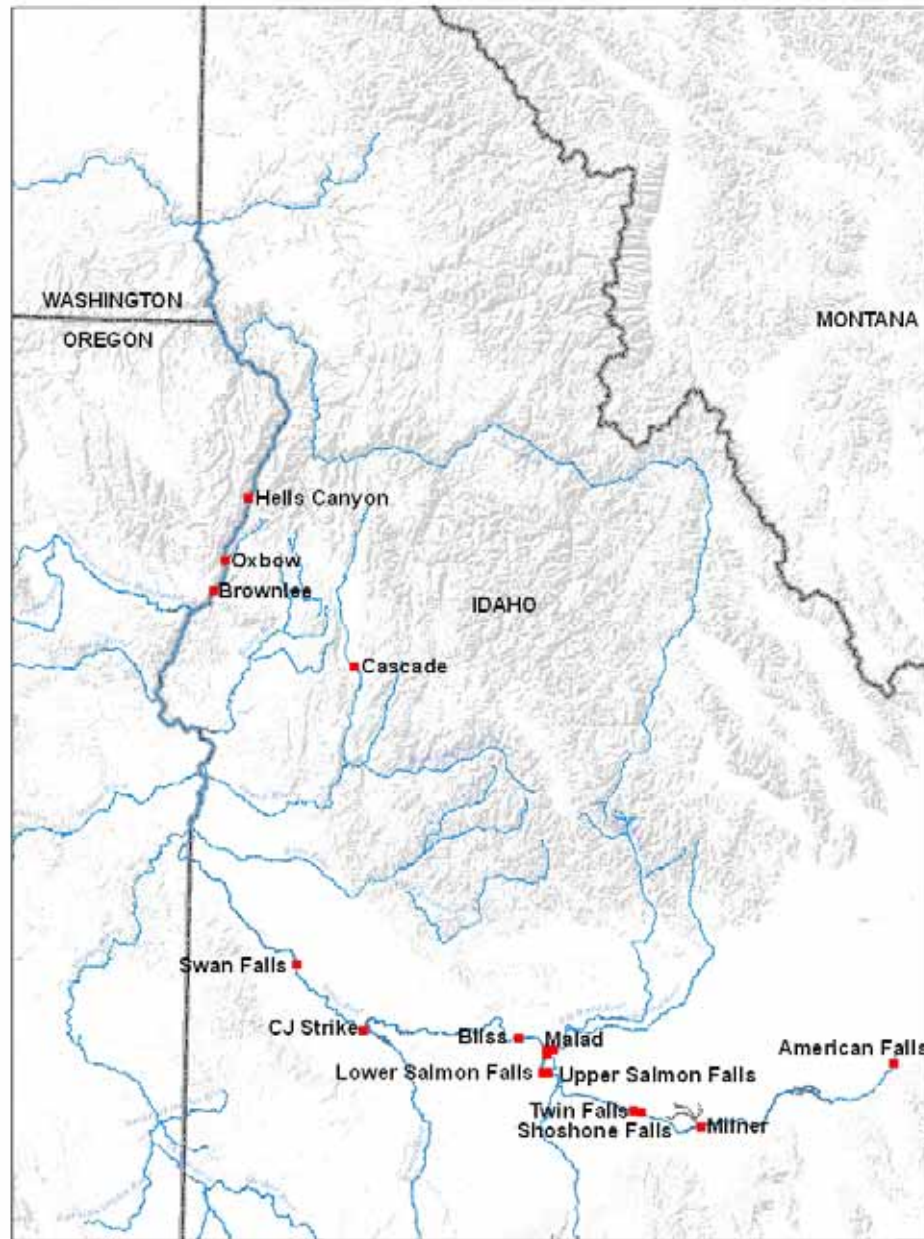




Relicensing and the Idaho Power Hatchery Mitigation Program

**NWHA Hatchery Mitigation Workshop
February 20, 2007**



WASHINGTON



Snake River

Clearwater River

IDAHO



Snake River

Salmon River

Oxbow
Fish Hatchery

Rapid River
Fish Hatchery

Pahsimeroi
Fish Hatchery



OREGON

Snake River

Niagara Springs
Fish Hatchery



Hatchery Goals



Oxbow Hatchery (1961)

- Production goal 1 million subyearling smolts.
- Intended to replace 17,000 adult fall chinook.
- Source of steelhead eggs for Niagara Springs.
- Fall chinook stock considered part of ESU.

Hatchery Goals

Rapid River Hatchery (1964)

- Intended to replace 2,700 adult spring chinook.
- Capacity to rear 3 million yearling smolts.
- Traditional harvest augmentation function.



Hatchery Goals



Niagara Springs Hatchery (1966)

- Production capacity for 400,000 pounds of smolts.
- Smolts are released into the Snake and Salmon river basins for harvest opportunity.
- Intended to replace 10,000 adult summer steelhead.

Hatchery Goals

Pahsimeroi Hatchery (1967)

- Adult trapping/spawning facility for summer steelhead.
- Capacity to rear 1 million summer chinook smolts.
- IDFG hatchery supplementation research.



Hatchery Evaluation Criteria

1. Ability to meet smolt production goals
2. Adult harvest contribution
3. Facility condition assessment
4. Assessment of hatchery impacts
5. Suitability of hatchery stocks for listed species recovery

Evaluation Findings

Smolt Production Goals

- Regularly at or near desired goals.

Adult Harvest Contribution

- Averages 12,500 steelhead and 5,400 spring chinook annually.

Facility Assessment

- Improvements are needed.

Hatchery Impacts

- Comprehensive M&E program is lacking.

Stock Assessment

- Two stocks suitable for species recovery.

FERC Draft Environmental Impact Statement

Maintain Current Smolt Production

- Continue to provide harvest opportunities.
- Continue hatchery supplementation.

Make Facility Improvements

- Incorporate latest technology for safety, efficiency and smolt quality.

Implement Evaluation Program

- Assess hatchery practices, ecological and genetic implications.

FERC Draft Environmental Impact Statement

Develop Hatchery Specific Fish Management Plans

- Integrates agency & tribal management goals.
- Comply with ESA requirements.
- Determine hatchery production based on agency & tribal goals.
- Develop plan for equitable distribution of surplus fish.
 - restoration efforts
 - cultural needs
 - recreational fisheries

What's Next?

- ✓ ESA consultation with NOAA & USFWS – in progress
- ✓ Final EIS – May 2007
- ✓ 401 Certification - February 2008
- ✓ Receive new license – 2008?

