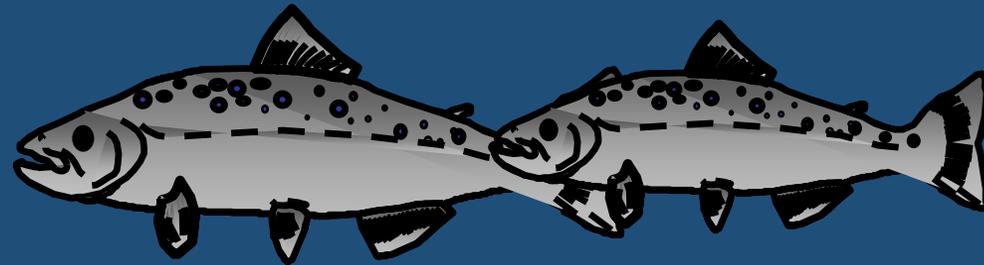
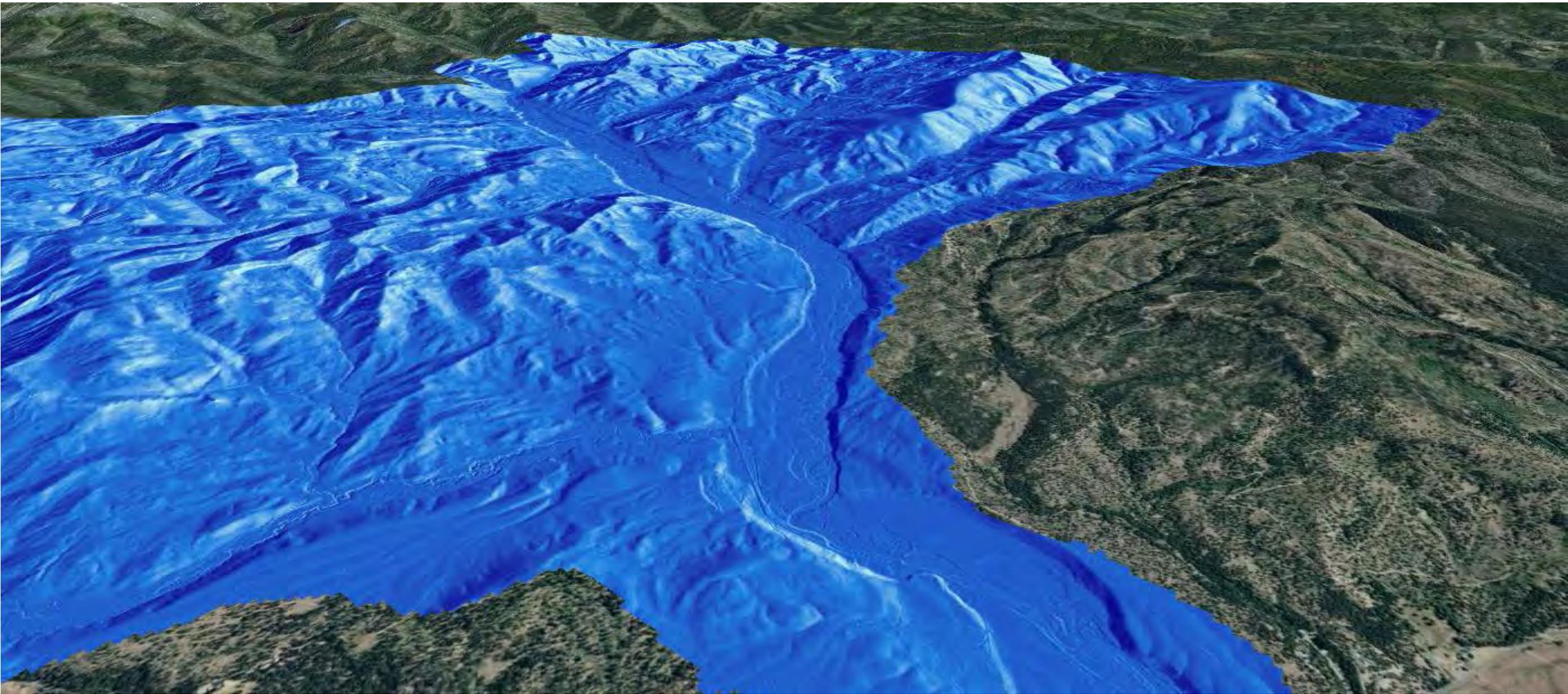
