



Miller River flood damage to Old Cascade Highway, Jan. 2011

SOUTH FORK SKYKOMISH RIVER

King County Flood Hazard Management Plan Update

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

- Manage flood hazards in a cost-effective way, protecting natural river processes, the river's scenic designation, forested conditions, and environmental quality.
- Implement structural and non-structural solutions to address the most significant flood risks.
- Map flooding and channel migration hazards and risks to limit development in at-risk areas.
- Work with the US Forest Service to better define high-priority needs in the basin.

Existing conditions of the South Fork Skykomish basin:

- About 1.1 miles of riverbank are armored, with nine levees and revetments.
- Revetments provide limited erosion protection to specific spots, but can harm habitat.
- Frequent and costly repairs of facilities are required.
- The risks of channel movement and erosion are high.
- Several tributaries flatten and spread out in alluvial fans as they reach the mainstem river, creating dynamic channels and providing ample sediment.
- Flooding and erosion threaten homes in several neighborhoods.
- Under high flow conditions, the Miller River created a new channel in 2011, requiring closure of the Old Cascade Highway.



Homes at risk of flooding and erosion, Timber Lane Village

King County Flood Plan accomplishments 2006-2012:

- Acquired 1.14 acres and three residences in Timber Lane Village, and 28 acres and a monastery on the Miller River alluvial fan.
- Repaired the McKnight Revetment (on the right bank in Baring) damaged in the 2009 flood.
- Teamed with King County Roads to discuss options to address the resulting damage to the Old Cascade Highway when the Miller River created a new channel in January 2011.
- Donated a parcel to the Town of Skykomish to help implement its Maloney Creek project.

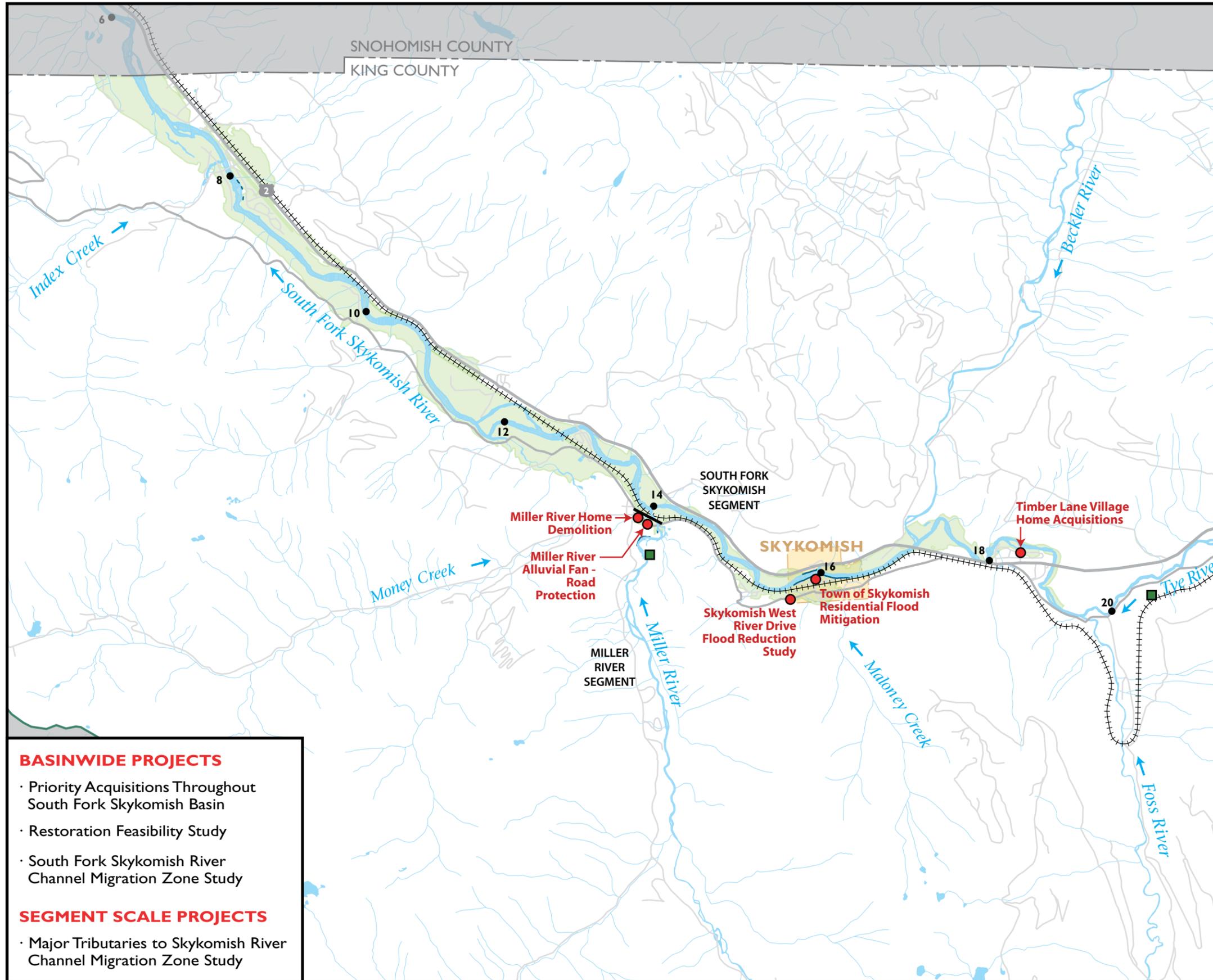
Proposed river and floodplain management actions for 2013-2018:

- Conduct channel migration mapping of the South Fork Skykomish River.
- Acquire high-priority, at-risk properties basinwide.
- Work with the US Forest Service and other stakeholders to recommend actions that will reduce flood hazards and improve salmon habitat basinwide.
- Buy homes and property subject to extreme erosion and flooding in Timber Lane Village.
- Buy or elevate homes subject to flooding in the Town of Skykomish.
- Identify and evaluate alternatives to reduce the frequency and severity of flood risks to homes on West River Drive in Skykomish (near Maloney Creek confluence).
- Develop and implement a strategy for maintaining or removing flood protection facilities on the Miller River alluvial fan.
- Demolish structures on the monastery property acquired on the Miller River alluvial fan.
- Conduct channel migration mapping of the Foss, Tye, Beckler, and Miller Rivers and Money Creek.

Questions? Please call 206-296-8001
or email WLR-rivers@kingcounty.gov.

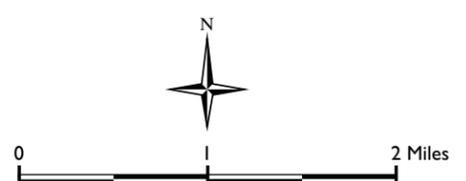
Translation services and
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Call 206-296-6519 or TTY:711





SOUTH FORK SKYKOMISH RIVER
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)
- WRIA Salmon Recovery 3-Year Work Plan Project Sites
- 2 River Miles (Approximate)
- Watershed/Basin Boundary
- Road
- Railroad
- Incorporated Area



- BASINWIDE PROJECTS**
- Priority Acquisitions Throughout South Fork Skykomish Basin
 - Restoration Feasibility Study
 - South Fork Skykomish River Channel Migration Zone Study
- SEGMENT SCALE PROJECTS**
- Major Tributaries to Skykomish River Channel Migration Zone Study

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Data sources: King County datasets
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