Appendix A. Introduction and List of Specific Project Information Forms (SPIFs)

Each project is required to submit the applicable Specific Project Information Forms (SPIFs), which are based on the construction methods described in SBE Section 3. The SPIFs are listed below and each form is provided in this Appendix A.

Begin by filling out the SPIF Cover Page. The Cover Page provides basic project information and lists the additional individual SPIFs applicable to the project, which also need to be filled out.

In addition, fill out one of the two Effects Templates given in Appendix B for a project effects determination. These forms provide an analysis for a determination of effects to ESA-listed species, their federally-designated critical habitat and to Essential Fish Habitat (EFH). Jim Muck[1] will be able to assist you with the determination and in filling out the forms.

The SPIF Cover Page, all other appropriate SPIFs and the appropriate effects determination should be submitted to Jim Muck for review and approval. Once approved and signed, attach the package to the JARPA and submit it all to the US Corps of Engineers for permit processing.

List of SPIFs

SPIF Cover Page

Method 1: Delineation of Work Areas and Project Startup

Method 2: Clearing, Grubbing, Grading, and Placement of Temporary Fill

Method 3: Work Area Isolation and Fish Removal in Streams, Large Waterbodies and for Pipe Bypass

- 3A1: Temporary Bypass for Stream Flow: Partial Channel
- 3A2: Temporary Bypass for Stream Flow: Full Channel
- 3A3: Isolating Work Areas in Large Waterbodies
- 3B: Isolation/Bypassing of Piped Infrastructure

Method 4: Pipe, Culvert and Outfall Installation, Removal and Replacement

Method 5: Vactoring, Jetting, and Excavating Accumulated Sediments; Debris, Sediment Test Boring; and Pipe, Culvert, and Bridge Maintenance

- 5A: Vactoring and Jetting
- 5B: In-water Excavating
- 5C: Sediment Test Boring

[1] Under an Agreement between the City of Seattle, the US Fish and Wildlife Service and the National Oceanic and Atmospheric Administration (NOAA) Fisheries, Jim Muck (206-526-4740, Jim.Muck@NOAA.gov) provides ESA services to City of Seattle staff.

5D: Pipe, Culvert and Bridge Maintenance

Method 6: Bank Stabilization

6A: Demolish Bulkheads, Revetments, Groins

6B: Construct Sheet Pile Bulkhead

6C: Construct Cast-in-place Concrete Bulkhead

6D: Construct Log or Rock Toe

6E: Biotechnical Stabilization

6F: Repair Bulkheads

Method 7: Habitat Addition and Maintenance

7A: Large Woody Material

7B: Boulders and Boulder Clusters

7C: Weirs or Groins

Method 8: Beach Nourishment and Substrate Addition

8A: Beach Nourishment

8B: Substrate Addition

Method 9: Boat Launch Improvement, Repair and Maintenance

9A: Fill Prop Wash Holes

9B: Replace Ballast, Edge Armoring and Concrete Panels

Repair Concrete Panels

9C: Pressure Washing Boat Ramps

Method 10: In-water and Overwater Structure Repair and Replacement

10A: Piling

10B: Anchor and Chain Systems

10C: Superstructure, Decking and Utilities on Fixed Structures

10D: Floats and Gangways

10E: Floating Log Boom

10F: Buoys

10G: Fixed Breakwaters

10H: Highway or Road Bridge Foundation or Footing Repair

10I: Removal of Plants and Animals from Pilings for Inspection or Repair

Method 11: Seawall Repair and Maintenance

Method 12: Site Restoration

Method 13: Landscaping and Planting