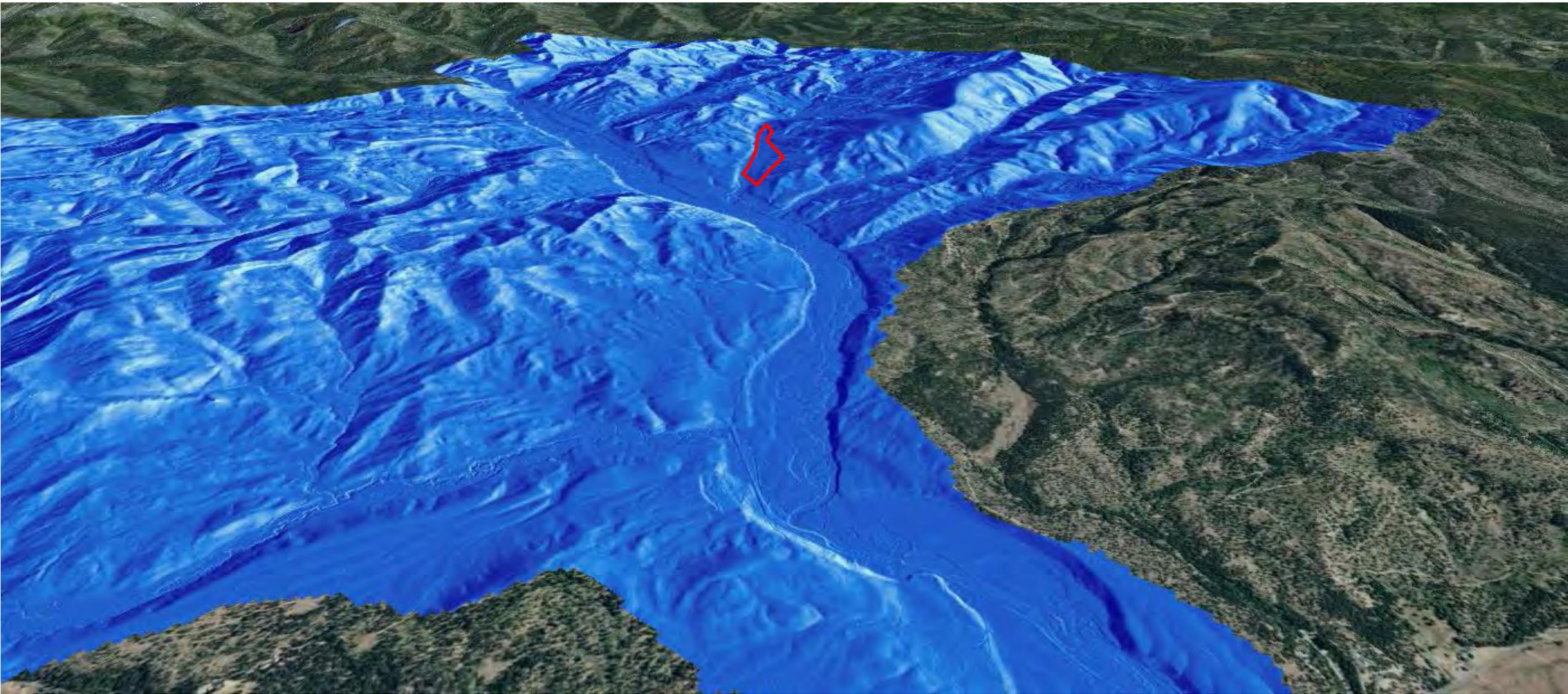


