

Snohomish County
Flood Study Review Meeting
Review of Changes to Maps

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Surface Water Management
October 19, 2010

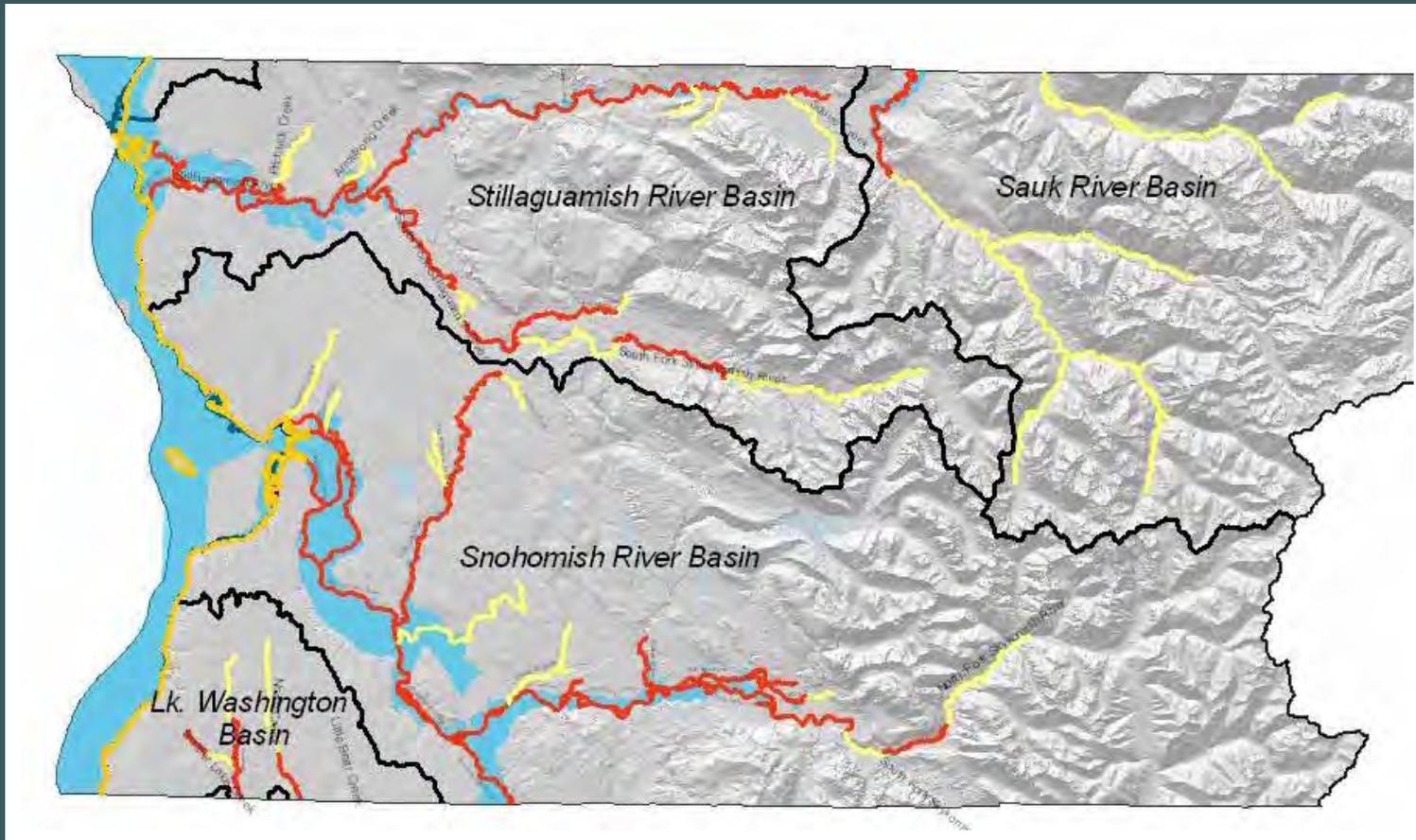
Agenda

- Snohomish County Flood Map History
- New & revised flood studies
- Countywide DFIRM Project

Snohomish County Flood Map History

- 1984 County enters National Flood Insurance Program & adopts Flood Insurance Rate Maps (FIRM)
- 1999 FIRMs converted to countywide format
- 2005 Snohomish River Restudy adopted; Snoqualmie / Lower Skykomish Restudy completed
- 2006 Preliminary DFIRM issued by FEMA
- 2010 Upper Skykomish River Restudy completed; Revised Preliminary DFIRM released

Effective FIS Reaches



Changes to 2010 Preliminary DFIRM

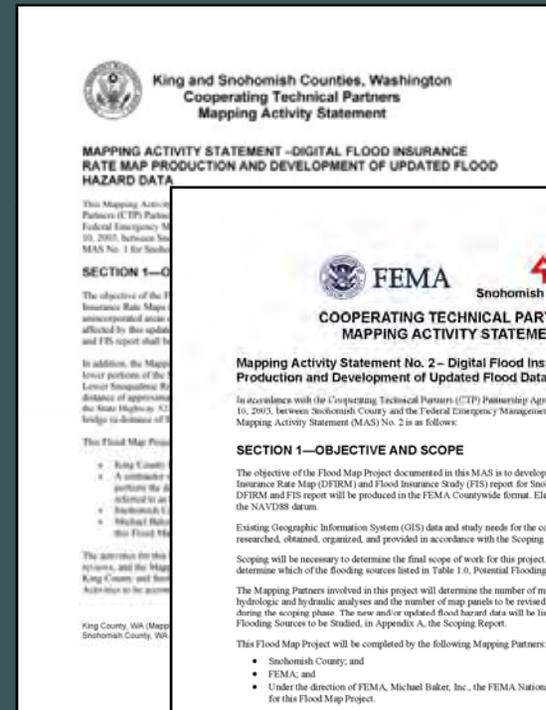
- Data available in digital format
- Orthophoto basemap for printed panels
- New vertical datum NAVD 1988
 - Change in elevation for conversion from NGVD 29 to NAVD 88 range from 3.6 to 3.9 feet.
 - Table 12 in FIS lists change by flooding source.

