

# North Fork Lewis River Restoration RM 13.5 Phase II







# NF Lewis River RM 13.5 Restoration Project, Phase II

## Aquatic Fund Priorities:

**Priority #1:** *Benefit fish recovery throughout the North Fork Lewis River, with priority to Federal ESA-listed species*

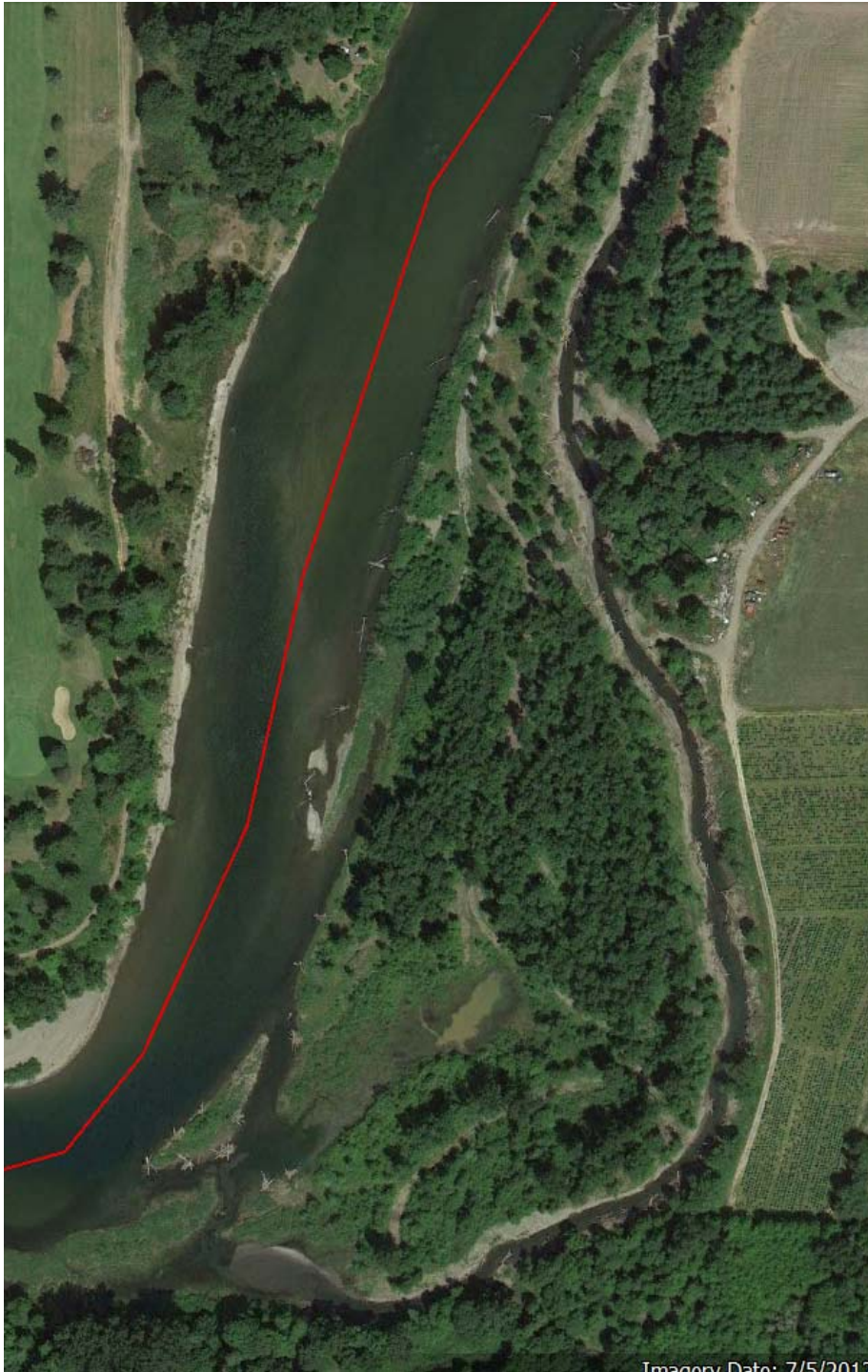
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**Priority #3:** *Enhance fish habitat in the Lewis River Basin, with priority given to the North Fork Lewis River*

