SF Tieton Fish Passage -Waterfalls, Landslides and Base Level Rise

YBSMC June 14, 2017

1907 McAllister Meadows

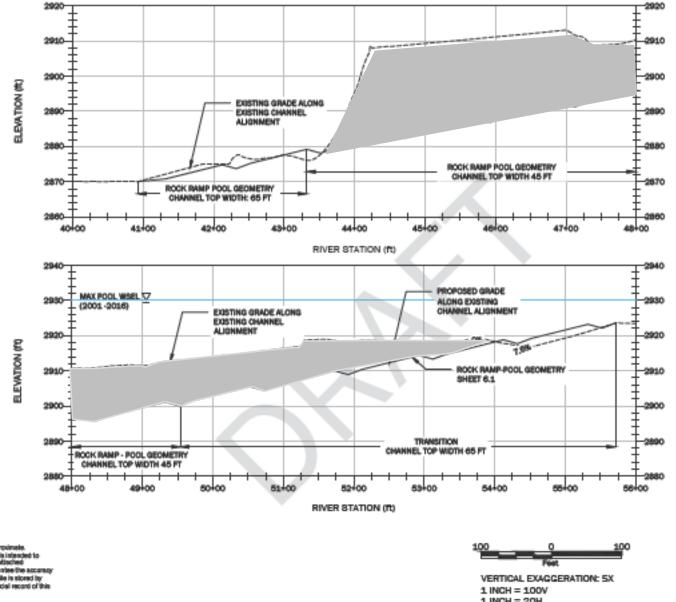


Close Up









Vertical Datum: NAVD 88

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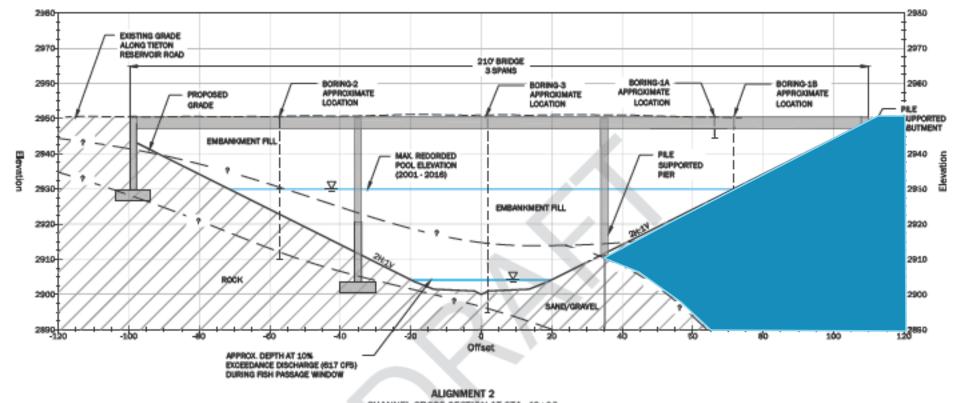


SOUTH FORK TIETON RIVER FISH PASSAGE FEASIBILITY STUDY AND CONCEPT DEVELOPMENT YAKIMA COUNTY, WASHINGTON

> ALIGNMENT 1 CHANNEL PROFILE B

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CHANNEL CROSS SECTION AT STA. 48+00

Notes:

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 2. Vertical Debur: NWO-88

 4. Fish presege virtidary is defined as June 1 to September 1. during adult bull trout spawning migration period.



VERTICAL EXAGGERATION: 1X

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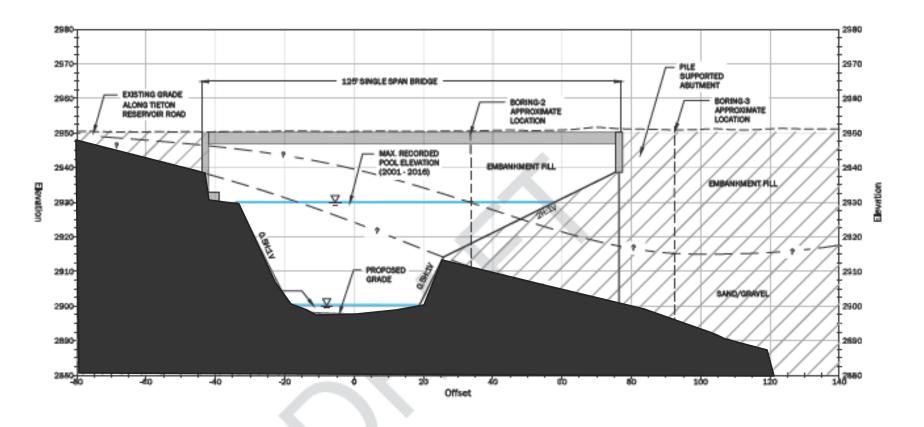


