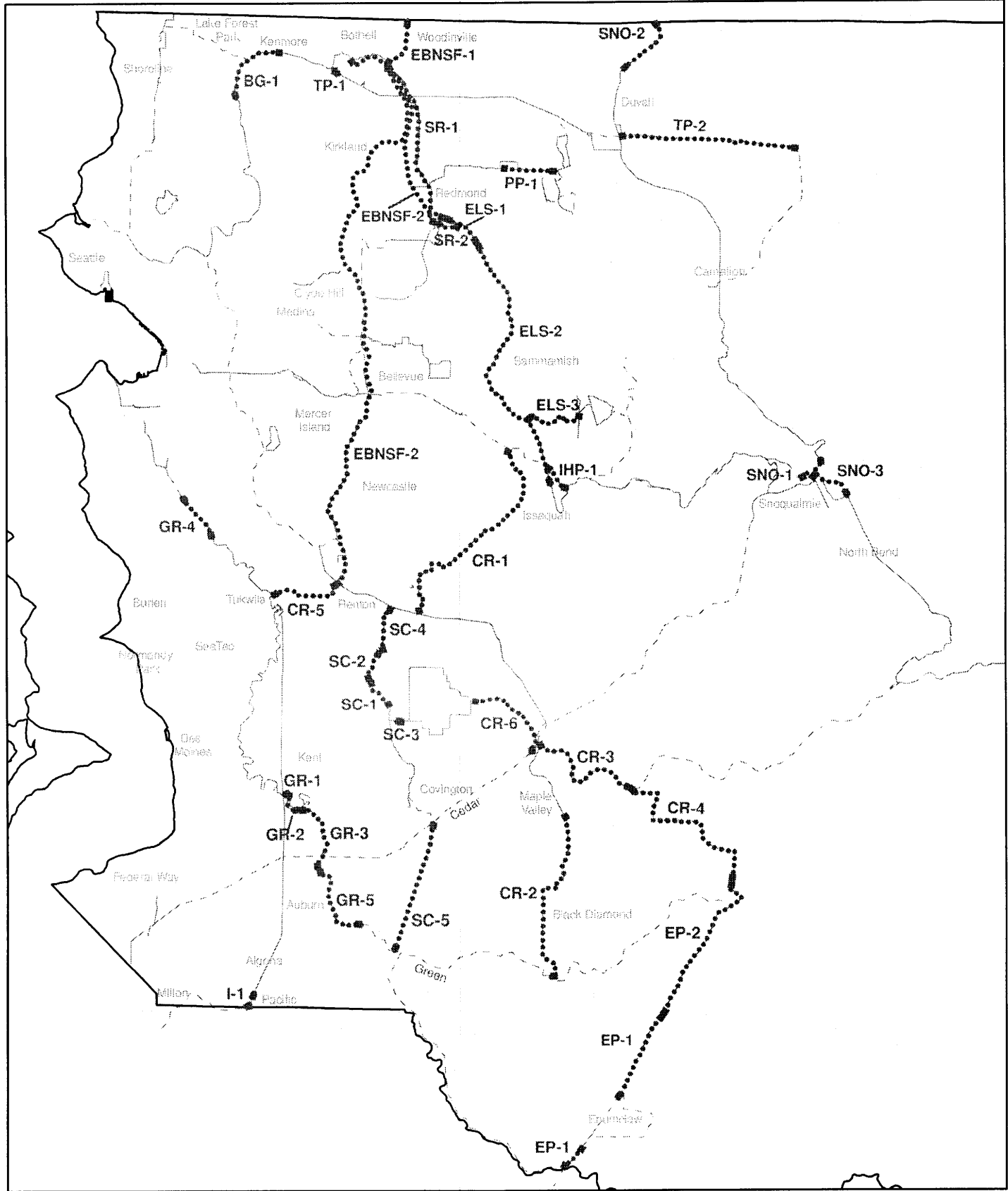
42	SC-5	Soos Creek Trail Phase 8 (SR18-GRT)	Continues trail south from SR-18 to Green River Trail	Outside UGA	\$6.0	\$5.30
43	CR-1	Cedar River Trail Paving (Phase 2)	Paves existing Cedar River Trail from Maple Valley to Landsburg	Outside UGA	\$6.6	\$5.83
44	FH-3	Foothills (Enumclaw Plateau) Trail - Enumclaw Boundary (Soft Surface)	Equestrian trail around perimeter of Enumclaw	Outside UGA	\$4.7	\$4.98
45	SNO-1	Snoqualmie Trail Phase 4 (North Extension)	Extends Snoq. Valley Trail from Duvall to Sno Co	Outside UGA	\$3.5	\$3.71
46	TP-2	Tolt Pipeline Trail - Trail Paving	Paves existing Tolt Pipeline Trail	Part in UGA, connects UGAs	\$11.4	\$12.08
47	EP-3	East Plateau Trails - Issaquah Highlands to Duthie Hill Park	Link Sammamish Plateau with Mountains to Sound - trail is already back country type	Inside UGA	\$3.0	\$3.18
48	SNO-3	Snoqualmie Valley Trail Paving - SnoCo boundary to Rattlesnake Lake	Paving of existing soft-surface trail with soft-surface components	Part in UGA	\$34.5	\$36.57
50	CR-2	Cedar River Trail - Landsburg to Cedar Falls	Development of paved and soft-surface trail linking Cedar River and Snoqualmie Valley Trails	Outside UGA	\$12.9	\$13.67
51	TP-3	Tolt Pipeline Trail Bridge - Snoqualmie River	Regional trail crossing of the Snoqualmie River	Outside UGA	\$3.0	\$3.18
Eastside BNSF Trails - not prioritized:						
52	EBNSF-2	Eastside BNSF Trail - South	Planning and development within Executive's Office	Inside UGA	N/A	N/A
53	EBNSF-1	Eastside BNSF Trail - North	Planning and development within Executive's Office	Inside UGA	N/A	N/A

\$69.6 \$73.78
\$45.9 \$46.11
\$68.4 \$72.50
\$84.4 \$89.46

Total All Projects \$288.3 \$281.85

Table Notes






1. Initial prioritization made using five basic criteria - connectivity, aesthetic/scenic value, timing/relationship with other projects, public support, and urban/rural centers connections.
2. Second level prioritization - recognizes projects already underway (construction or design/permitting) and prioritizes to ensure continuity of development
3. Third level prioritization recognizes continuity of corridor development
4. Priorities have been grouped as categories and do not necessarily correspond to listing number.
5. Eastside BNSF Trails appear in this listing but have not been prioritized.
6. GR-2.2 added to address missing link along 259th Street SE in Kent.
7. 2007 budget estimates based on fixed 6 percent inflation rate.




Regional Trails Needs Project

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-  CIP Trail Projects
-  Trails
-  Proposed Trails
-  Incorporated Area
-  King County Park System



King County
 Department of
 Natural Resources and Parks
 Parks and Recreation Division
 December 28, 2005

