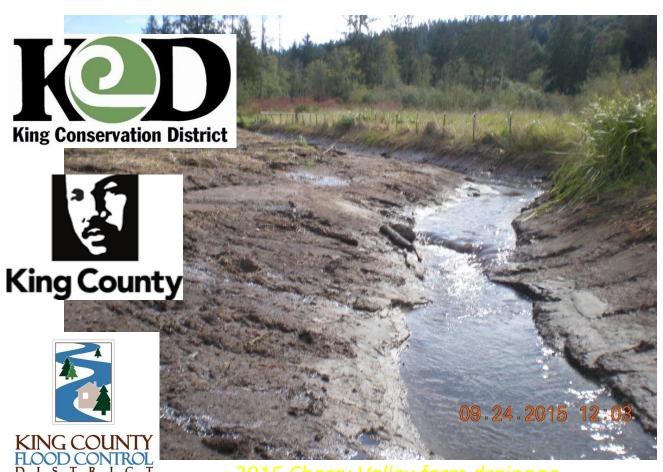
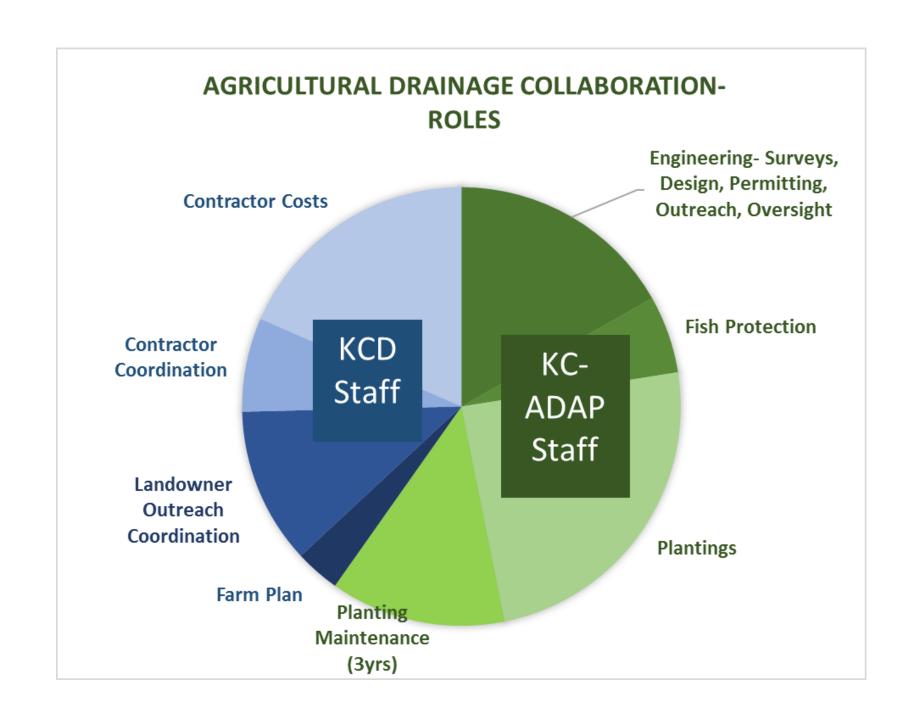
Agricultural Drainage Needs Assessment June 15, 2016

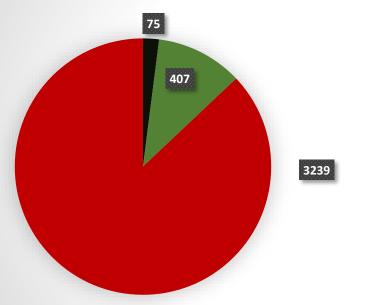


2015 Cherry Valley farm drainage maintenance. Post – construction, pre-planting.





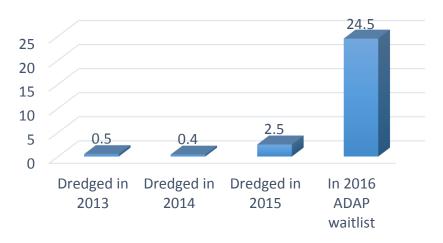
Acres Impacted



- 2015 acres put into production which were not in production already
- 2015 acres already in production where potential production is improved
- Acres currently in waiting list for help