SOUTH FORK TIETON RIVER FISH PASSAGE FEASIBILITY STUDY AND CONCEPT DEVELOPMENT YAKIMA COUNTY, WASHINGTON

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ALIĞNMENT 2 PROPOSED BRIDGE CONCEPT 4.4

CREAK DIM



ALIGNMENT 3 CHANNEL CROSS SECTION AT STA. 47+56

Notes:

The locations of all features shows are approximate.

This drawing is for information purposes. It is intended to assist in showing features discurred in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master tile is stared by GeoEngineers, Inc. and will serve as the official record of this

communication. Vertical Datum: NAVD-88.

Fish passage window is defined as June 1 to September 1. during adult built trost spawning migration period.



VERTICAL EXAGGERATION: 1X

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SOUTH FORK TIETON RIVER FISH PASSAGE FEASIBILITY STUDY AND CONCEPT DEVELOPMENT YAKIMA COUNTY, WASHINGTON

ALIGNMENT 3 PROPOSED BRIDGE CONCEPT

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5.4



South Fork Tieton River Delta Region at River-Reservoir Interface Looking Upstream from RS 4,750

South Fork Tieton River Fish Passage Feasibility Study and Concept Development Yakima County, Washington

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Photo 7

Erosion and Sedimentation Manual

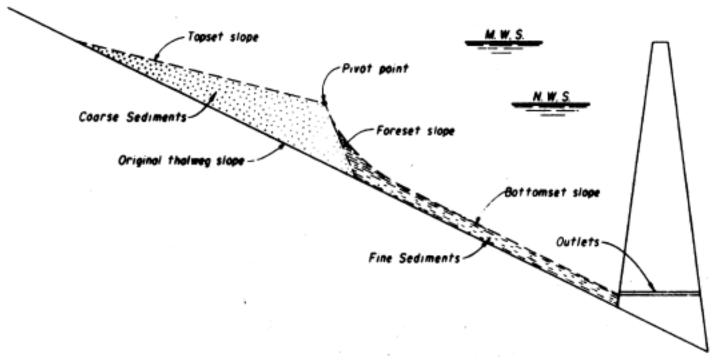
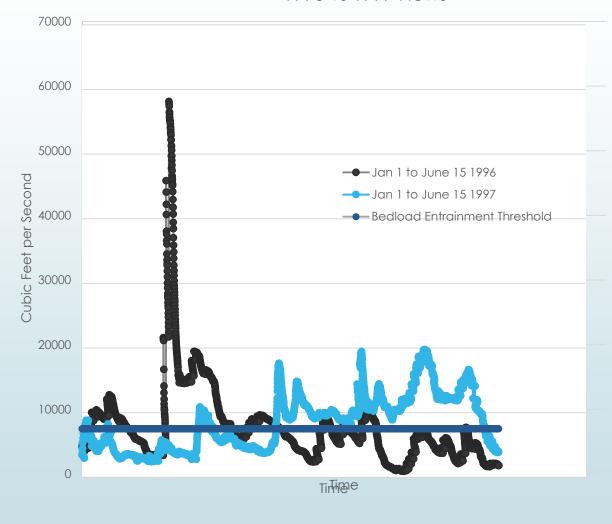


Figure 2.29. Typical sediment deposition profile (Bureau of Reclamation, 1987).

