

Minto Fish Collection Facility Rebuild Fact Sheet

Location:

The Minto facility is four miles downstream of the Big Cliff reregulating dam and seven miles downstream of Detroit Dam on the north bank of the North Santiam River. The site is located on the boundary between Marion and Linn counties, and on the south side of State Highway 22.

Facility Footprint:

- 2.1 acres

Fish Ladder:

- Reinforced concrete, 440 ft long
- 52 pools
- One adult entrance, one small fish entrance

Pre-sort Pool:

- Reinforced concrete, inside dimensions: 65'x10'x10'
- Holds 750 adult fish max

Sort Building:

- Reinforced concrete structure, steel roof
- Contains office, conference room, visitor viewing area, fish food storage, and mech/elec room
- Sorting and spawning operations occur under the sort building roof
- Fish are sorted in pipes to one of these locations:
 - Post-sort pool for long term holding
 - Post-sort pool for short term holding
 - Return to river (upstream of barrier dam)
 - Anesthetic tank

Post-Sort Pools:

- Reinforced concrete, 8 holding ponds, inside dimensions: 75'x10'x10' each
- One pond holds 87,500 juvenile fish or 350 adult fish
- Post-sort channel, reinforced concrete, inside dimensions: 139'x6'x10'
 - Guides juveniles to the downstream release pipe, adults to the hopper structure for spawning, or adults to the hopper structure for outplanting

Intake and Pump Structure:

- Reinforced concrete, 132'x30'x25'
- Five pumps for facility water supply (1 pump is backup)
- Gravity for auxillary water supply to fish ladder entrance

Barrier Dam:

- Existing barrier dam, rockfill structure with a concrete cap
- 190 ft long, 6 ft wide crest
- Max height - 30 ft (above lowest foundation)
- Overflow weir

Ancillary Structures:

- Site Host Cover and Pad
- Generator and Generator Building
- Maintenance Shed
- Boat Portage Path