# Project Objectives

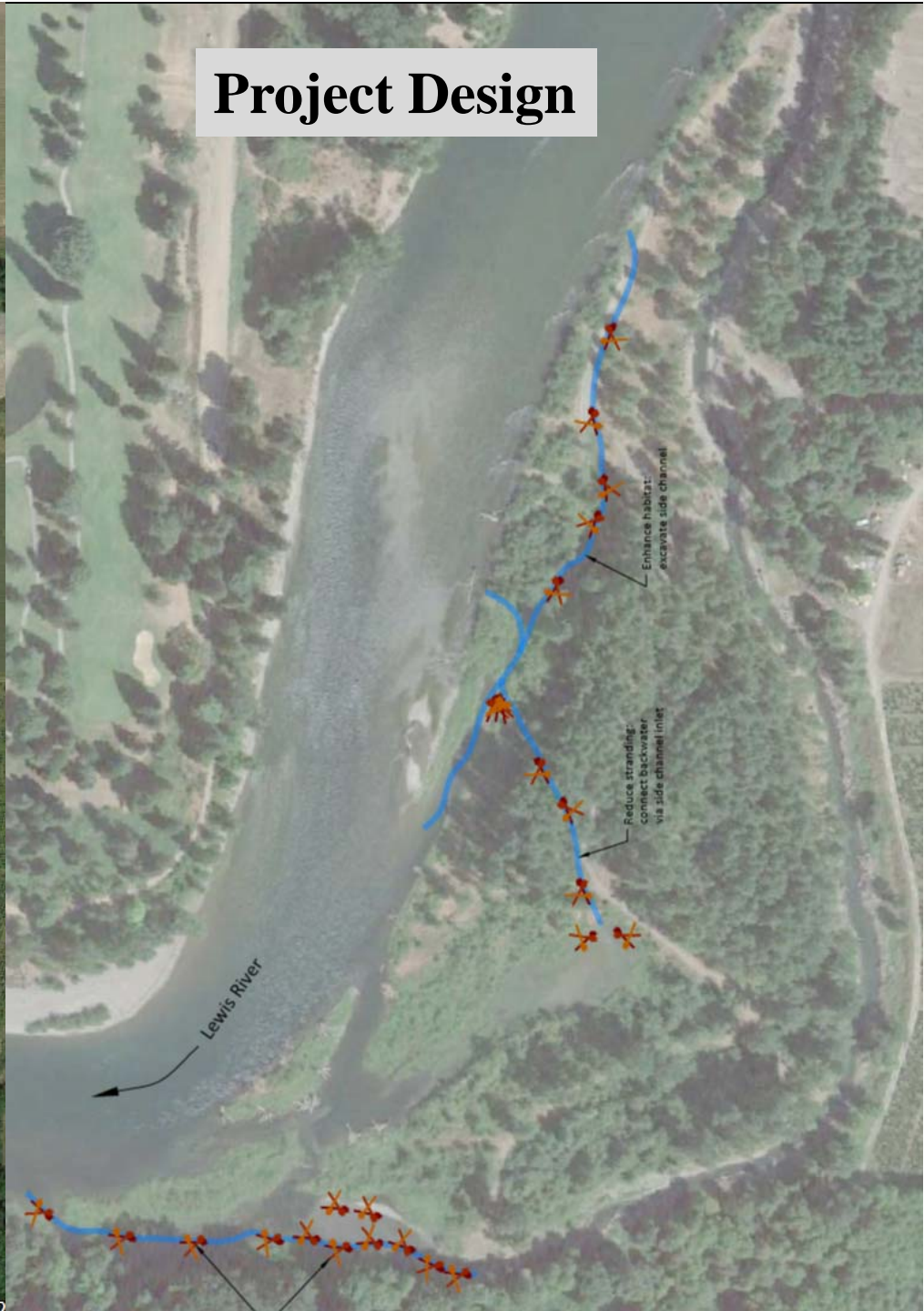
- ✓ **Side channel sediment wedge:** Enhance connectivity and install LWD cover in 700' of channel at confluence of 2010 side channel - SRFB & ACC Funds.
- ✓ **Ephemeral side channel conversion:** Create 1,850 feet low flow side channel (1,100ft & 750ft) to provide new spawning and complex rearing habitat - SRFB & ACC Funds.
- ✓ **Riparian Enhancement:** Remove a minimum of 2.0 acres of invasive plant species and under-planting with greater than 5,000 native riparian plantings SRFB Component.