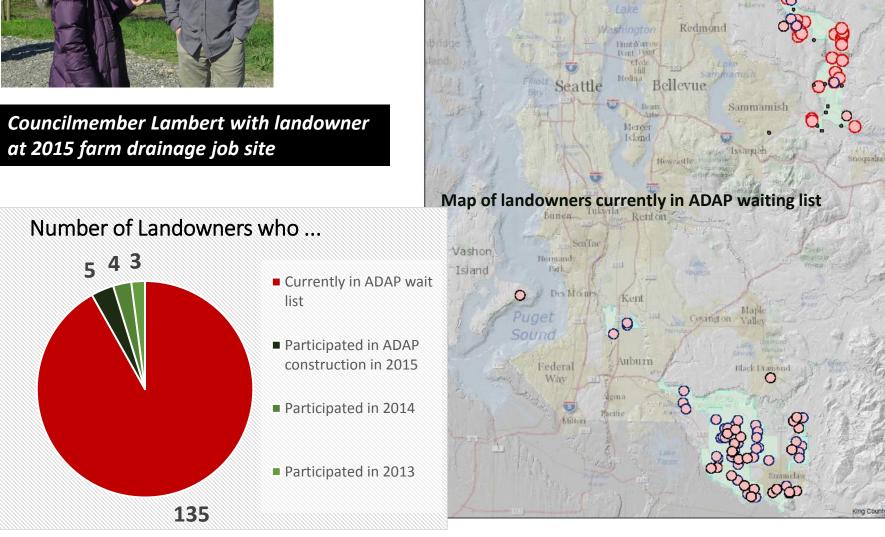


Miles of Agricultural Drainage



Steel plates and pumps are used to dewater a job site before dredging.





Bothell

Kirkland

Kenmore

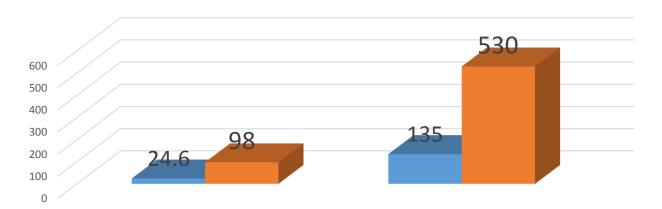
Waodinville

00

Shoreline Park



Estimate total need



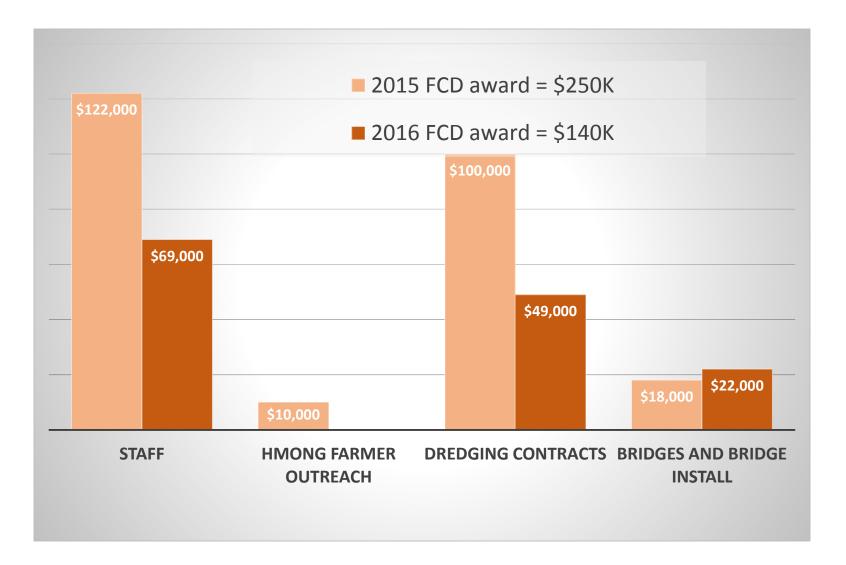
Miles of poorly Landowners functioning farm requesting ADAP drainage services

- reported survey responses
- additional estimated need*

*To estimate total need, 2015 survey response rate was applied to all agricultural properties in King County.

Figures as reported by landowners.

King Conservation District Farm Drainage program budget



Total King County farm drainage maintenance costs

We incur additional costs to ensure ecologically sound management of farm drainage in King County:

- Fish relocation
- Mitigation plantings on banks
- Multi-landowner projects need construction project management
- Need to allocate additional funds to use best available science to map and plan work in a sub-basin in five year cycles. Plan collaboratively with all other drainage related and restoration work in the sub-basin.

Costs per linear foot	
King County ADAP	
Technical Assistance	\$7.27
De-Fishing	\$2.48
Planting	\$10.55
Maintenance (3yr)	\$5.61
KC-ADAP total costs	\$25.91
KCD Drainage Assistance	
Farm Plan	\$1.43
Landowner Coordinat'n	\$5
Project Management	\$3
Construction Cost	\$8
KCD total costs	\$17.43
total 2015 project cost per	
total 2015 project cost, per linear foot	\$43.34

Total cost to maintain all of estimated need:

- 98 miles of waterway estimated to be negatively impacted
- 517,440 linear feet x \$43.34 per liner foot; includes King Conservation District and ADAP costs = \$22,425,850

