

# Lower Granite Project Overview

## Quick Facts

- ▶ Stream: Snake River (River Mile 107.5)
- ▶ Location: near Pomeroy, Washington
- ▶ Owner: U.S. Army Corps of Engineers, Walla Walla District
- ▶ Authorized Purposes: Hydropower, Navigation (1945 Rivers and Harbors Act)
- ▶ Other Purposes: Fish & Wildlife, Recreation, Water Quality, Irrigation, and Flood Risk Management
- ▶ Type of Project: Run-of-River

## Dam

- ▶ Completed: 1975
- ▶ Structural Height: 151 feet
- ▶ Navigation Lift: 88 feet
- ▶ Length: 3,200 feet
- ▶ Features: Powerhouse, Spillway, Navigation Lock, Fish Passage Facilities
- ▶ Forebay Elevation Normal Operating Range: 733–738 feet mean sea level (m.s.l.)
- ▶ Spillway Capacity (max): 850,000 cubic feet per second (c.f.s.)
- ▶ Powerhouse Generation Capacity: 810 megawatts, 6 generator units
- ▶ Hydraulic Capacity: 130,000 c.f.s.



Lower Granite Lock and Dam was the fourth of four dams constructed as part of the Lower Snake River Project, authorized in the Rivers and Harbors Act of 1945. Construction began in 1965.

Lower Granite Lake extends from the dam upstream for 40 miles to Lewiston, Idaho. The Corps constructed roughly 8 miles of levees around Lewiston, Idaho, to help protect lives and property from potentially destructive high water conditions.

**Hydropower** - Lower Granite Dam has six 135-megawatt (MW) turbines, for a total generating capacity of 810 MW.

**Lower Granite Lock and Dam, Lower Granite Lake, and associated facilities are operated for Hydropower, Navigation, Fish & Wildlife, Recreation, Water Quality, Irrigation, and Flood Risk Management.**

**Navigation** - The Lower Granite navigation lock is the last of eight locks encountered in the Columbia-Snake Inland Waterway, a 465-mile river highway that allows barge transport of commodities between the Pacific Ocean and Lewiston, Idaho.

**Recreation** - Popular recreation activities around the dam and lake include fishing, swimming, picnicking, boating, hunting, and camping. There are several day-use areas, campsites, parks, habitat management units, boat launch facilities, and marinas.



**Fish and Wildlife** - Lower Granite Dam has one fish ladder to provide a passage route for upstream-migrating fish, including adult salmon and steelhead, lamprey, and others. The Corps manages about 7,000 acres at Lower Granite for fish and wildlife habitat purposes. These areas are commonly referred to as Habitat Management Units (HMUs). HMUs provide habitat for a variety of wildlife species. They also provide fishing, hunting, and nature-hiking opportunities for the public.