Imagery Date: 7/5/2012

# Project Design

































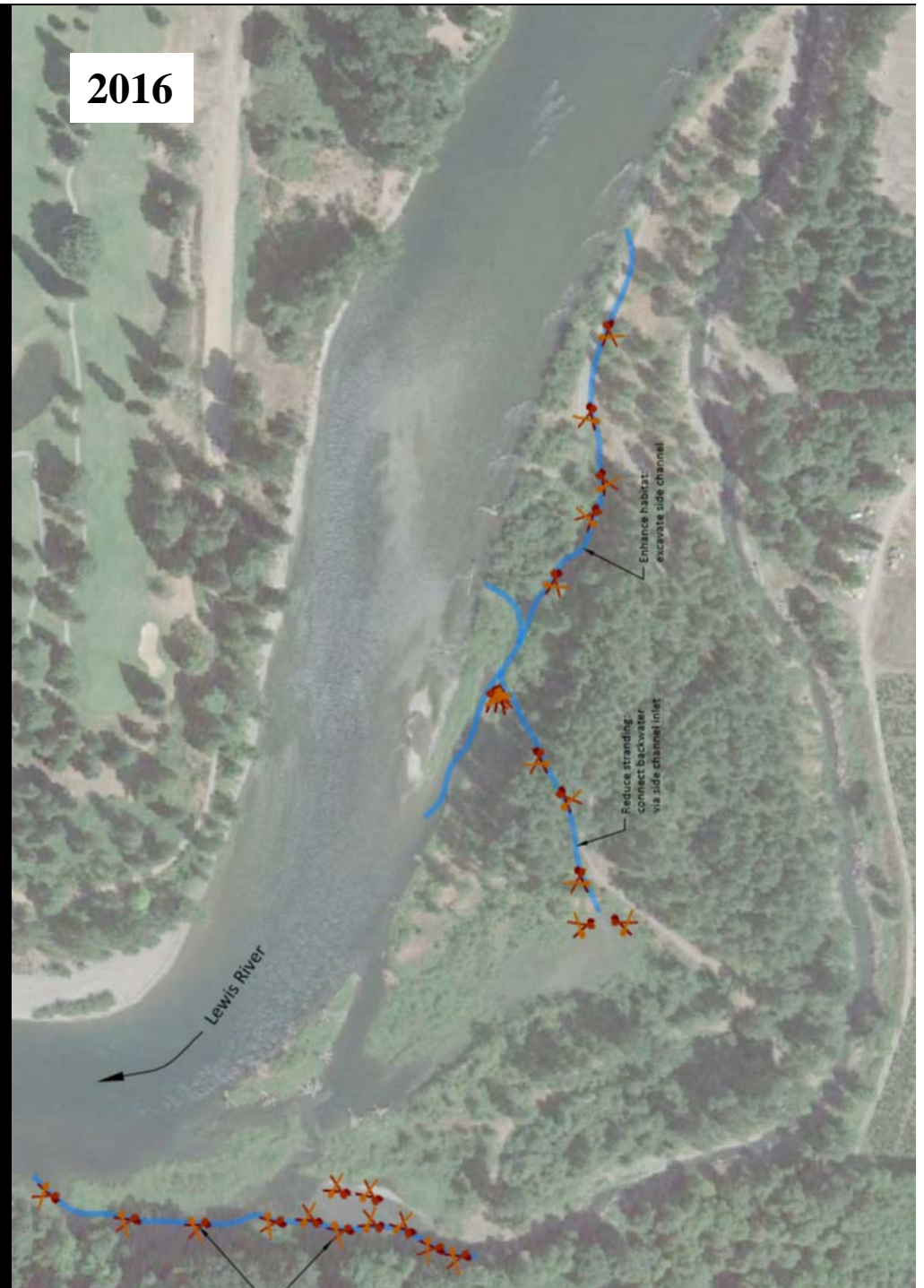
## Habitat Benefits/Metrics

- Placement < 100 logs/rtwds
- Minimum 25 structures
- \$15k donated slash/brush
- Approx. 28,000 sq/ft of new side channel habitat
- Reduction in annual stranding

