

Pacific Lamprey (*Lampetra tridentata*)

Distribution

Historical distribution was presumed to be all waters occupied by chinook salmon. Idaho Fish and Game Department has implemented an active presence and absence inventory since 1999. Current known distributions within the Lower Salmon and Clearwater River basins are shown on the attached map.

Recent inventory (2002-2004) by IDFG has documented the absence of Pacific lamprey in locations where they were known to occur as recently as 1980's. These streams where Pacific lamprey are no longer found include Potlatch River, Musselshell Creek, and Lawyer Creek. Extensive IDFG sampling in Lolo Creek did not find lamprey ammocoetes, however Nez Perce Tribe biologists have documented few adults captured in fish traps. IDFG 1958 reports lamprey distributed throughout the North Fork Clearwater River. Pacific lamprey is now considered extirpated from the North Fork Clearwater River above Dworshak reservoir.

Population Status

Idaho Department of Fish and Game lists Pacific lamprey as an endangered species, a native species in danger of extinction throughout all or a significant portion of its Idaho range.

Population Risks and Threats

- Reduced number of returning adults because of downstream dams creating migration barriers to upstream migration.
- Habitat modifications, specifically increased sediment deposition within spawning and nursery streams.
- Non-native fish predation on ammocoetes.

Forest Plan Population Analysis Units

- Clearwater River upstream of the confluence of Potlatch River.
- Salmon River from Whitebird Creek upstream to Sabe Creek.

Data Sources:

Claire, Christopher, "Pacific Lamprey Larvae Life History, Habitat Utilization, and Distribution in the South Fork Clearwater River Drainage, Idaho", 2000-2002 Technical Report, Project No. 200002800, 87 electronic pages, (BPA Report DOE/BP-00004039-3)

Cochner, Tim Cochner, Christopher Claire - Idaho Department of Fish and Game, Evaluate Status Of Pacific Lamprey In The Clearwater River Drainage, Idaho Annual Report 2000, Report to Bonneville Power Administration, Contract No. 00000090, Project No. 200002800, 28 electronic pages (BPA Report DOE/BP-00000090-1)

Cochnauer, Tim, Christopher Claire, "Evaluate Status of Pacific Lamprey in the Clearwater River Drainage, Idaho", 2001 Annual Report, Project No. 200002800, 37 electronic pages, (BPA Report DOE/BP-00004039-1)

Cochnauer, Tim, Christopher Claire, "Evaluate Status of Pacific Lamprey in the Clearwater River Drainage, Idaho", 2002 Annual Report, Project No. 200002800, 48 electronic pages, (BPA Report DOE/BP-00004039-2).

Keating, James F. 1958. A final report on project F 15-R. A Federal Aid to Fisheries Project Clearwater River Fisheries Investigations. II. Trout Migration Studies. State of Idaho Department of Fish and Game. Boise, ID. 38 pp.

Northwest Power and Conservation Council (NPCC). 2003 Draft. Clearwater subbasin assessment. Available at <http://www.nwcouncil.org/fw/subbasinplanning/clearwater/plan/assessment.pdf>

Northwest Power and Conservation Council (NPCC). 2004 Draft. Salmon subbasin assessment. Available at <http://www.nwcouncil.org/fw/subbasinplanning/salmon/plan/SalmonAssessment.pdf>

Personal Communication with Chris Claire, Idaho Department of Fish and Game on October 4, 2004.

Personal Communication with Chris Claire, Idaho Department of Fish and Game on October 13, 2004.

Personal Communication with Chris Claire, Idaho Department of Fish and Game on November 8, 2004.

