



# PACIFIC LAMPREY CONSERVATION INITIATIVE

## Pacific Lamprey in Decline

Pacific Lamprey (*Entosphenus tridentatus*) are part of an ancient group of fishes that have been around for ~400 million years. Like salmon, this resilient native species historically returned to Pacific rivers and streams to spawn in large numbers. Currently, Pacific Lamprey populations are a fraction of what they once were.

## Threats to Pacific Lamprey

- Barriers to ocean migration and upstream spawning
- Reduced stream flow & stream degradation
- Predation by invasive species
- Degraded water quality
- Changing marine and climate conditions
- Lack of awareness

## Cultural Significance

Pacific Lamprey are vitally important to Indigenous people throughout their range and play key cultural and ecological roles in these communities and ecosystems.

Considered an important first food for many tribal communities, Pacific Lamprey are prized for their rich, fatty meat and appreciated as a medicinal and nourishing resource.

## Pacific Lamprey Conservation Initiative

The Pacific Lamprey Conservation Initiative (PLCI) is a collaboration of Native American tribes, federal, state, municipal agencies and non-profits working together to achieve long-term persistence of Pacific Lamprey, their habitats, and their tribal uses across their historical range.



### 5 STATES

in the historic range of Pacific Lamprey (WA, OR, ID, CA and AK) are covered in the Lamprey Assessment.



### 38 SIGNATORIES

and 16 supporting partners support the 2022 Lamprey Conservation Agreement, originally signed in 2012 and updated every 5 years.



### 18 REGIONAL MANAGEMENT UNITS

produce Regional Implementation Plans to advance goals in alignment with the Lamprey Conservation Agreement.



PLCI is one of 20 nationally recognized fish habitat partnerships in the United States in the National Fish Habitat Partnership (NFHP). Learn more about PLCI and the work of NFHP and the other Fish Habitat Partnerships at [www.pacificlamprey.org](http://www.pacificlamprey.org)



# Pacific Lamprey Conservation Initiative

## Resources for Managers and Restoration Practitioners

### The Pacific Lamprey Assessment

Every five years PLCI and its partners evaluate Pacific Lamprey habitat conditions, population demographics, distribution, and threats. This information is used to inform NatureServe, a diagnostic tool that characterizes conservation risks of Pacific Lamprey across their historical range.

### Information Sharing & Technical Resources

The Lamprey Technical Workgroup provides technical support to the RMU's. The Workgroup works on a range of subjects impacting lamprey conservation including:

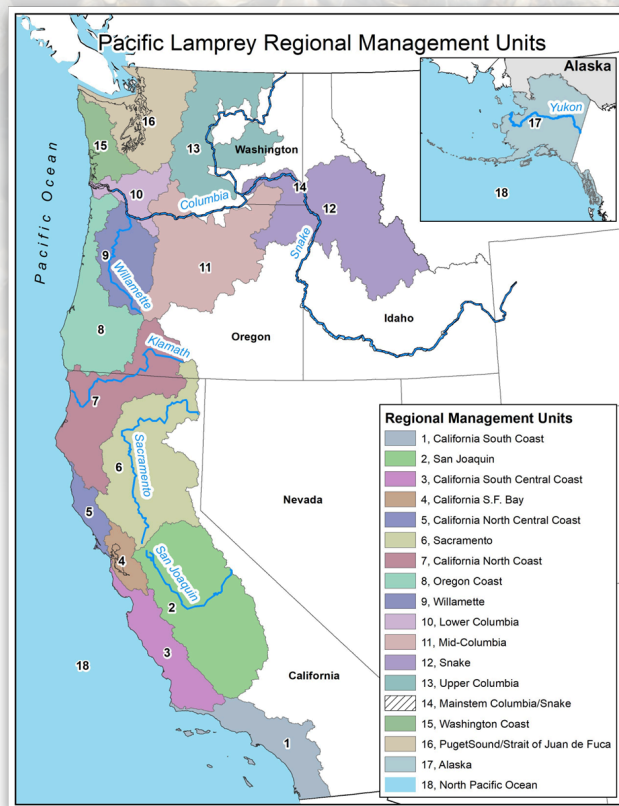
- Study passage design, restoration, eDNA, contaminants, dredging impacts, etc.
- Produce technical documents and resources (best management guidelines, white papers, etc.)
- Host the annual Lamprey Information Exchange

### Get Involved! Join your Regional Management Unit for local Lamprey Science

Each of the 18 Regional Management Units is composed of biologists, managers and lamprey enthusiasts. They meet periodically to identify, prioritize, and implement key conservation actions through a Regional Implementation Plan, which are updated annually to incorporate current information.

### The Lamprey Information Exchange

In December, PLCI hosts an annual information exchange to share cultural and scientific knowledge within the expanding global network of lamprey enthusiasts. Register for the information exchange and view past resources and recordings on PLCI's website.



Find your RMU at [pacificlamprey.org/rmu](http://pacificlamprey.org/rmu)



Lamprey at Hayfork Creek, CA, 1963



PLCI funds lamprey restoration and research work every year! Learn more at [www.pacificlamprey.org](http://www.pacificlamprey.org)