Changes to 2010 Preliminary DFIRM

- Most detailed study areas (Zone AE) re-delineated using new topographic data.
- New studies for Skykomish (incl N & S forks), Snoqualmie, and Sultan Rivers
- Portion of Snohomish River revised.
- Lk Roesiger & Lk Stevens re-delineated.
- LOMR for Pilchuck River to be incorporated.

New & revised flood studies

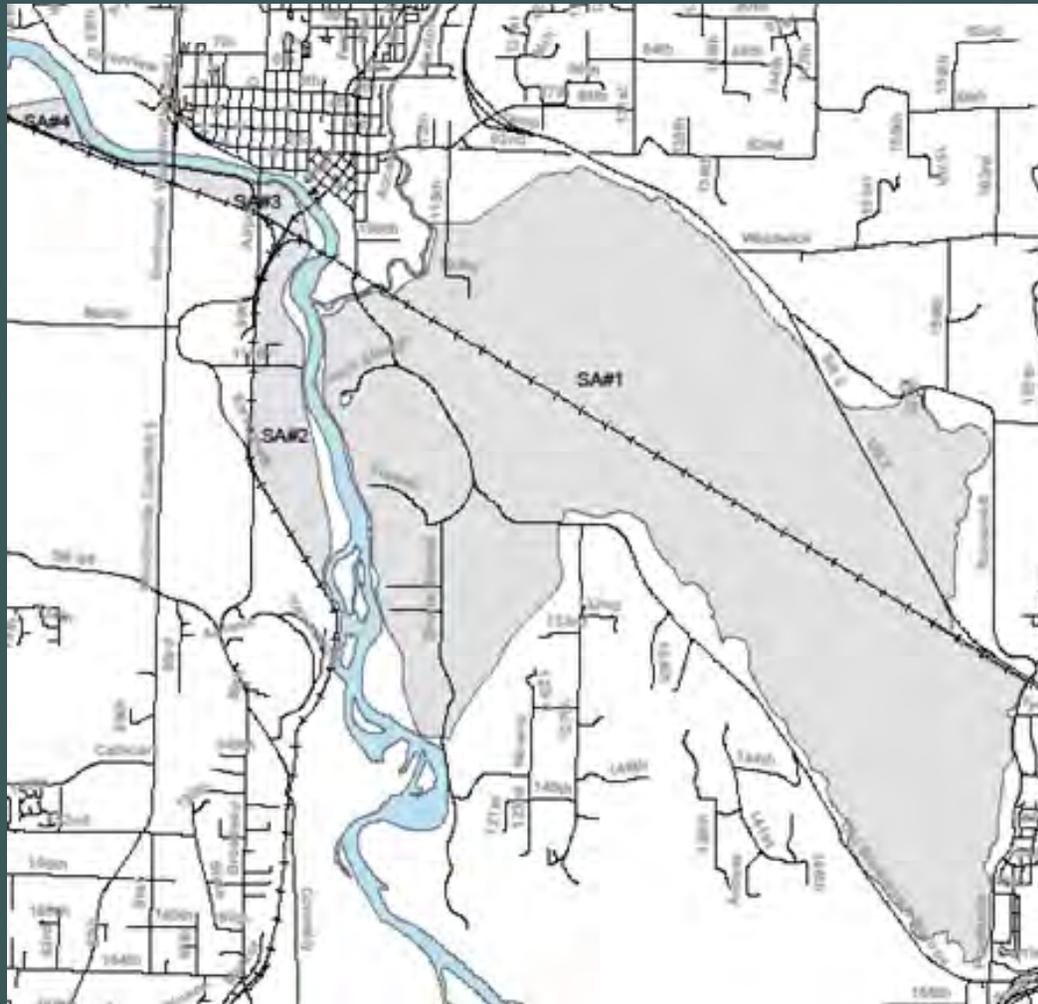
- Snohomish River (French Slough modification)
- Lower Skykomish / Snoqualmie Rivers
- Upper Skykomish River