Yakima RIver at Parker 1996 vs 1997 Flows



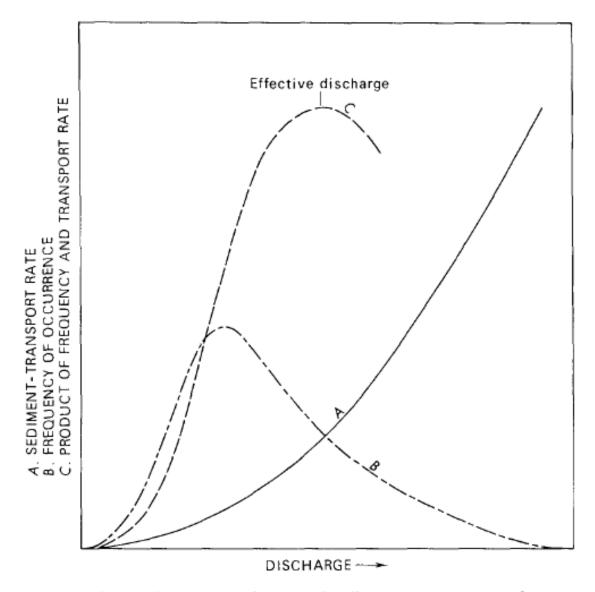
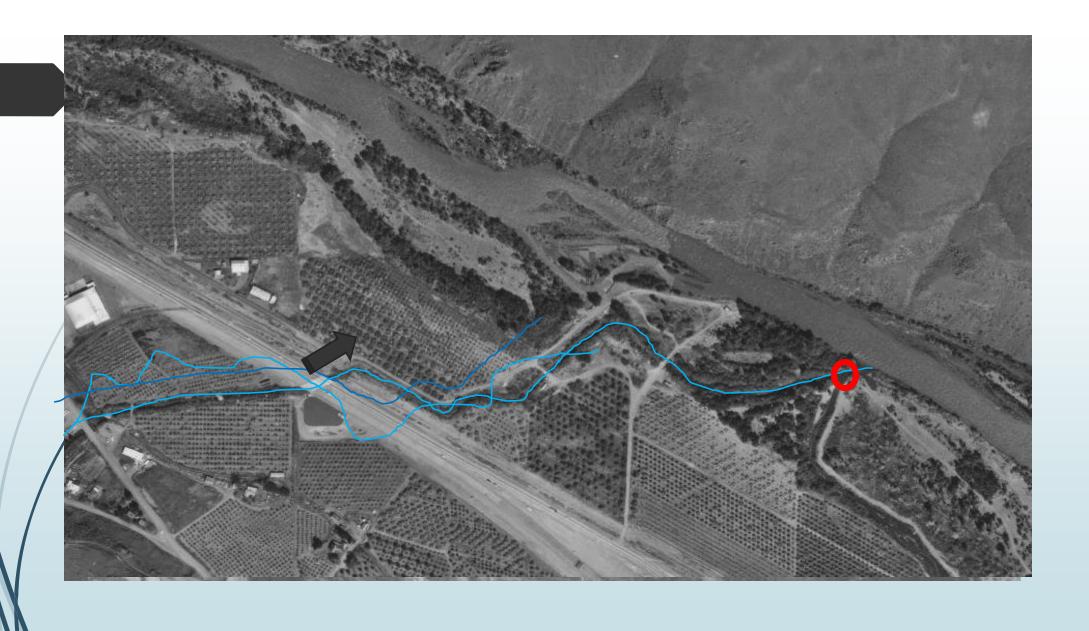


Fig. 1. Relations between discharge and sediment-transport rate, frequency of occurrence and the product of frequency and transport rate (after Wolman and Miller, 1960).



