Northwest Hydroelectric Association

*Migrating Towards Success: Case Studies for Fish*

Crystal Ball, Executive Manager, Fish & Wildlife Program
Bonneville Power Administration
February 2020
Fish & Wildlife Program Objectives

- Protect, mitigate, and enhance fish and wildlife affected by the construction and operation of federal dams
- Funding at or below the rate of inflation
- Promote regional collaboration for broad support of fish and wildlife actions
Percentage of spending for each program area

- Habitat Restoration/Protection: 41.8%
- Research, Monitoring and Evaluation: 28.6%
- Production (Supplementation): 13.9%
- Coordination (Local/Regional): 9.8%
- Predator Removal: 2.0%
- Data Management: 1.9%
- Harvest, Law Enforcemen & CRSO EIS: 2.0%
Project Partners
FY20 Portfolio Allocation

FY20 EW Expense Budget
$249.6M

$165.1M  $91.5M

FY20 F&W PROGRAM STAKEHOLDER GROUPS %

- Tribes: 5%
- State: 1%
- Federal: 11%
- Other: 11%
- Interstate Compact: 51%
- University: 21%

Agreements/Accords vs Non-Accord & Operating Costs
Habitat Area Lead Model:
- **Implements** EFW habitat program goals and objectives
- Provides **consistent, pro-active, accountable** and **predictable** performance
- **Cross-coordinated** internal BPA teams and local implementers - sponsors
- Supports an **integrated** Tributary Habitat Program management approach
Tributary Habitat Example, Grande Ronde Basin

- Upper Grande Ronde Watershed
- Birdtrack Springs Floodplain Restoration
Floodplain Restoration

Birdtrack Springs Floodplain Restoration

Birdtrack Springs Pre Project, Above, 2 Weeks Post Construction Below
Project Habitat Metrics

- 9,000 ft. main channel
- 9,500 ft. side channel
- 1,200 ft. alcove
- 2,000 ft. Floodplain Swale
- 17 Large main channel pools (10 pools/mile) - 900% increase
- 47 Medium side channel pools (26 pools/mile)
- 119 acres restored/planted floodplain
- 300+ large wood structures
- 250+ floodplain wood
- 3,700 ft. streambank bioengineering