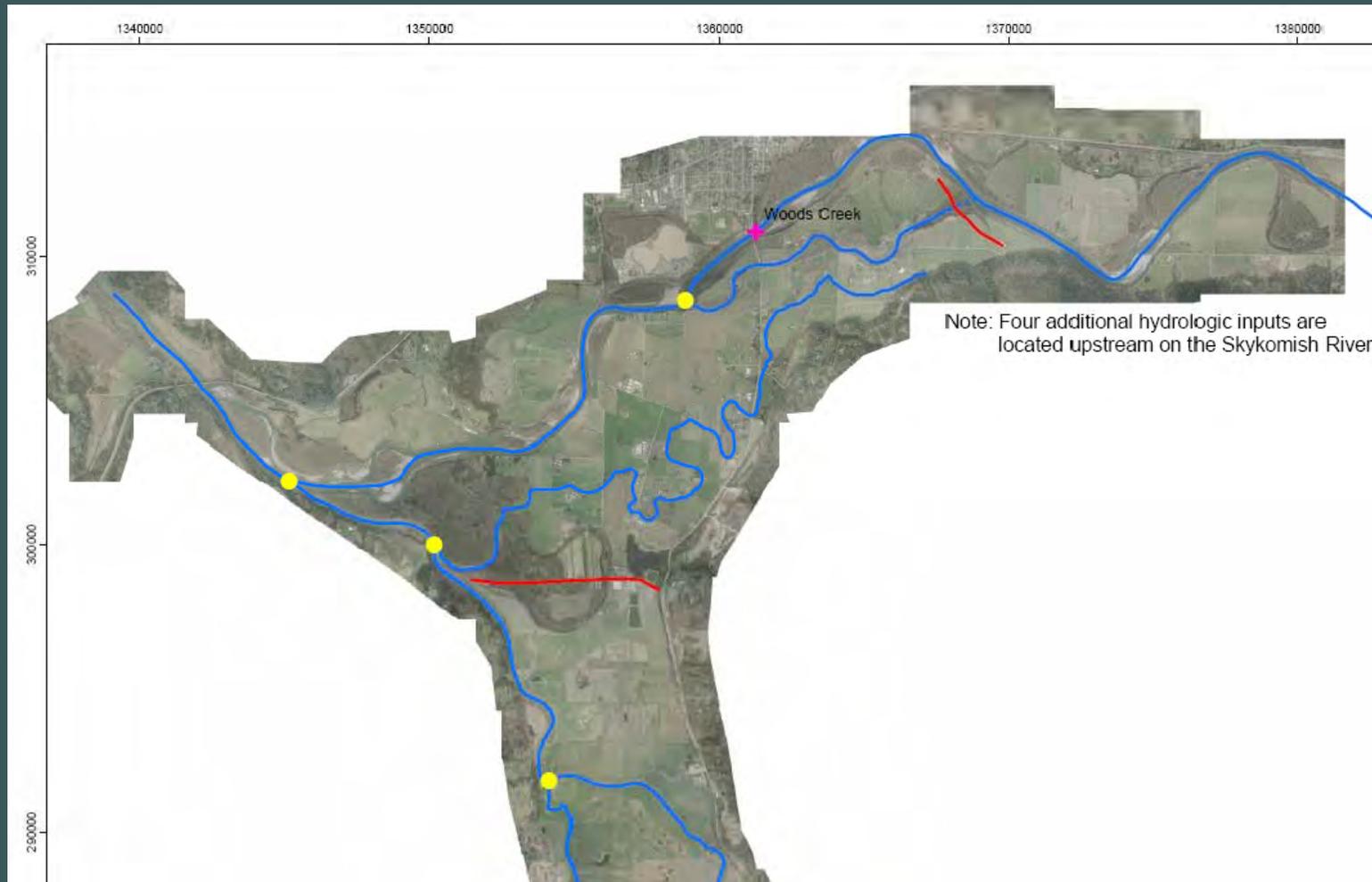
Snohomish River Restudy

- 1999 Study Funded by Ecology FCAAP grant
- 2001 West Consultants completed study
- 2003 FEMA issued Preliminary FIS
- Early 2005 ESA lawsuit filed by NWF & PEERS
- March 2005 FIS adopted
- 2006 Review of model requested by French Slough Flood Control District revealed 4200' levee segment omitted
- 2007 Revised model completed by West Consultants used for re-delineation of floodplain boundaries