Indian Creek Phase One Restoration Report

Scott Nicolai
Yakama Nation
Fisheries Resources Program









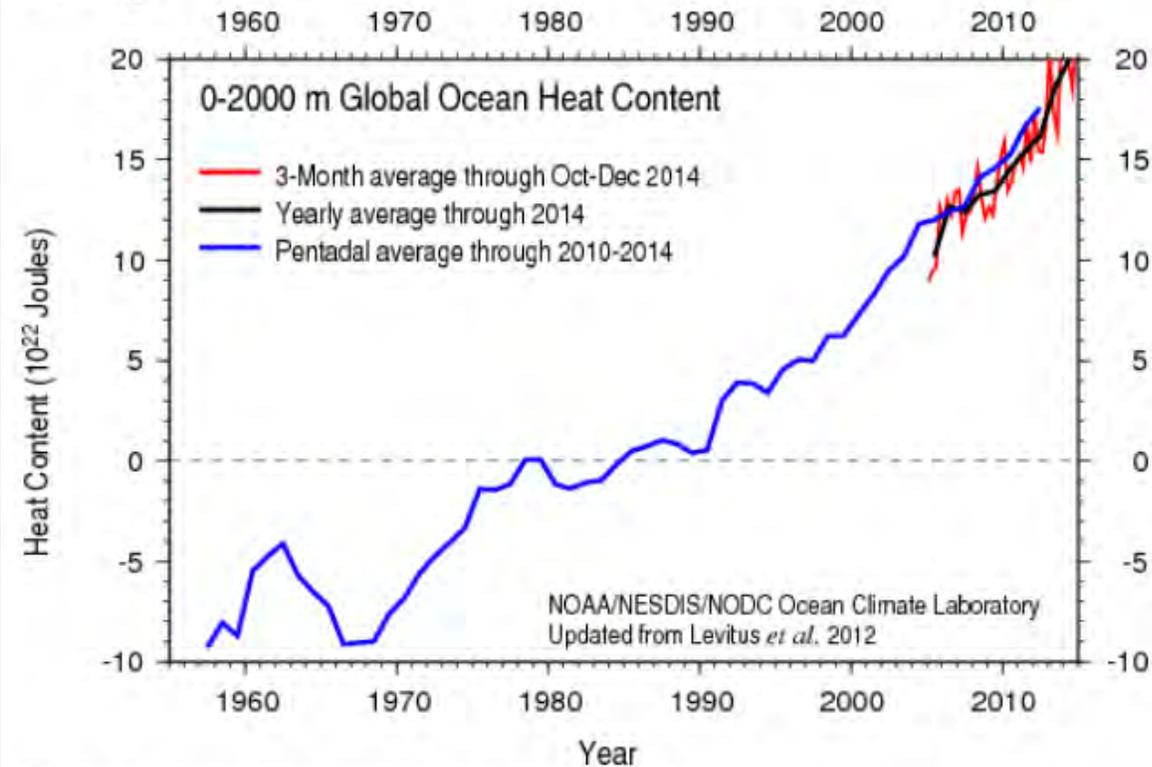
Need Water?

Functional
floodplains provide
Ecosystem Services



The oceans are warming so fast, they keep breaking scientists' charts

NOAA once again has to rescale its ocean heat chart to capture 2014 ocean warming



Ocean heat content data to a depth of 2,000 meters, from NOAA.

Source:
grist.org



“Glaciers on Mount Baker and other mountains in the North Cascades are thinning and retreating... the overall volume of glaciers in the range have lost about one-fifth of their volume.”

-AP, Ellensburg Daily Record, 8/28/2015

The shifting baseline...



Natural Log Jam in Middle Fork Teanaway River, circa 1900,
Ponderosa forest on East slope of Cascades, Washington

Source: Russell, I. C. 1909. Rivers of North America. G.P. Putnam's Sons, New York. 327pp.
Figure B, Plate XII, page 239. (Scan by T. Abbe)



Indian Creek lost its "rebar".
Channel Incision!
Dry Meadows!



























