

Work Elements by the numbers

Work Category

WE Number Work Element

BPA Internal Operations

- 1 BPA Environmental Compliance - External
- 2 BPA Environmental Compliance - Internal
- 3 Computer Purchase
- 4 Land Audit
- 5 Land Purchase
- 6 TBL Work

Data Management

- 7 Certify Data
- 8 Maintain Database
- 9 Produce Maps

Environmental Compliance

- 10 Conduct Hazardous Materials Survey
- 11 Obtain Cultural Resource Compliance
- 12 Obtain ESA Compliance - NOAA
- 13 Obtain ESA Compliance - USFWS
- 14 Obtain Permits
- 15 Prepare NEPA Checklist

Habitat / Passage O&M

- 16 Law Enforcement
- 17 Maintain Facility
- 18 Maintain Fence
- 19 Maintain Passage Structure
- 20 Maintain Roads
- 21 Maintain Structure
- 22 Maintain vegetation
- 23 Manage Passage Operations
- 24 Operate Facility
- 25 Operate Pump
- 26 Prevent Trespassing
- 27 Remove Debris
- 28 Trap and Haul

Habitat Improvement

- 29 Add Roughness/LWD
- 30 Channel Realignment
- 31 Conduct Controlled Burn
- 32 Create Water Gap
- 33 Decommission Road
- 34 Develop Alternative Water Source
- 35 Develop Pond
- 36 Develop Terrestrial Habitat Features
- 37 Excavate Spawning Channel
- 38 Improve Road

Work Category

WE Number Work Element

- 39 Install Cattle Guard
- 40 Install Fence
- 41 Install Gate
- 42 Install Tidegate
- 43 Install Water Control Structure
- 44 Nutrient Enhancement
- 45 Nutrient Reduction
- 46 Obliterate Road
- 47 Plant Vegetation
- 48 Practice No-till Seeding (BMP)
- 49 Reconnect Channel
- 50 Remove / Breach Dike
- 51 Remove Animals
- 52 Remove Mine Tailings
- 53 Remove vegetation
- 54 Stabilize Stream Bank
- 55 Upland Erosion and Sedimentation Control

Hatchery O&M

- 56 Acclimate Fish
- 57 Clean Rearing Ponds
- 58 Maintain Building(s)
- 59 Maintain Grounds
- 60 Produce Smolts from Captive Brood/Spawn
- 61 Release Adults/Captive Rearing to the Wild
- 62 Spawn Natural Non-Anadromous Adults
- 63 Spawn Returns of Anadromous Adults
- 64 Transport Fish

In-stream Passage Improvement

- 65 Install Bridge
- 66 Install Culvert
- 67 Install Diversion Fish Screen
- 68 Install Fish Trap
- 69 Install Flashboards
- 70 Install Headgate
- 71 Install Hooks and Barbs
- 72 Install Infiltration Gallery
- 73 Install Inflatable Dam
- 74 Install Jump Pools
- 75 Install Ladders
- 76 Install Pump
- 77 Install Pump Fish Screen
- 78 Install Siphon
- 79 Install Weir
- 80 Install Well
- 81 Notch Dam
- 82 Remove Diversion
- 83 Remove/Breach Dam
- 84 Water Exchange

Work Category ***WE Number Work Element***

Land Acquisition / Conservation Easement

- 85 Conduct HEP
- 86 Conduct Land Survey
- 87 Define Easement Terms and Conditions
- 88 Develop Capital Package
- 89 Identify Minimum Habitat Units
- 90 Lease Land
- 91 Perform Appraisal
- 92 Perform Title Search
- 93 Provide Legal Description
- 94 Purchase Easement
- 95 Purchase Fee Title Land

Other

- 96 Other

Planning and Coordination

- 97 Conduct Community Outreach
- 98 Construction Management
- 99 Create Facility Operation Manual
- 100 Develop Action Plan
- 101 Develop Annual Maintenance Plan (Facilities / Grounds)
- 102 Develop Bid Package
- 103 Develop Construction Plan
- 104 Develop Fish Passage Operations Plan
- 105 Develop Hatchery Operations Plan
- 106 Develop HGMP
- 107 Develop Implementation Plan
- 108 Develop Management Plan
- 109 Develop MOA
- 110 Develop Monitoring and Evaluation Plan
- 111 Develop Recovery Plan
- 112 Develop Subbasin Plan
- 113 Fund or sponsor Symposia / Workshop / Meeting
- 114 Identify and Select Projects
- 115 Inventory/Assess Habitat Conditions
- 116 Inventory/Assess Passage Impediments
- 117 Inventory/Assess Watershed
- 118 Landowner Coordination
- 119 Manage Projects
- 120 Prepare Feasibility Study
- 121 Prepare Implementation Design and Budget
- 122 Provide Technical Review
- 123 Regional Coordination

Predator Control

- 124 Administer Registration Sites
- 125 Coordinate Payments
- 126 Implement Removal Fisheries

Reporting

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Work Category

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- 127 Conduct Programmatic Review
- 128 Prepare / Submit Journal Article
- 129 Prepare Annual Property Inventory Report
- 130 Prepare Final / Close-out Report
- 131 Prepare Financial Estimates
- 132 Produce Annual Report
- 133 Produce BiOp / Metrics Report
- 134 Produce Daily Logs
- 135 Produce Data Analysis Report
- 136 Produce Findings / Research Report
- 137 Produce Milestone Report
- 138 Produce Monitoring and Evaluation Report
- 139 Produce NEPA / ESA Report
- 140 Produce Program Report
- 141 Produce Progress Report

Research, Monitoring, and Evaluation

- 142 Collect Data
- 143 Develop Methodology
- 144 Develop Resource Management Recommendations
- 145 Interpret Data
- 146 Mark Fish (CWT / Fin Clipping)
- 147 Submit Data to Regional Managers

Water Conservation

- 148 Install Flow Measuring Device
- 149 Install Pipeline
- 150 Install Sprinkler
- 151 Line Diversion Ditch

Water Rights Acquisition / Lease

- 152 Complete Water Entity Checklist
- 153 Lease Water Right
- 154 Negotiate Water Right Transaction
- 155 Purchase Water Right