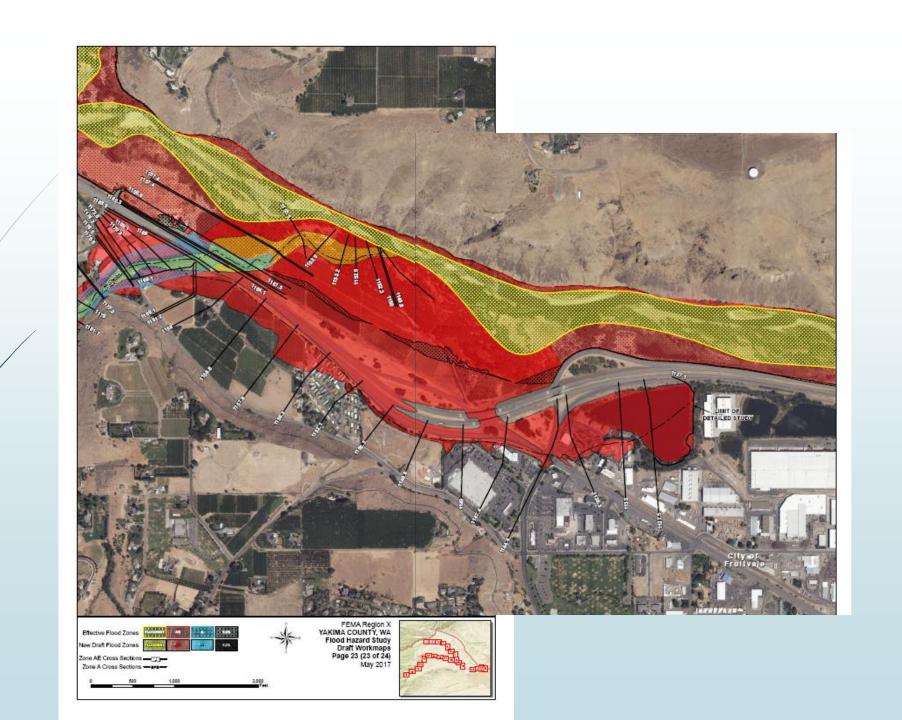
Modification, Flooding and Restoration on the Lower Naches and Cowiche













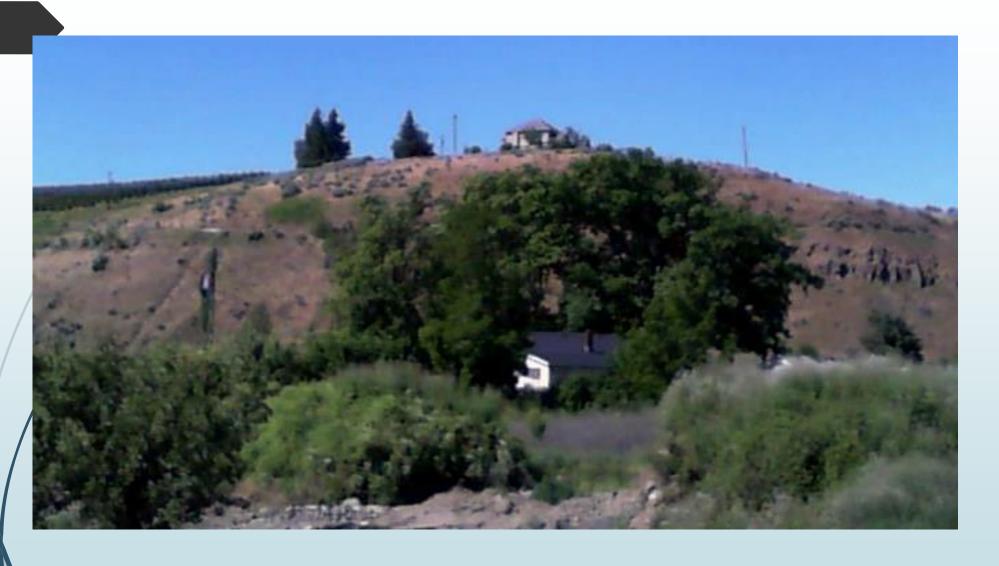




So what is the Flood Control Zone District going to do?