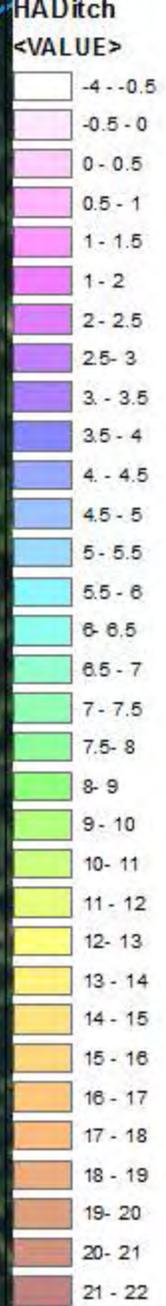
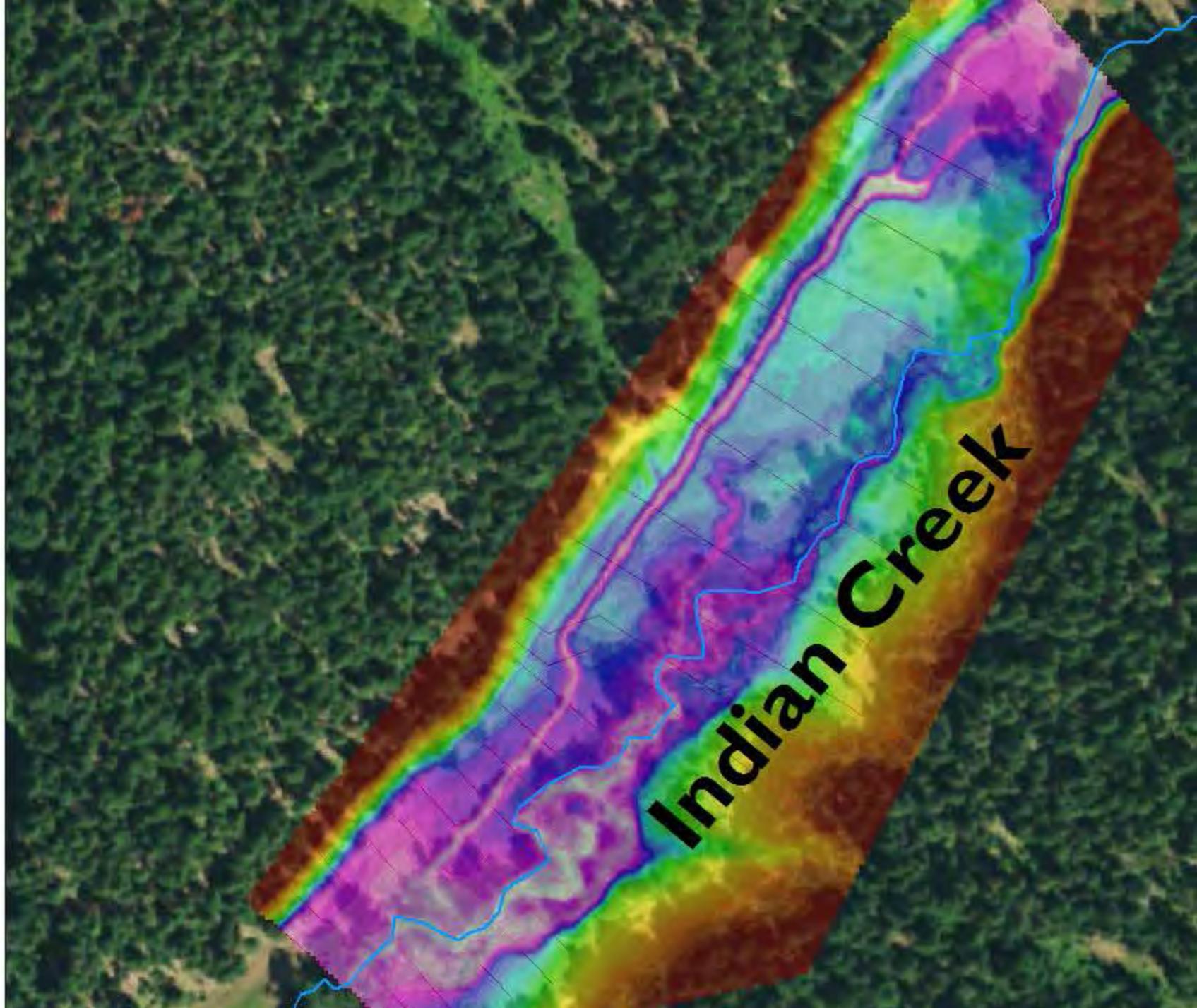


