

Sound Watershed Consulting

Creating Functional Water Environments



Lower Squaw Creek Restoration Public Workshop

for

*The Friends of Squaw Creek
Truckee River Watershed Council
Sierra Nevada Conservancy*

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Hydrology
Geomorphology
River Ecology
Restoration Design
Sustainable Forestry
Integrated Watershed Management

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Restoration Alternatives

May 15, 2008



Alternatives v. Components

- **Alternatives** – large-scale approach to restoration

- **Components** – site or reach specific elements that when combined, support the alternative

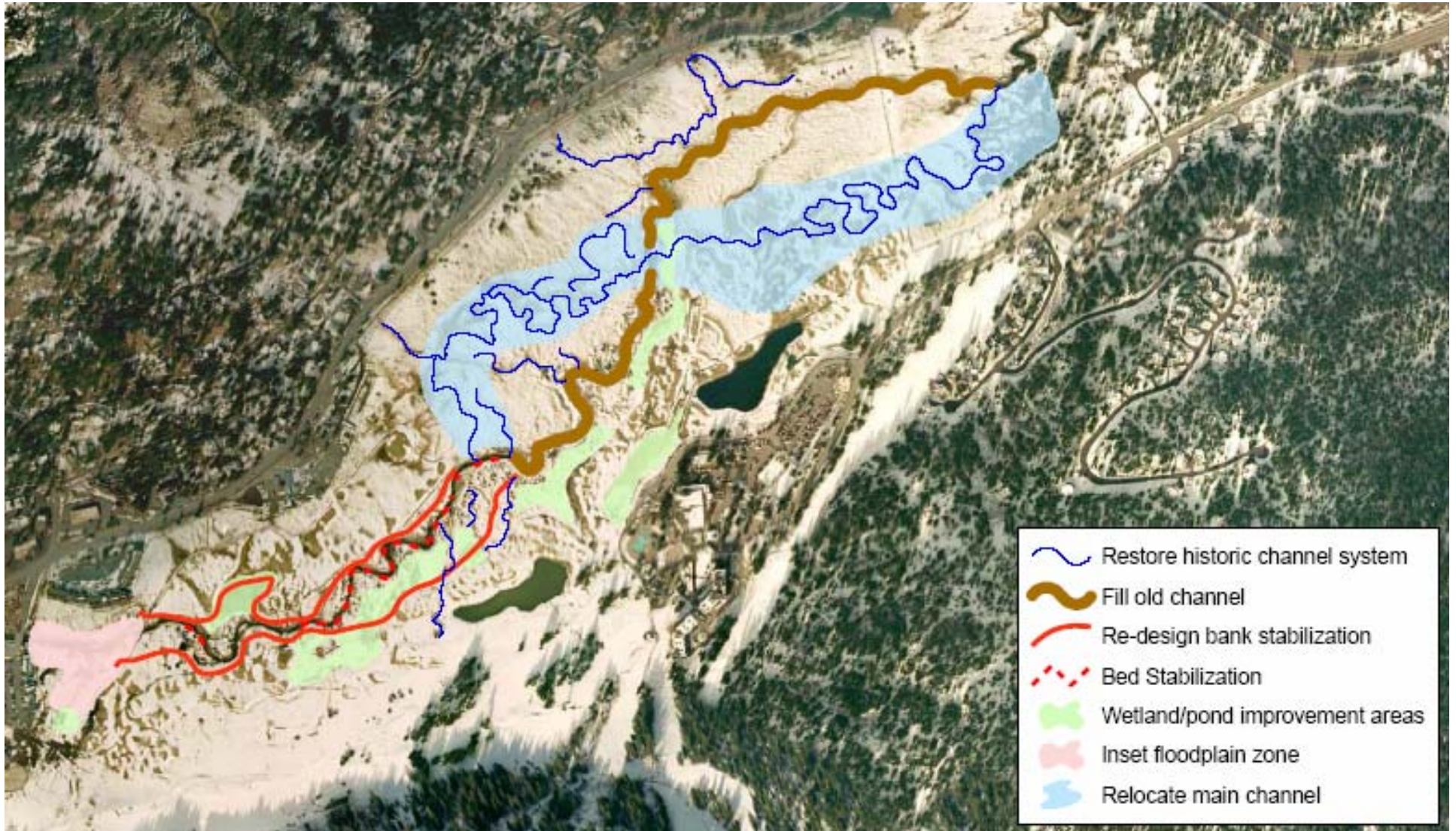


Alt 1 – No Action



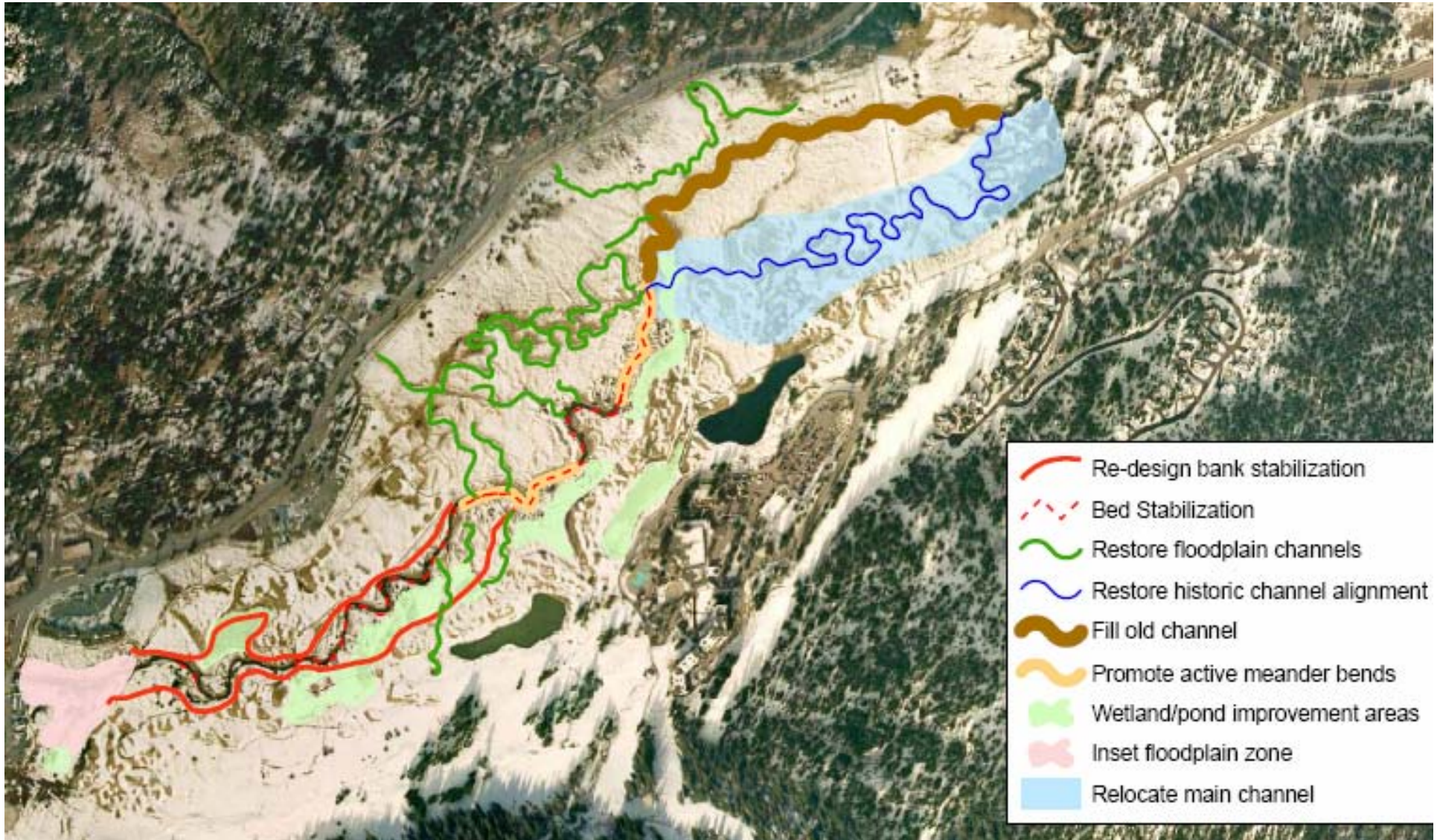


Alt 2 – Restored Pre-European Channel



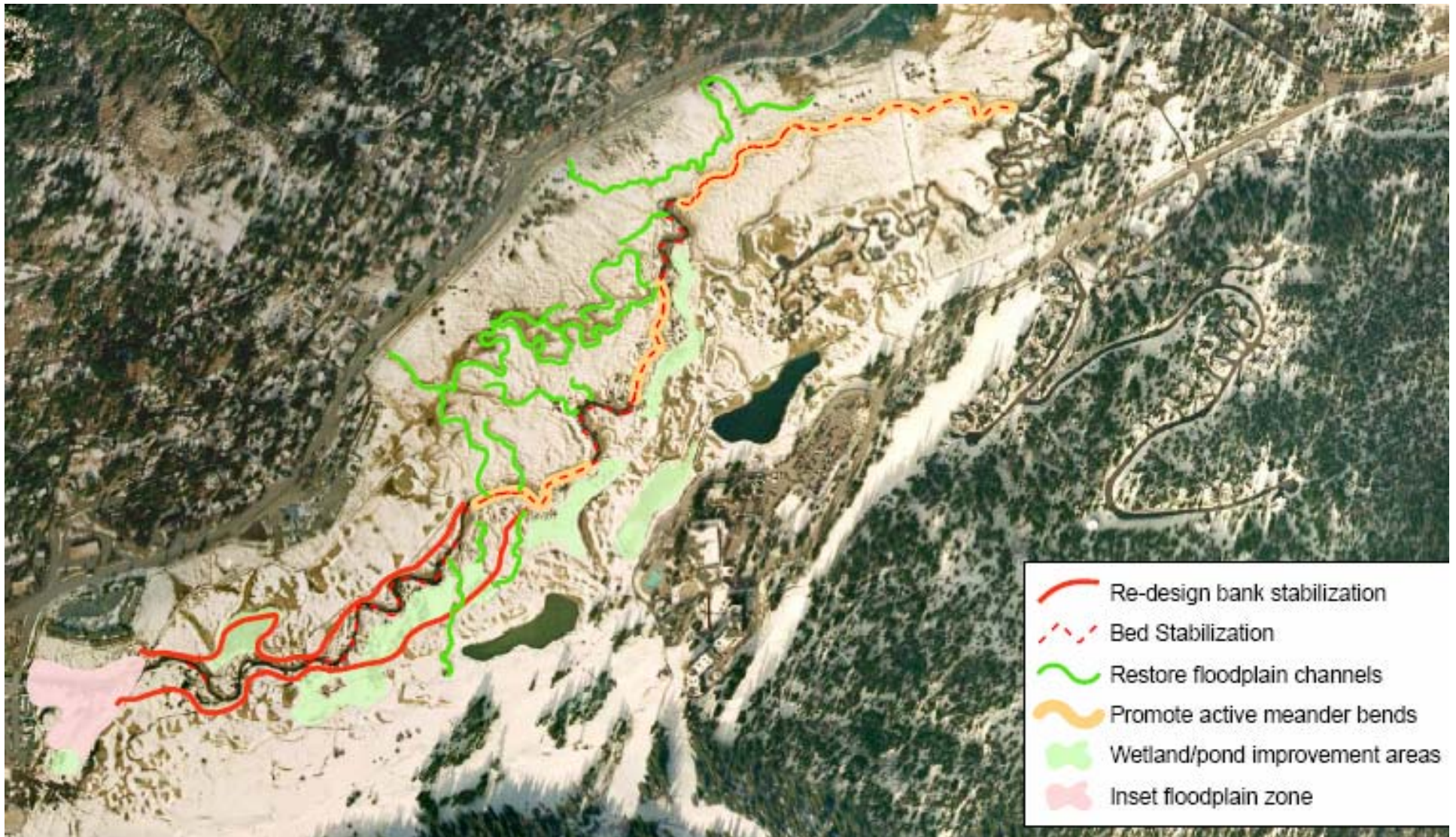


Alt 3 – Modified Pre-European Channel



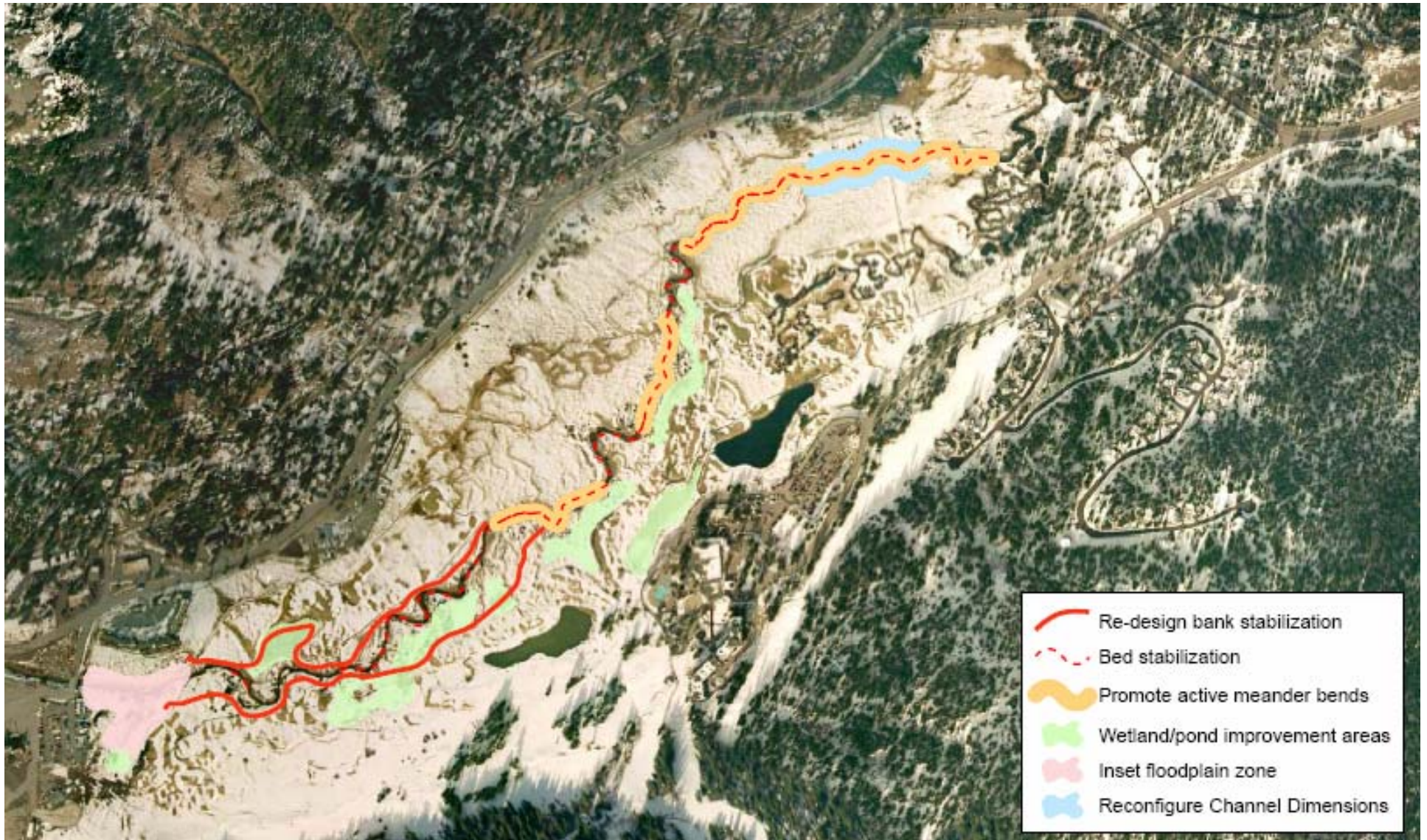


Alt 4 – Floodplain Channel Enhancement





Alt 5 – Existing Channel Enhancement





VERY Preliminary Cost Estimates

Alternative	Risk	Cost (1,000)
1 No Action	4	\$0 to \$150
2 Pre-European Configuration	2-4	\$1,750 to \$2,500
3 Modified Pre-European	2	\$1,300 to \$1,750
4 Floodplain Configuration	5	\$1,900 to \$2,300
5 Existing w/Enhancements	3	\$1,000 to \$1,300