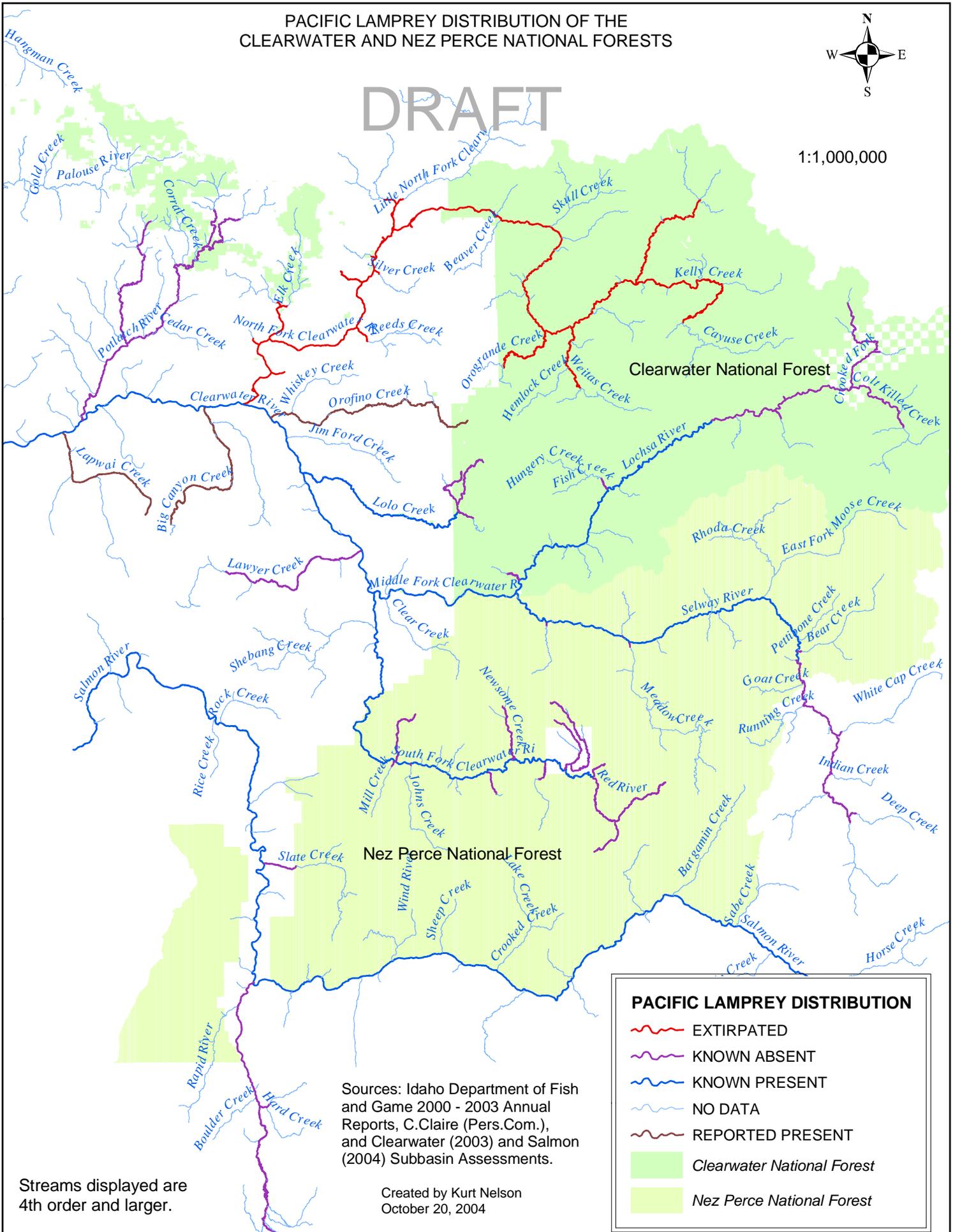
Quigley, T.M. and S.J. Arbelbide, technical editors. 1997c. An assessment of ecosystem components in the interior Columbia Basin and portions of the Klamath and Great Basins: Volume III. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. Portland, Oregon. Pp. 1271-1274.

PACIFIC LAMPREY DISTRIBUTION OF THE
CLEARWATER AND NEZ PERCE NATIONAL FORESTS



DRAFT

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PACIFIC LAMPREY DISTRIBUTION

-  EXTIRPATED
-  KNOWN ABSENT
-  KNOWN PRESENT
-  NO DATA
-  REPORTED PRESENT
-  Clearwater National Forest
-  Nez Perce National Forest

Sources: Idaho Department of Fish and Game 2000 - 2003 Annual Reports, C. Claire (Pers.Com.), and Clearwater (2003) and Salmon (2004) Subbasin Assessments.

Streams displayed are 4th order and larger.

Created by Kurt Nelson
October 20, 2004