



Mount Si High School in Snoqualmie, Jan. 2009

UPPER SNOQUALMIE RIVER

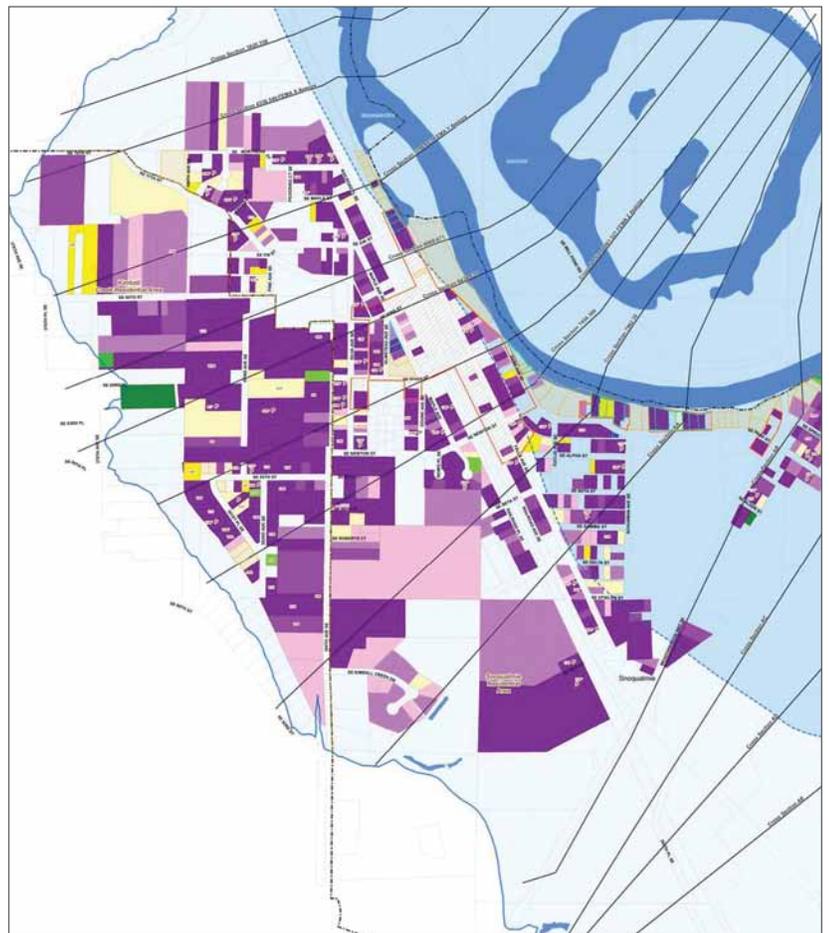
King County Flood Hazard Management Plan Update

King County's river and floodplain management vision and strategy:

- Reduce flood risks in and around the City of Snoqualmie.
- Reduce erosion risks along Southeast Reinig Road.
- Manage the floodplain cost-effectively.
- Protect and restore aquatic and riparian habitat.
- Implement coordinated projects at the broader "reach" scale, rather than working on stand-alone projects one at a time.
- Implement a combination of structural and non-structural solutions.
- Collaborate and partner with property owners and the City of Snoqualmie.

Existing conditions of the Upper Snoqualmie Mainstem:

- The floodplain is broad and deep.
- During a 1 percent annual chance flood event, more than 300 homes and businesses are inundated.
- Infrastructure is also at risk.
- This area is the source of the highest number of flood damage claims in the state.
- About 2.6 miles of the riverbank are armored, with a total of 19 levees or revetments (6 on Kimball Creek and 13 on the upper Snoqualmie).



Example of Upper Snoqualmie inundation map

King County Flood Plan accomplishments 2006-2012:

- Repaired two facilities, including emergency repairs during flood events.
- Elevated 39 homes — 23 through the City of Snoqualmie's program and 17 by King County — using Federal Emergency Management Agency grant funds.
- Contributed 12.5 percent matching funds for an additional 39 of the City of Snoqualmie's home elevations.
- Acquired three at-risk properties, including Riverside Mobile Home Park; all structures have been demolished.
- Assessed the mitigations needed for residences in the Upper Snoqualmie Valley.
- Developed a strategy to prioritize home elevations and acquisitions.

