

Work Elements with Glossary Terms

Work Category

BPA Internal Operations

WE #

Work Element

Glossary

1	BPA Environmental Compliance - External	Covers any work contracted out by KEC, the Environmental Compliance arm of BPA.
2	BPA Environmental Compliance - Internal	Covers any work completed internally by KEC, the Environmental Compliance arm of BPA.
3	Computer Purchase	Covers any direct purchase of computers external to a contract.
4	Land Audit	Covers the hazardous material/Phase 1 work done by Fred Walasavage's group usually in support of land acquisitions.
5	Land Purchase	Covers the direct wiring of money to escrow associated with real estate transactions.
6	TBL Work	Any work the Transmission Business Line provides in support of a Fish and Wildlife project. May include appraisal review, appraisals, help in development of an MOA, real estate negotiations, and GIS work.

Data Management

7	Certify Data
8	Maintain Database
9	Produce Maps

Environmental Compliance

10	Conduct Hazardous Materials Survey	Any work done by a contractor related to hazardous material land audits or Phase 1 review.
11	Obtain Cultural Resource Compliance	Any archeological work done by a contractor related to cultural resource surveys. May include either on the ground or literature surveys. Currently does not include work contracted out through KEC.
12	Obtain ESA Compliance - NOAA	Refers to work done by the contractor in support of complying with ESA regulations developed by NOAA. NOAA regulations cover threatened and endangered Anadromous fish. Covers both use of the programmatic HIP BO and the approach of developing an individual BA.
13	Obtain ESA Compliance - USFWS	Refers to work done by the contractor in support of complying with ESA regulations developed by USFWS. USFWS regulations cover threatened and endangered species of resident fish, plants, and animals.
14	Obtain Permits	Covers any work done by the contractor related to obtaining state, local, and federal permits.
15	Prepare NEPA Checklist	Covers all of the contractor's work in support of the completion of the NEPA checklist.

Work Category

Habitat / Passage O&M

WE #

Work Element

Glossary

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

Work Category
Habitat Improvement

WE #	Work Element	Glossary
29	Add Roughness/LWD	Work to add natural materials in-stream to create habitat features. (change WE title to make it clarify that the work is in-stream. We're thinking about "Add Instream Habitat Features" LWD, roughness, rip-rap, and rock gabions).
30	Channel Realignment	Any attempt to add sinuosity, meander, or otherwise return stream channel to natural state.
31	Conduct Controlled Burn	Use of fire to improve habitat.
32	Create Water Gap	
33	Decommission Road	
34	Develop Alternative Water Source	Includes watering troughs, spring development...
35	Develop Pond	Build a pond, most frequently for the purpose of benefiting resident fish.
36	Develop Terrestrial Habitat Features	Install nesting boxes, ...
37	Excavate Spawning Channel	Most often associated with Chum Salmon, is work to improve a channel by digging, dredging, etc. May or may not be a channel was used historically. May also include work to add material conducive to spawning activities.
38	Improve Road	
39	Install Cattle Guard	Work to install various types of cattle guards. This activity may include the project design. Or, project design for fencing may be in the xyz work element, if the project is extremely large.
40	Install Fence	Work to install various types of fence. This activity may include the project design. Or, project design for fencing may be in the xyz work element, if the project is extremely large.
41	Install Gate	(Combine with fence work element to make "install fence and/or gate")
42	Install Tidegate	Usually refers to the installation of a modified Tidegate. Could either be replacement of a pre-existing Tidegate or the installation of a new one. It is anticipated that project design work will be captured in a separate work element, due to the magnitude of the design task. O+M is usually required by is often not paid for by BPA.
43	Install Water Control Structure	Usually refers to the creation of a wetland. Often requires O+M once the structure is in place, which may or may not be paid for by BPA.
44	Nutrient Enhancement	May involve the addition of either carcasses or direct nutrient introduction via a fertilizer.
45	Nutrient Reduction	Usually designed to reduce algal blooms.
46	Obliterate Road	
47	Plant Vegetation	Install plants for the purposes of either erosion control or shading. May be riparian or upland in nature. Often requires O+M.

Work Category

WE #

Work Element

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
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

Glossary

Includes no-till or direct seed for any agricultural programs designed to reduce erosion or sedimentation.

Usually involves removal of material in order to re-connect channels to historical configuration.

Any operation to remove part or all of a dike. Also may include the installation of a cross-dike.

Work to remove an undesirable animal species for an area. Is often work to remove exotic species of fish. May be work to remove undesirable native species of animal.

Work to remove remnant landscape effects from old mining operations. Could be terrestrial or aquatic in nature.

Work to remove an undesirable plant species for an area. Is often work to remove exotic or non-native species of plants. May also be work to remove undesirable native plant species.

Any attempt to reduce stream bank erosion. May include the addition of LWD, roughness, rip-rap, and rock gabions. May or may not include some amount of plantings. For large planting efforts see "Install Plant Vegetation".

Hatchery O&M

<i>Work Category</i>	<i>WE #</i>	<i>Work Element</i>	<i>Glossary</i>
<i>In-stream Passage Improvement</i>			
	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	
<i>Land Acquisition / Conservation Easement</i>			
	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	
<i>Other</i>			
	96	Other	

Work Category
Planning and Coordination

WE #	Work Element	Glossary
97	Conduct Community Outreach	
98	Construction Management	Oversight of construction activities. Usually only used on larger construction activities where the construction and construction management are split out. Also includes bidding the work, supporting land negotiations, What else?
99	Create Facility Operation Manual	The development of a manual to support the O and M of a facility post-construction.
100	Develop Action Plan	Usually a large, regionally coordinated plan focused on a specific type of activity in a specific area such as habitat restoration in the estuary. Often in association with the FCRPS Biological Opinion.
101	Develop Annual Maintenance Plan (Facilities / Grounds)	
102	Develop Bid Package	
103	Develop Construction Plan	
104	Develop Fish Passage Operations Plan	A plan developed to coordinate the operation of multiple passage facilities often operated by multiple parties.
105	Develop Hatchery Operations Plan	
106	Develop HGMP	Hatchery Genetic Management Plan
107	Develop Implementation Plan	
108	Develop Management Plan	Covers the development of Wildlife Management Plans, Land-use Management Plans, ...
109	Develop MOA	Memorandum of Agreement - often associated with land acquisitions, construction easements.
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	Covers work by the contractor to identify, prioritize, asses, and ultimately select projects. Often associated with Model Watersheds, or habitat restoration programs that coordinate multiple projects within a larger umbrella project.
115	Inventory/Assess Habitat Conditions	
116	Inventory/Assess Passage Impediments	
117	Inventory/Assess Watershed	
118	Landowner Coordination	
119	Manage Projects	Covers work by the contractor to manage on the ground efforts, or to manage subcontractors associated with the project.
120	Prepare Feasibility Study	Preliminary study to determine the feasibility of a project. Often at a more conceptual stage than - Prepare Implementation Design and Budget
121	Prepare Implementation Design and Budget	

Work Category

WE #

Work Element

Glossary

122 Provide Technical Review

The development of technical details, engineering plans, etc and their associated costs prior to implementation or construction. Usually used on larger construction or habitat restoration projects.

Predator Control

123 Regional Coordination

124 Administer Registration Sites

125 Coordinate Payments

126 Implement Removal Fisheries

Reporting

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

Work Category

WE #

Work Element

Glossary

Water Rights Acquisition / Lease

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