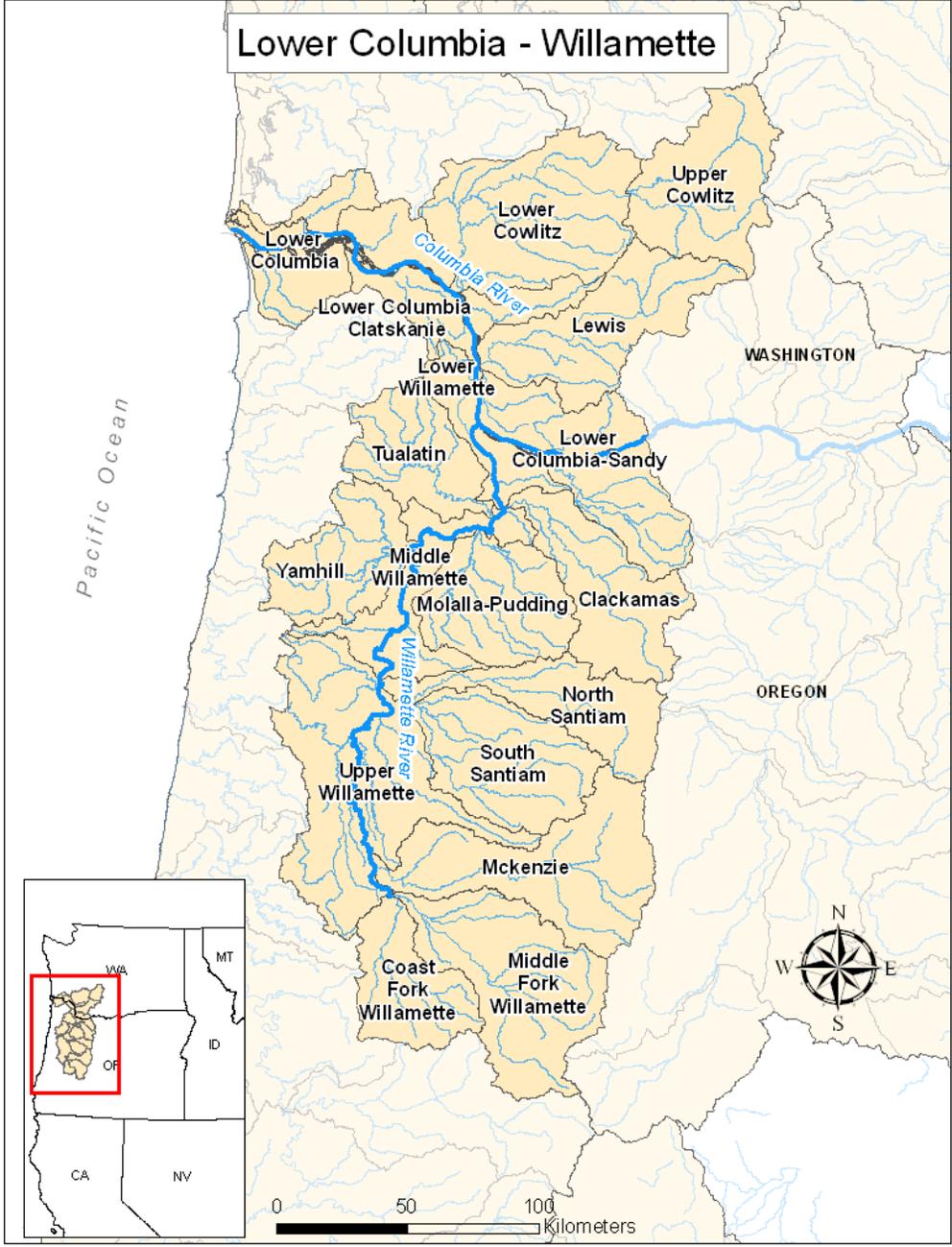


**Pacific Lamprey Regional Implementation
Plan for the
Lower Columbia/Willamette RMU
*Lower Columbia Sub-Unit***

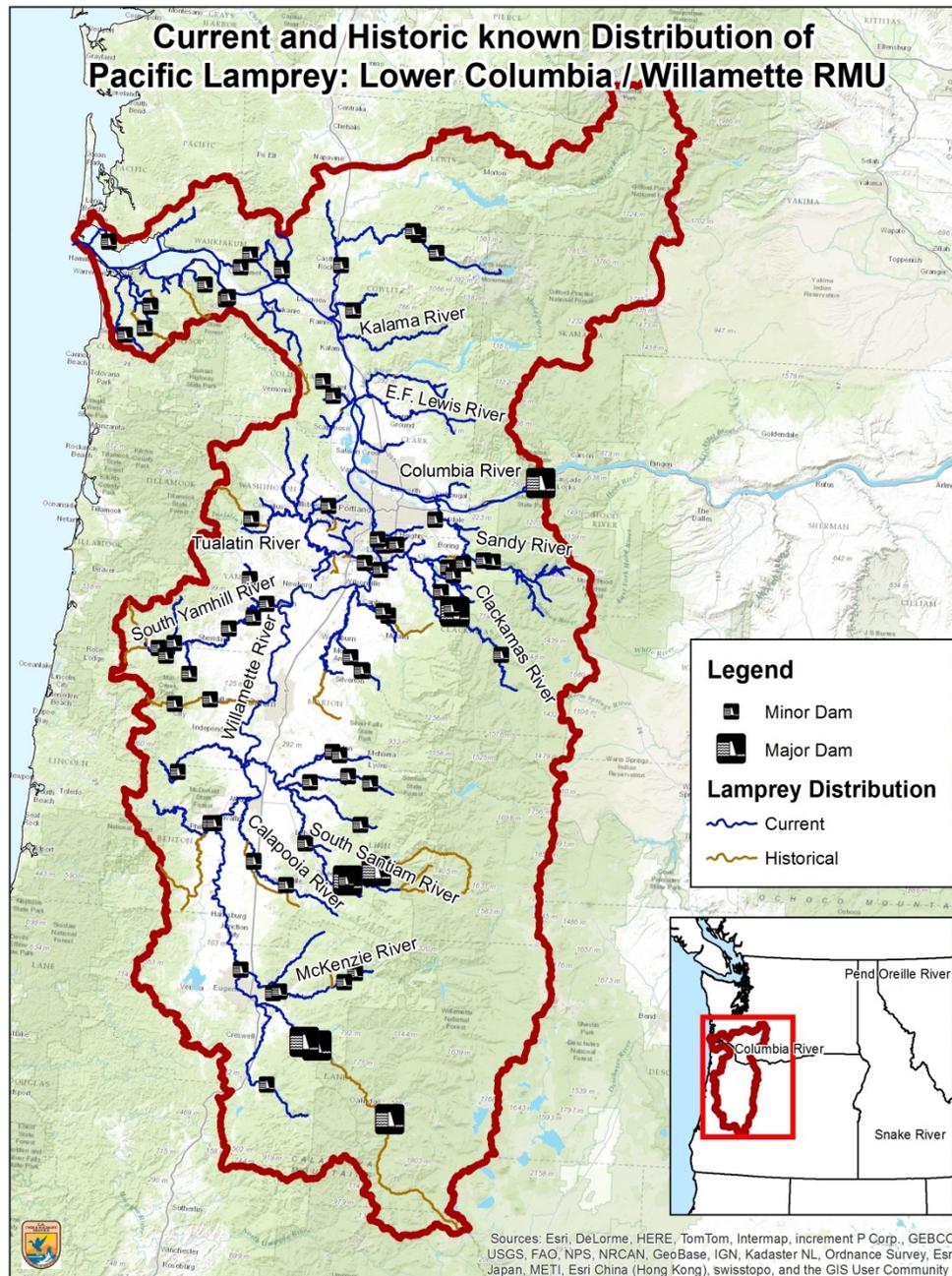


Conservation Team Meeting June 15, 2015

Lower Columbia - Willamette



Current and Historic known Distribution of Pacific Lamprey: Lower Columbia / Willamette RMU



Major threats to Pacific Lamprey in the Lower Columbia Sub-Unit

- Tributary Passage (Adult and Juvenile)
- Dewatering and Flow Management

Moderate

- Stream and Floodplain degradation, and Water quality

Summary of Past Actions

- Marmot and Little Sandy dams removed
- NPCC – subbasin plans identify salmon & steelhead restoration activities – also will benefit Lamprey
- OR-Lower Col. R. Conserv. & Recovery Plan 2015-17 implementation plan
 - 3 tributary passage projects
 - 14 stream & flood plain restoration
- WA- Lower Col. Fish Recovery Board last year grant round
 - 2 tributary passage projects
 - 3 stream & flood plain restoration

Past Project Examples

Tributary Passage Projects

- **Clear Creek Fish Passage:** tributary to the Elochman River, WA. Replace an undersized partially buried culvert with a bridge. Habitat elements are included in the project, two large wood jams and boulders for roughness. Restore passage to more than a quarter mile of habitat, and several more once WDFW removes a non-used diversion dam for a closed hatchery.
- **Thousand Acres Tide Gate Project:** remove a tide gate and water control structure on the lower Sandy River, OR. Includes 1.2 miles of riparian enhancement, and .15 miles of large wood additions. Implemented by Lower Columbia River Estuary Partnership in 2015 and primary funds from OWEB and BPA.

Stream & Floodplain Restoration Projects

- **Happa Habitat Restoration** : enhance over 6.7 acres of riparian area and 1,100 feet of the mainstem North Fork Lewis River, WA. Funded 2014 grant round of Lower Columbia Fish Recovery Board.
- **Clatskanie River Floodplain Restoration**: restore side channel, riparian, and instream aquatic habitat on the lower Clatskanie River, OR. Restore 3000 feet of side channel, 0.5 miles of riparian habitat, and incorporate 15 large wood jams in the existing stream channel. Implemented by the Lower Columbia River Watershed Council in 2015 & 2016; primary funds from OWEB and ODFW.

Project Proposals for 2015/16

- RMU will identify unfunded projects
- RMU will prioritize unfunded project list
(for September – most likely use in 2016 cycle)
- Finalize Lower Columbia RIP for September