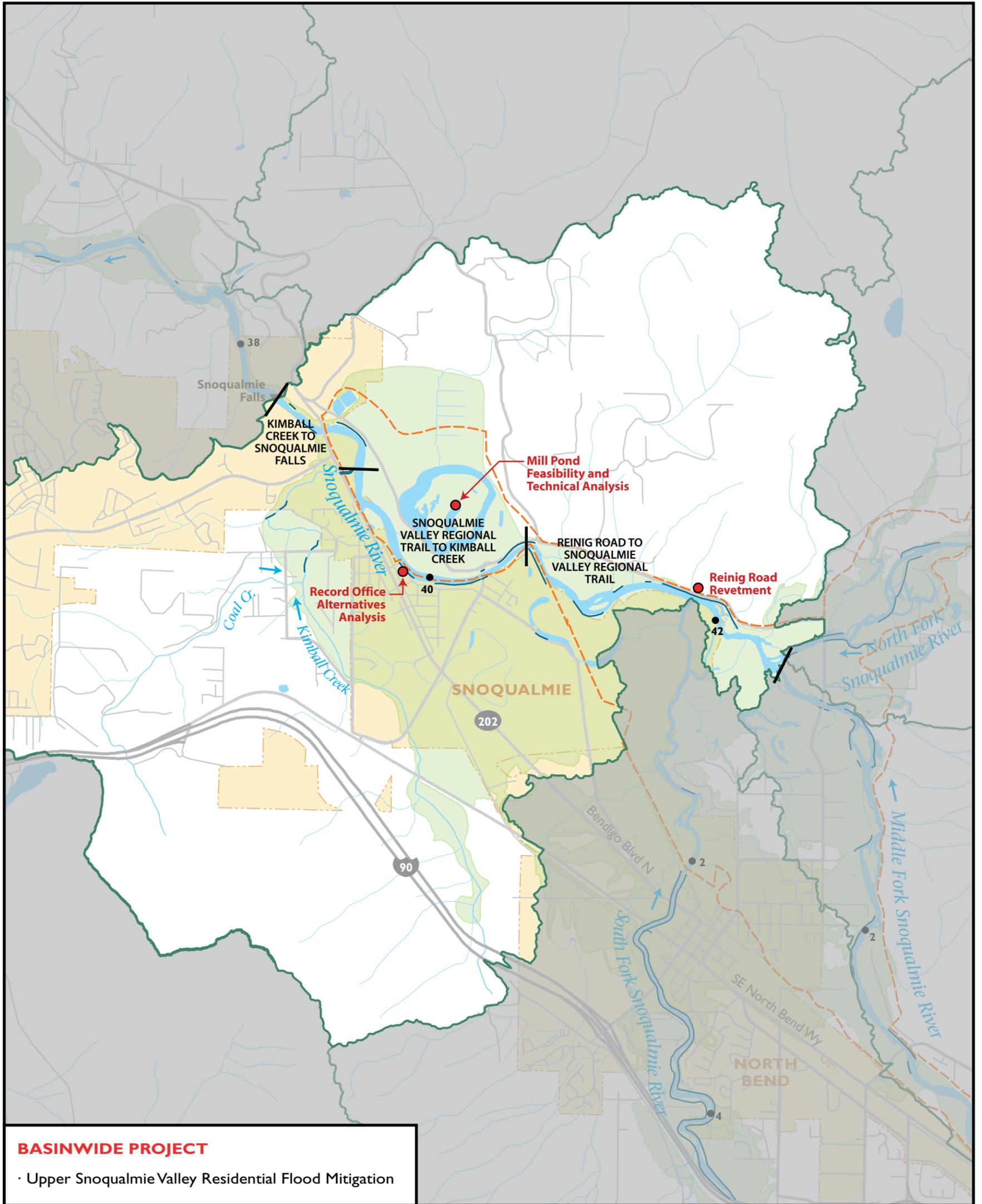
Proposed river and floodplain management actions for 2013-2018:

- Prioritize and implement residential home relocation and acquisitions and elevations basin-wide.
- Analyze the alternatives available for addressing erosion and facility deficiencies along the Reining Road Revetment.
- Analyze alternatives to address erosion and facility deficiencies that have resulted in multiple damages to the Record Office Facility.
- Investigate the effectiveness of various flood mitigation actions in the Mill Pond area.

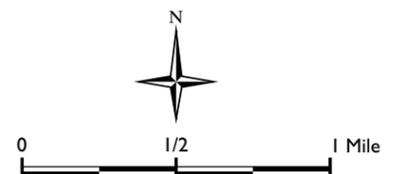
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or email WLR-rivers@kingcounty.gov.

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UPPER MAINSTEM SNOQUALMIE RIVER INCLUDING KIMBALL CREEK BASIN
 KING COUNTY FLOOD HAZARD MANAGEMENT PLAN



- Proposed Project Sites, as described in Chapter 5 (Project locations are approximate)
- NAME River Segment Boundary and Segment Name
- Rivers and Streams with FEMA Mapped 100-Year Regulatory Floodplains
- Rivers and Streams with Unmapped Regulatory Floodplains
- Flood Protection Infrastructure (Levees & Revetments)
- Outer Boundary of Channel Migration Hazard Zones (Moderate & Severe)
- 2 River Miles (Approximate)
- Watershed/Basin Boundary
- Road
- Incorporated Area



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Data sources: King County datasets
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