## Fish Benefits

Juvenile rearing – Chinook, Coho, and Steelhead

Adult spawning – Coho, Steelhead and possibly Chum

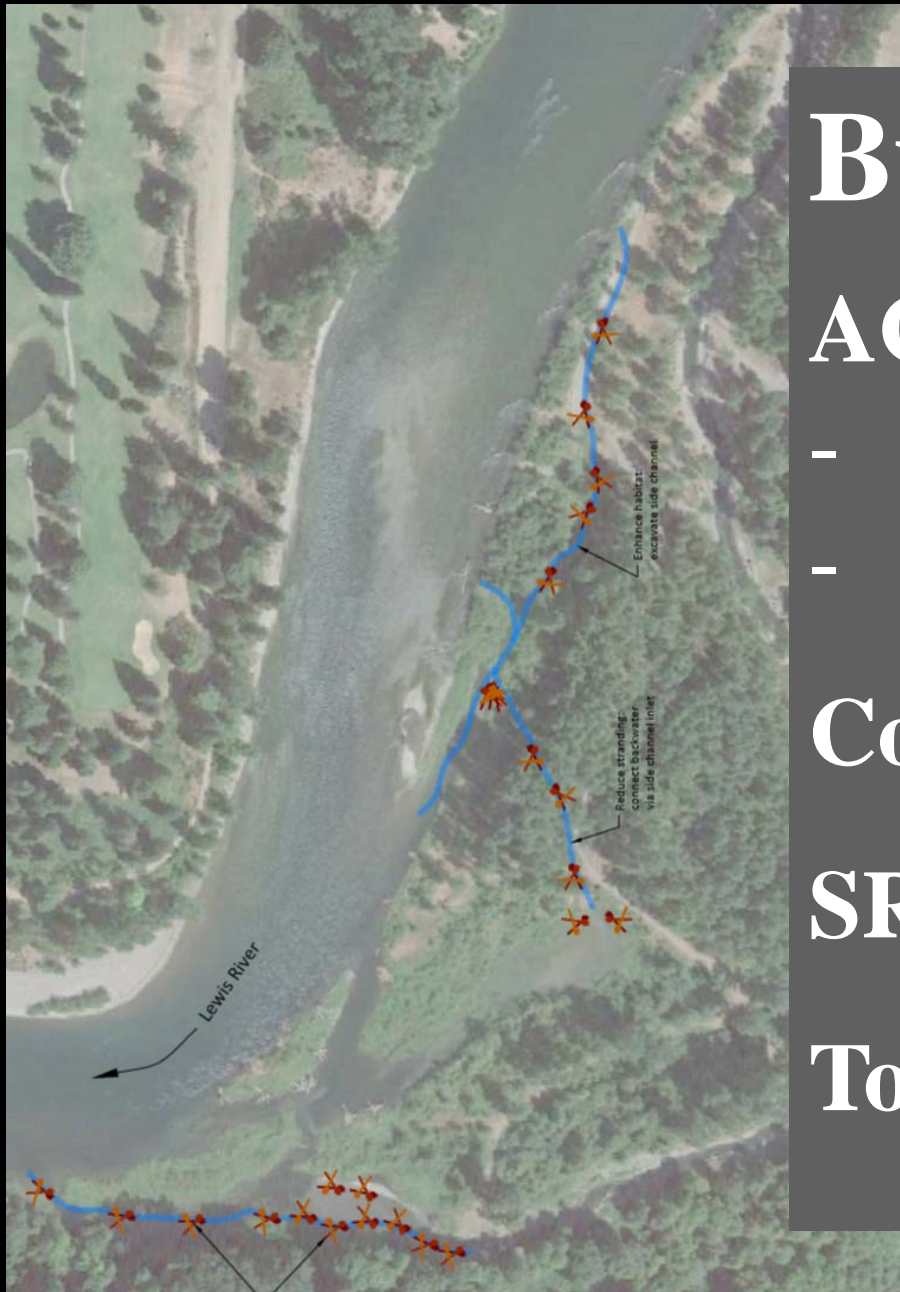




# Schedule

*Contingency - Assuming 2015 SRFB grant funds are secured.*

- **Task 1: Dec. 2015 – July 2016. Update design, Interfluve.**
- **Task 2: Dec 2015 – Feb 2016. Permit applications (including HPA, USACE, and DNR Right of Entry) will be submitted in sufficient time to acquire permits in time for summer 2016 construction.**
- **Task 3: June 2016. Materials acquisition/construction contractor selection.**
- **Task 4: August – September 2016. Project implementation.**
- **Task 5: Oct 2016 – May 2017. Periodic project monitoring. Observation and photo documentation of project results.**
- **Task 6: August – September 2017. Maintenance as needed.**
- **Task 7: March - June 2018. Summarize results, project final report.**



# Budget

ACC Request \$77,000

- \$50k LWD

- \$27k Insurance

Cost share \$53,775

SRFB Request \$260,100

Total Request \$363,875