Snohomish River Restudy



Lower Sky / Snoqualmie Study Area



Snoqualmie Study Profiles

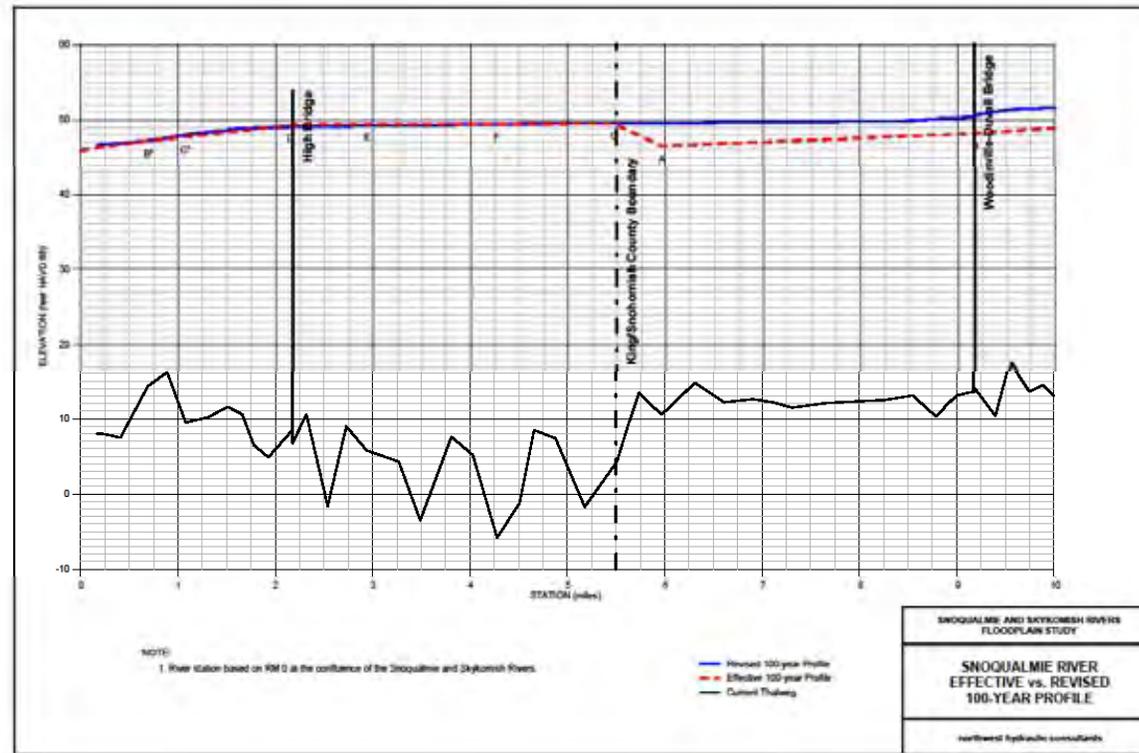


FIGURE 1

Lower Skykomish Study Profiles

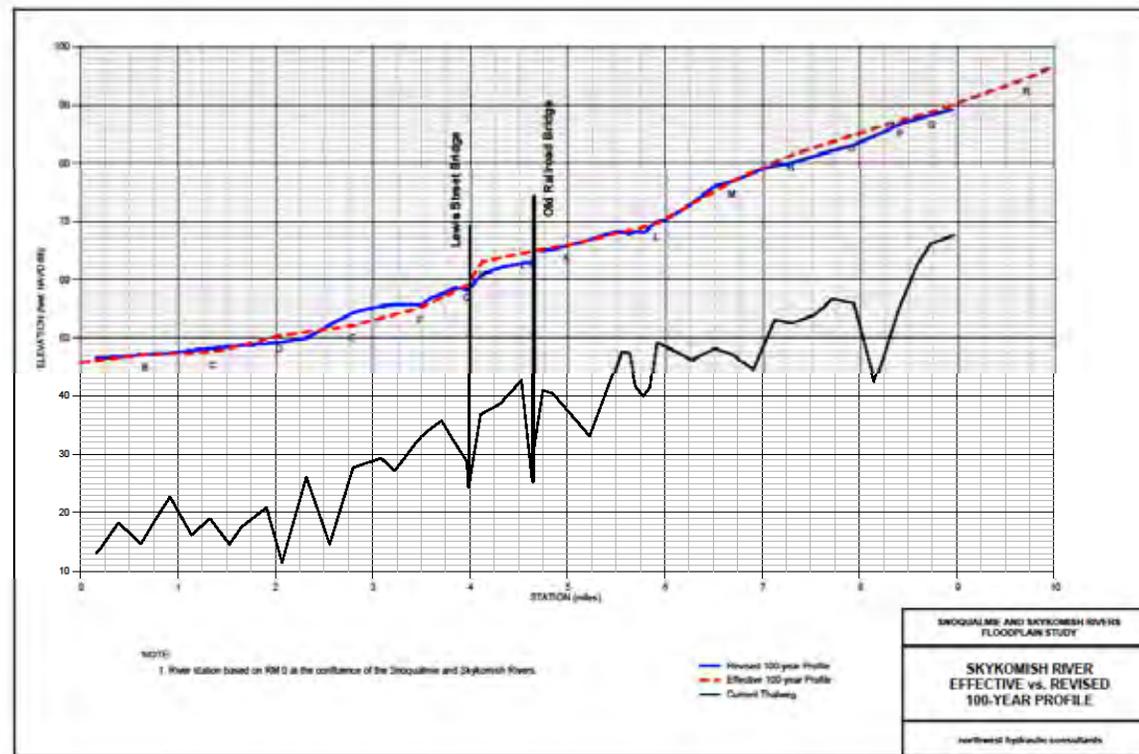
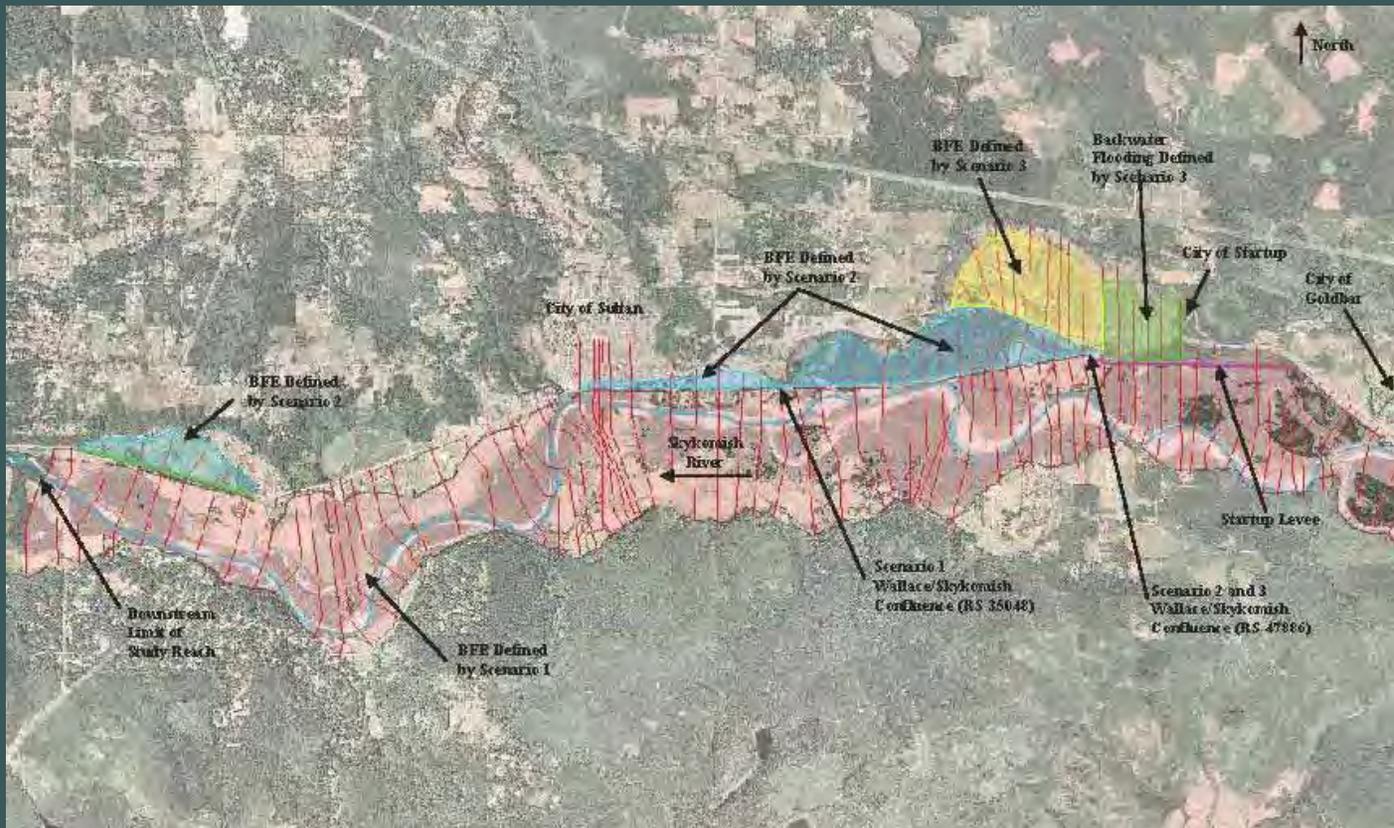