0 0.0425 0.085 0.17 0.255 0.34 Miles



Indian Creek

10560



NAIPWashington_2015_1m

RGB

Red: Band_1



0 0.0425 0.085 0.17 0.255 0.34 Miles



Indian Creek

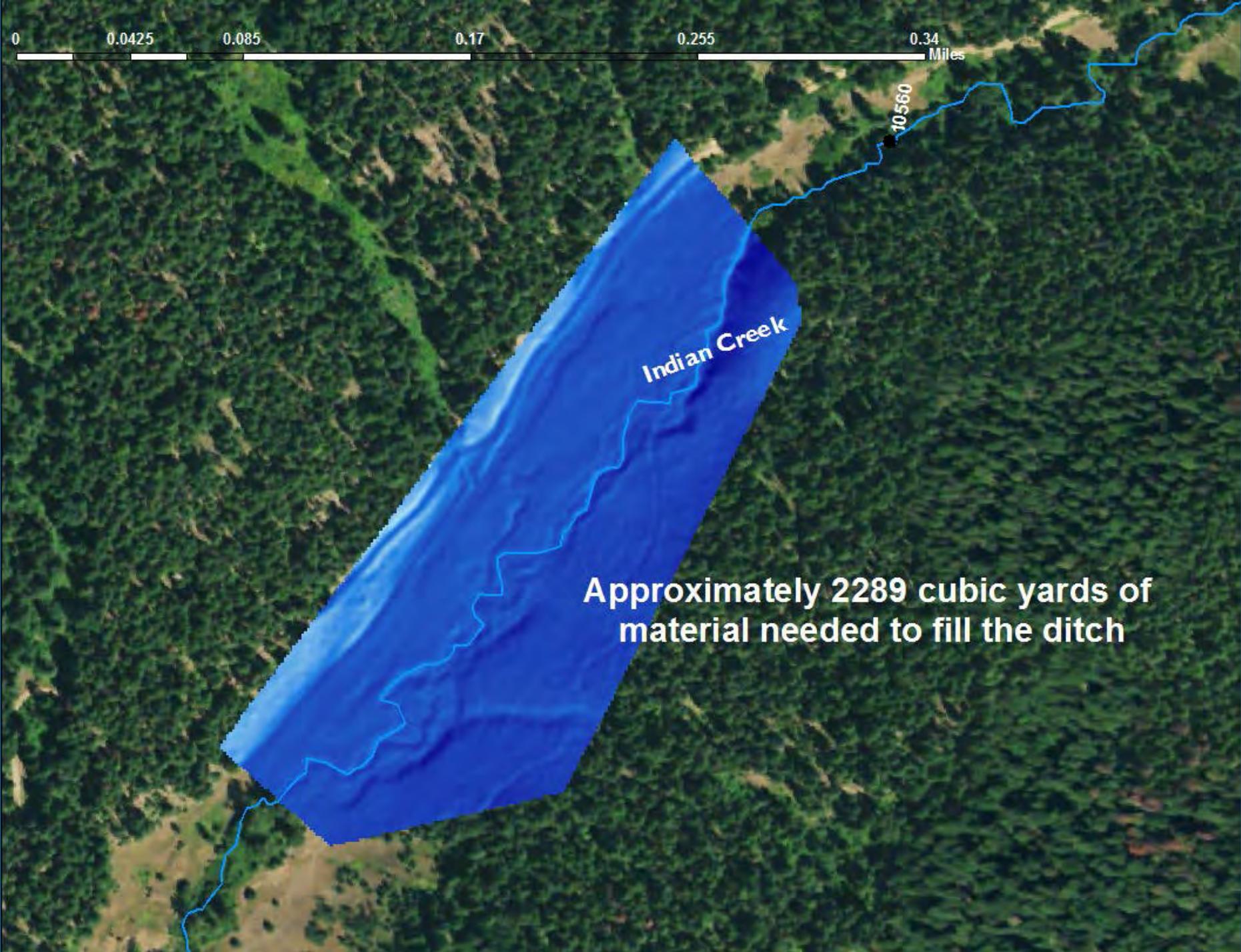
10560

0 0.0425 0.085 0.17 0.255 0.34 Miles

Indian Creek

Approximately 2289 cubic yards of material needed to fill the ditch