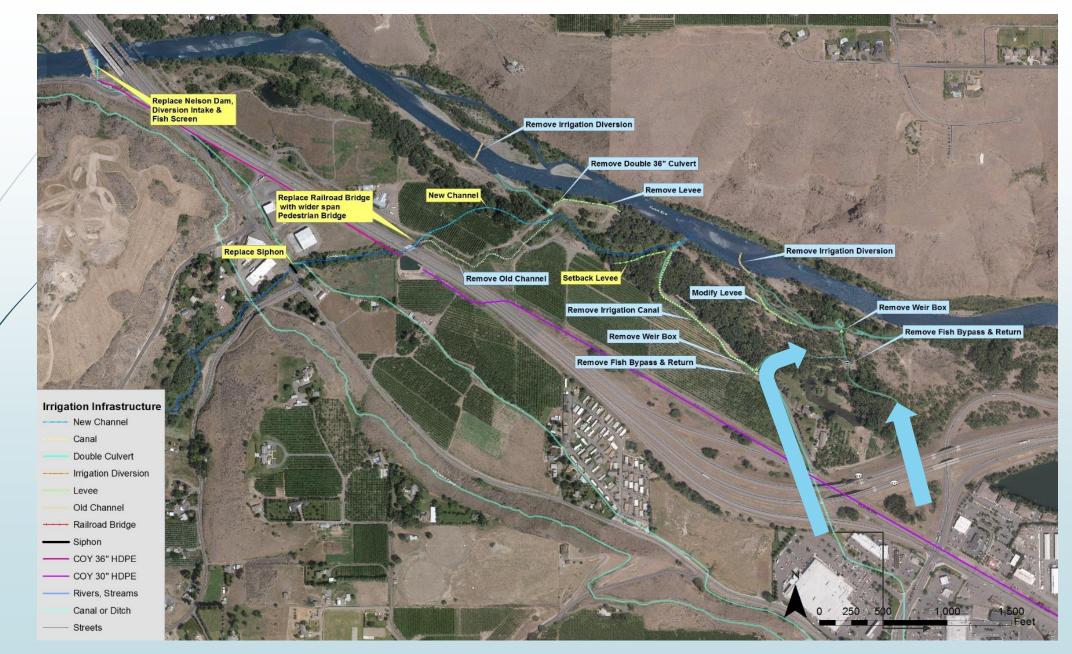
Modify Upper Yakima CFHMP in cooperation with City.

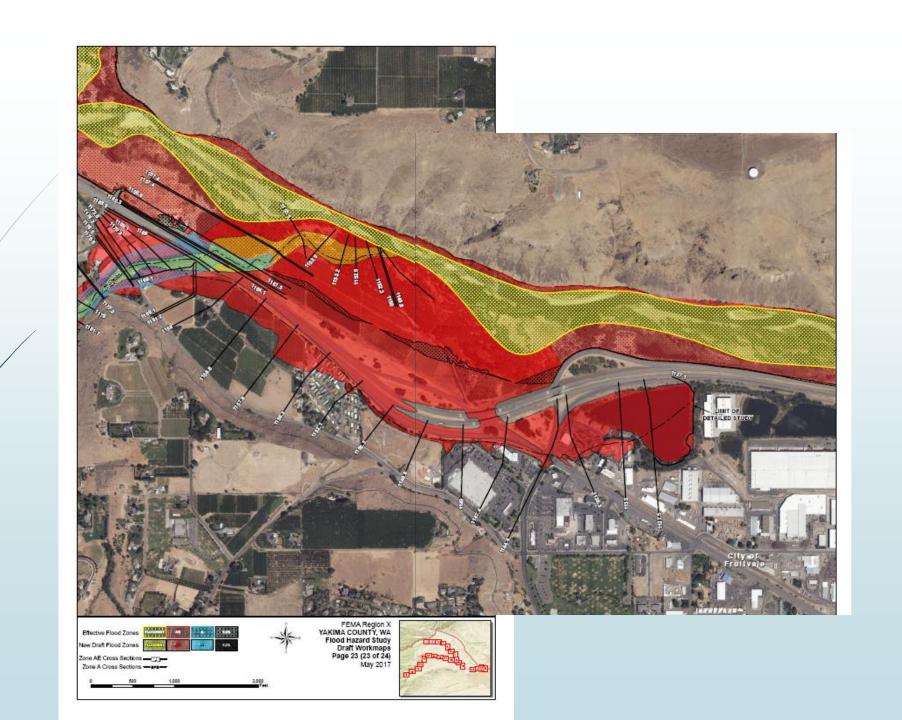
- Short Term Action
- Medium Term Actions
- Long Term Actions



Put a Board in the hole so the wind don't blow through no more.

Implement the Nelson and Lower Cowiche Restoration Actions.





Need New Bridges