FIGURE 5

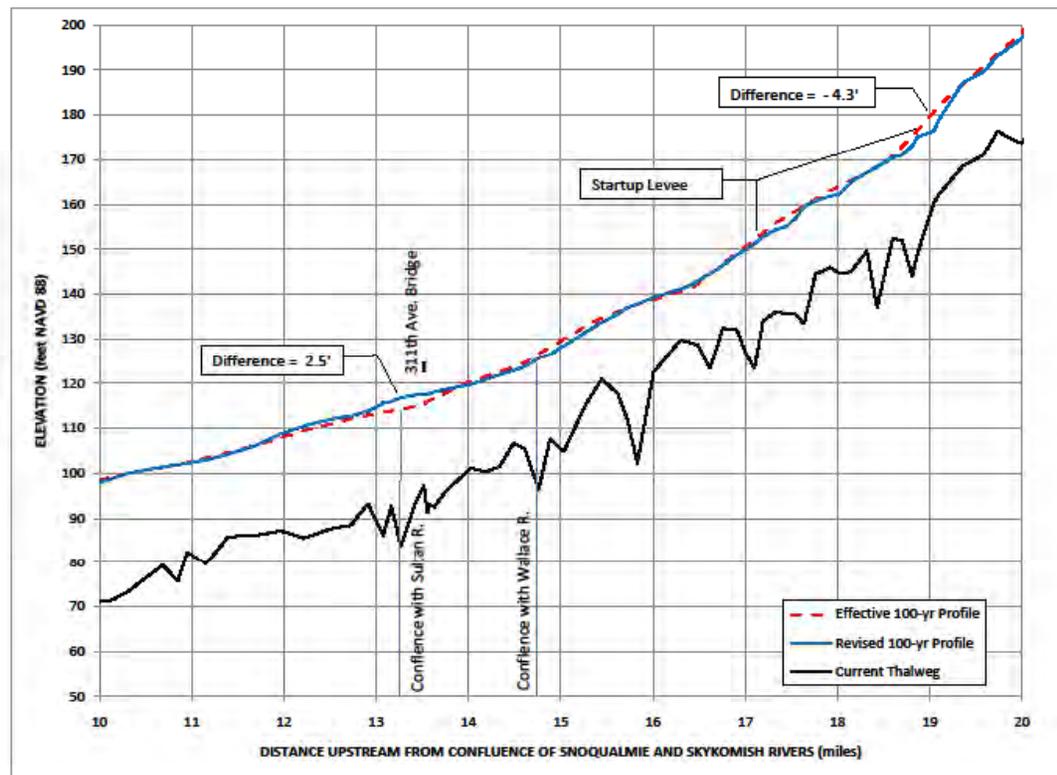
Upper Skykomish Study Area



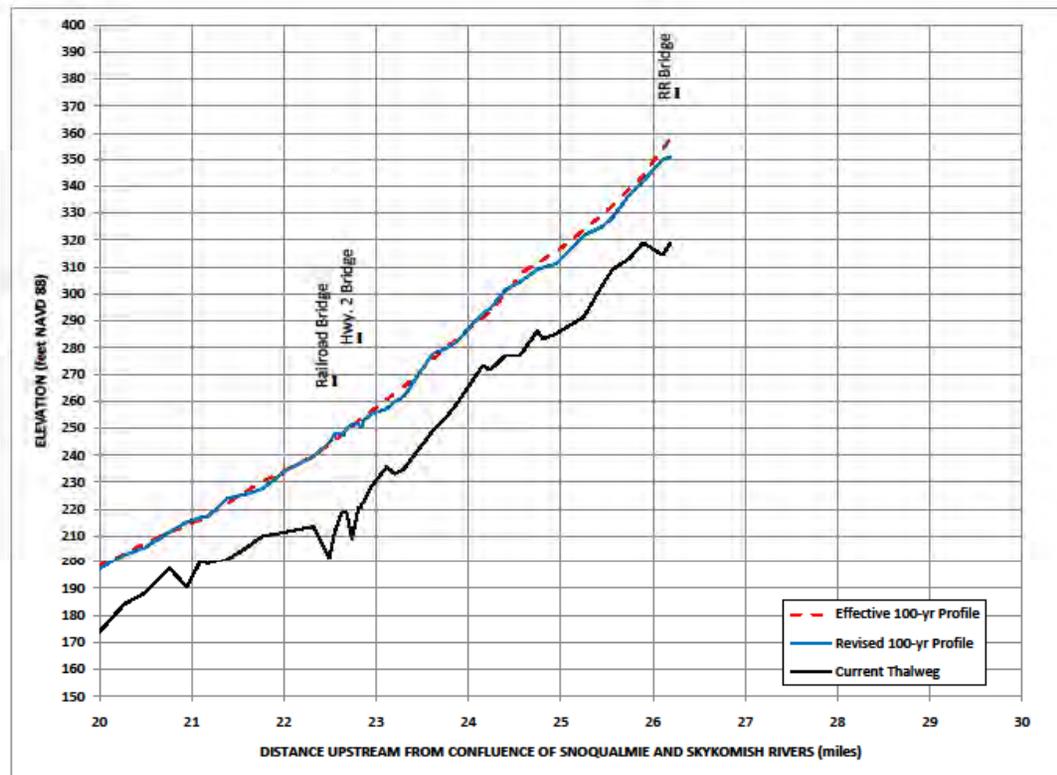
Upper Skykomish Levee Scenarios



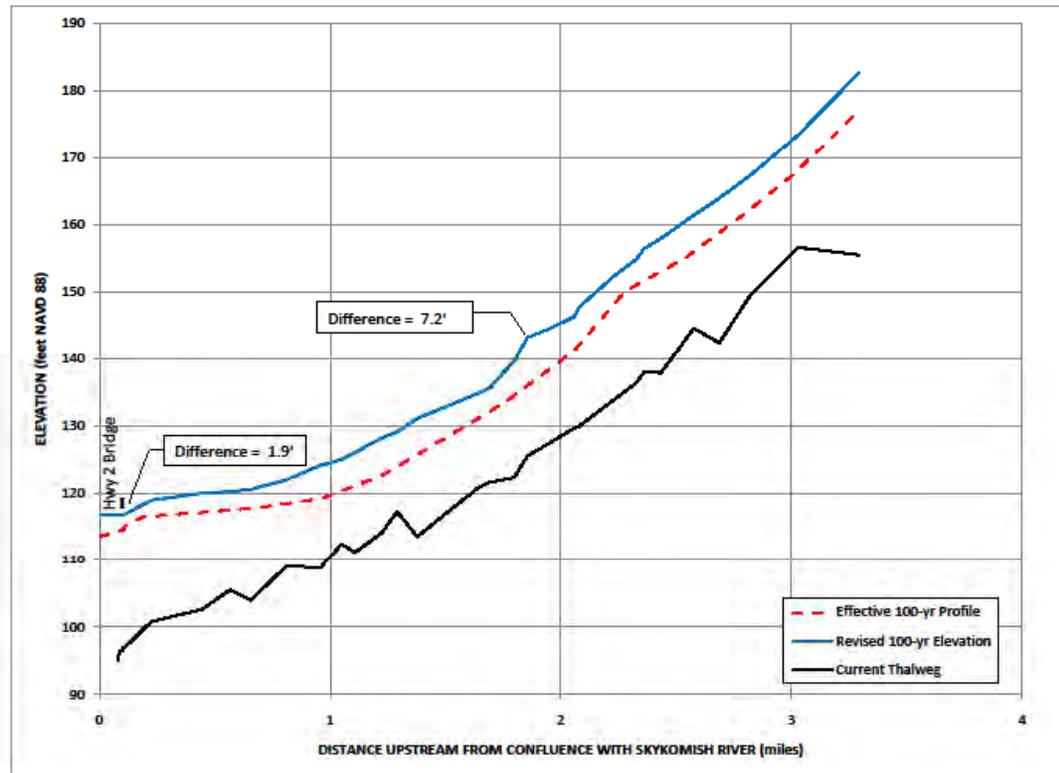
Upper Skykomish Profiles



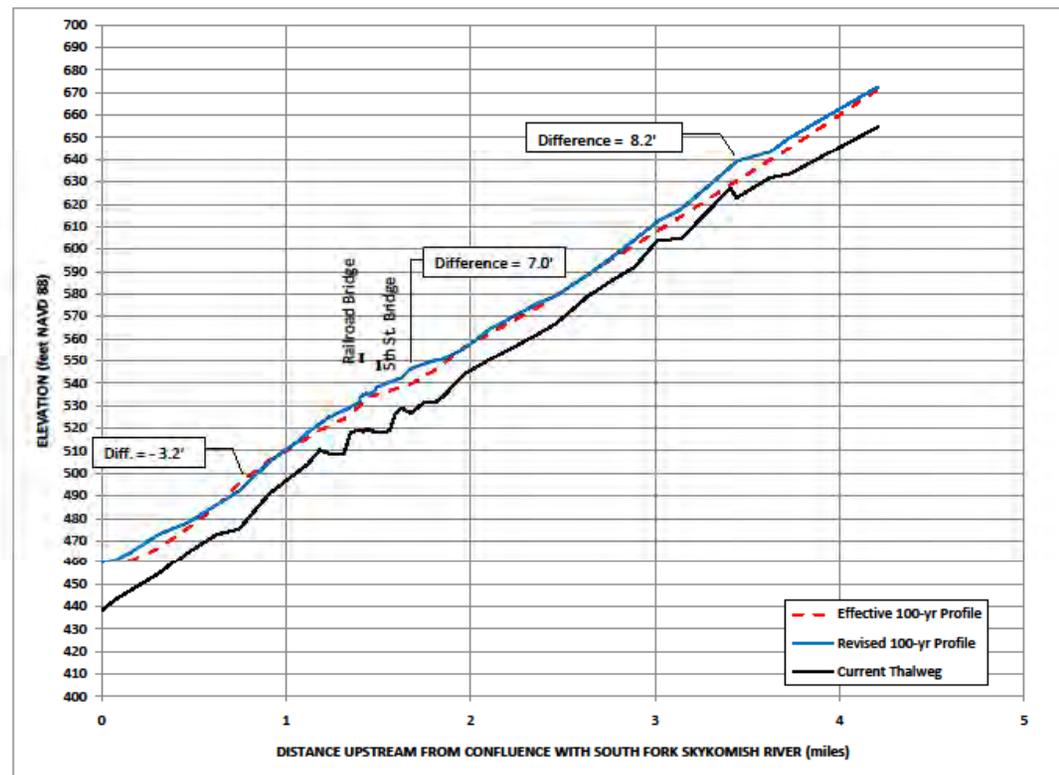