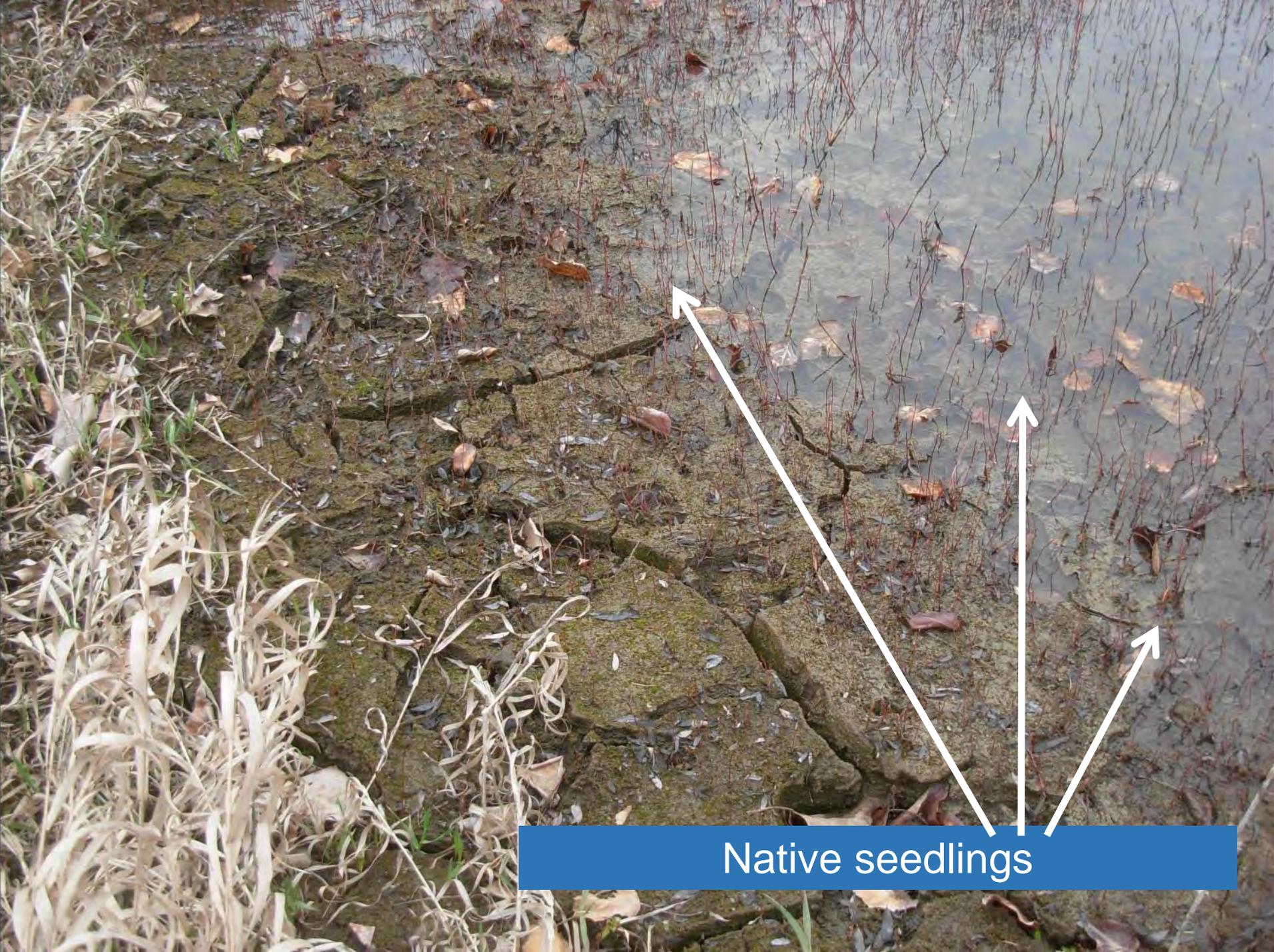
10560





**Floodplain Restoration
is good for Native
Plants**





Native seedlings

Before Restoration (Dry)



snag

09.10.2010 12:00

Three Years After Restoration



Wet Soils!

Thousands of Native Riparian
Plants!

No Labor Required!



snag



Thank You!