Upper Skykomish Profiles



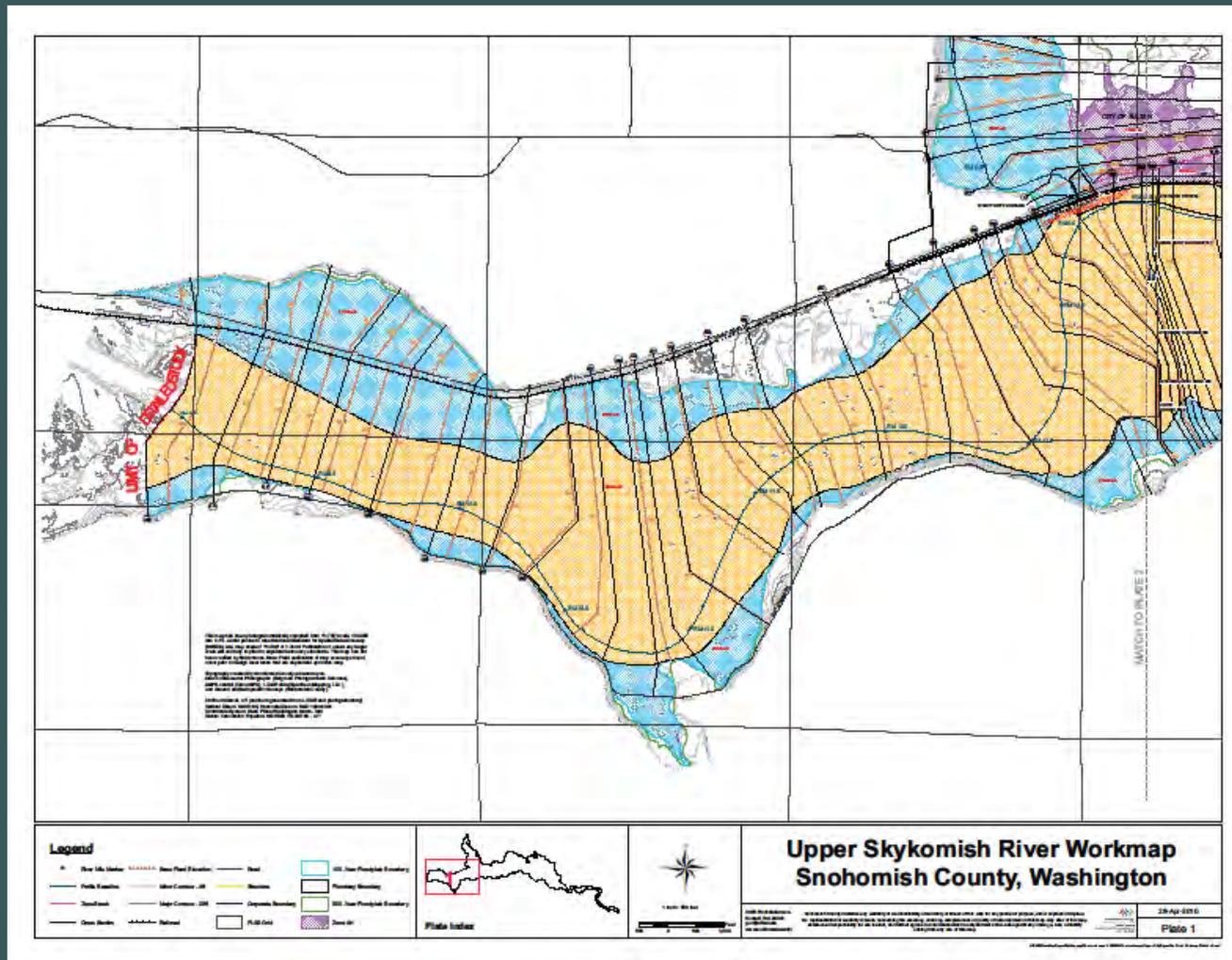
Sultan River Profiles



North Fork Skykomish Profiles



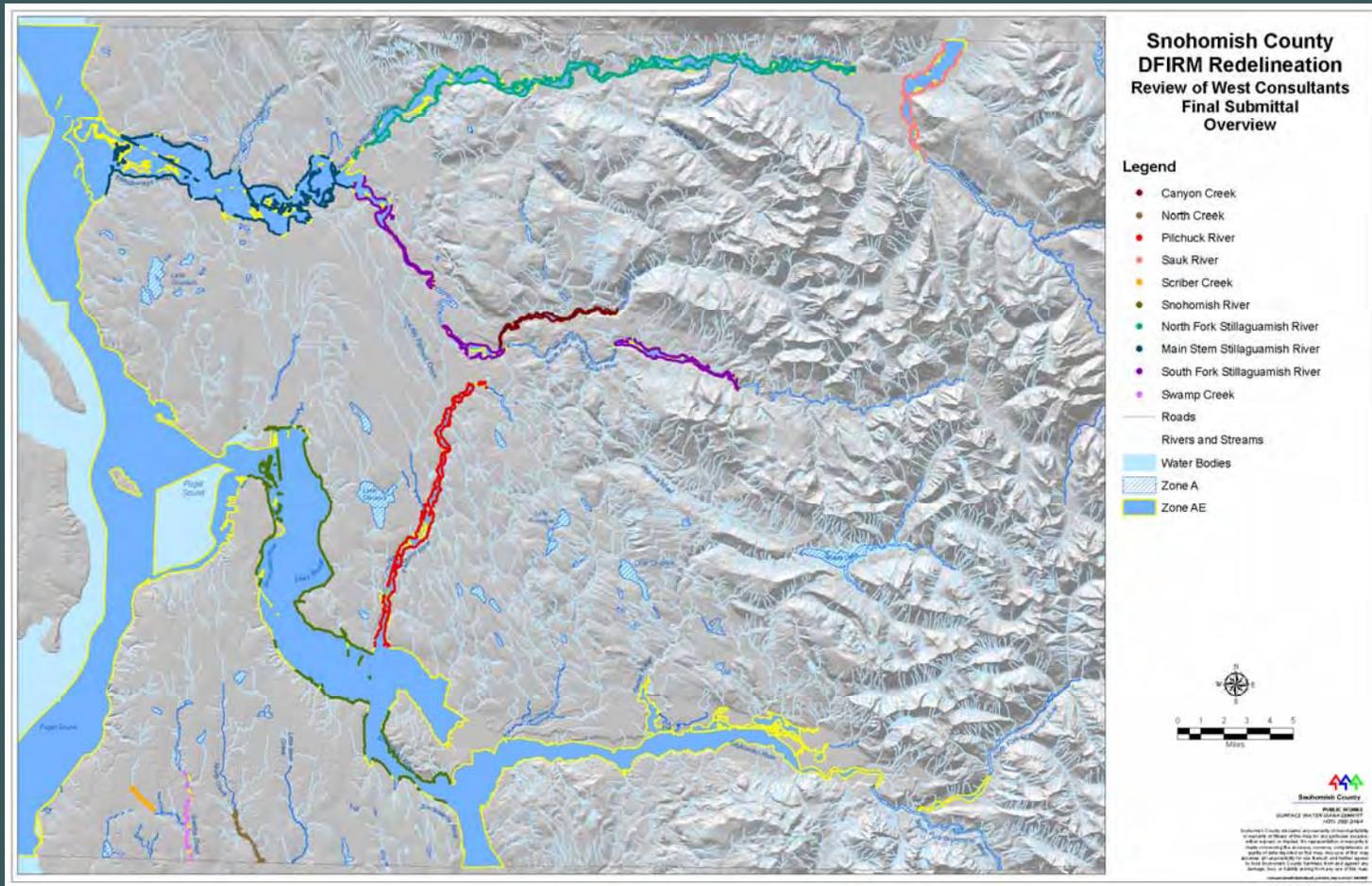
Upper Skykomish Study Work Maps



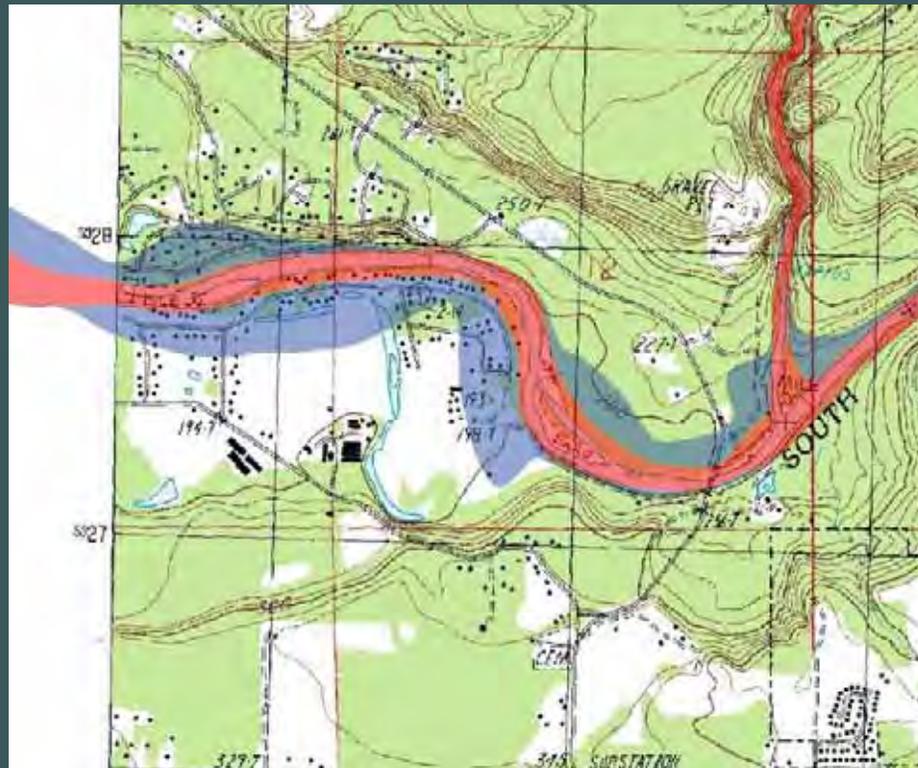
Upper Skykomish DFIRMs



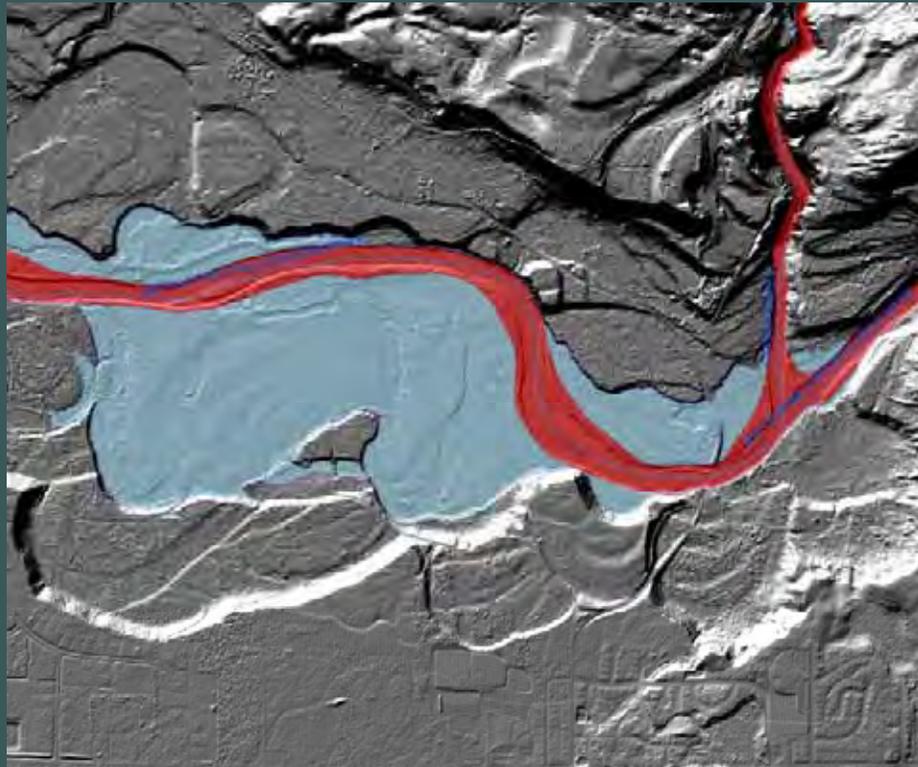
DFIRM Re-delineation



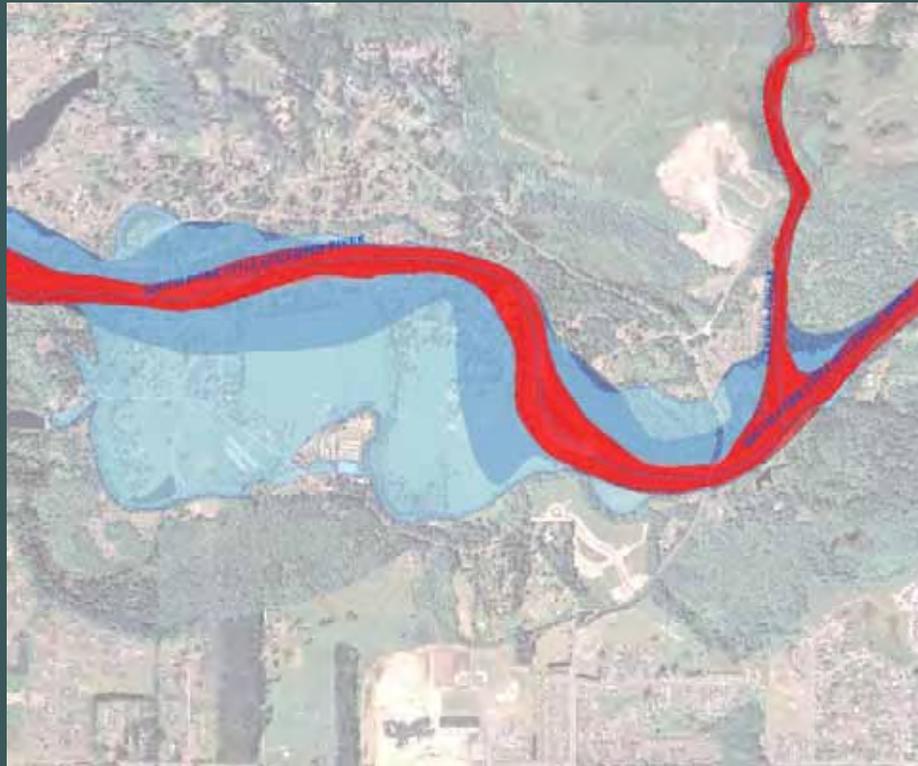
DFIRM Re-delineation Example



DFIRM Re-delineation Example



DFIRM Re-delineation Example



Outreach

- County notifying all affected households by mail
- Meetings planned to provide opportunity for public learn about the changes
 - Wednesday, Nov. 3 in Arlington
 - Tuesday, Nov. 9 in Monroe
- Web: www.surfacewater.info and click link in green box: [Updated Flood Maps Ready for Review](http://www.surfacewater.info)



Questions?

Thanks!