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

# 3A3: *Isolating Work Areas in Large Waterbodies*

**Project Title**:

**Project CIP Number:**

**Project Manager:**

**Phone Number:**

*See Section 3 of the SBE, Method 3 for a complete description of the activity and conservation measures for this method. You need this information to fill out this form.*

Isolating Work Areas in Large Waterbodies

1. What methods will be used to isolate the waterbody?

Silt curtain, sediment curtain, or filter fabric

Sand or gravel bags

Sheet piles

Ecology blocks

K-frames or steel support frames

Other (describe):

2. Will the area be dewatered?

No  Yes  Other (describe):

3. Will pumping be necessary?  No  Yes

If yes, what method will be used to treat water prior to discharge?

4. If area is not dewatered, will divers be used to verify that the area is totally isolated from the rest of the waterbody?  No  Yes If not, identify how the verification of complete isolation will occur?

5. Is the area to be isolated the minimum amount of area needed to construct the project?  No  Yes

6. Provide additional information (if any) on this construction method:

Fish Removal and Handling

1. Will fish be removed out of the isolated area?  No  Yes

If so, what method will be used to capture fish (see Table 4-6, page 4-11 of SBE)?

Minnow traps Seining Dip nets Electrofishing

2. What is the maximum depth within the isolated area?

3. Will the fish removal method collect fish throughout the water column within the isolated area?  No  Yes If not, how will it be determined that all fish are removed from inside the isolated area?

4. Will the method used to isolate the area be installed in a manner that avoids or minimizes fish being isolated within the work area?  No  Yes If yes, explain procedure:

5. Will applicable methods in Tables 4-5, 4-6, and 4-7, pages 4-10 through 4-12 of the SBE, (fish transfer, storage, and release method) be followed?  Yes  No If no, explain:

6. Will all methods in Table 3-1, page 3-13 of the SBE, (stream flow diversion technique) be followed?  Yes  No If no, explain:

7. Will the intake structure have appropriately sized fish screening per NMFS’ Juvenile Fish Screen Criteria and Pump Intake Screen Guidelines?  Yes  No

If no, explain:

**Rewatering Work Area (do not fill out if work area will not be dewatered)**

1. Will rewatering of work area occur slowly and stepwise fashion to minimize sediment impacts downstream?  Yes  No If no, explain how the water will be reintroduced into the work area:

Conservation Measures

The following table identifies the conservation measures for Method 3A3. The table provides only a brief summary of the conservation measures. See Section 4 of the SBE for a complete description of each conservation measure. To obtain programmatic coverage by the Corps and Services for projects using this method, your project must include all conservation measures identified below (see Section 10, SBE). If, for some reason, a conservation measure is not applicable, or will not be used, you MUST provide a reason the conservation measure is not applicable or will not be used in the “Provide additional information” section below. Provide any additional conservation measures that may be implemented but are not listed. These may be found in Section 4 of the SBE or in the City Standard Specifications.

|  |  |  |
| --- | --- | --- |
| **Conservation Measures** | **Description** | **Included in**  **Project?** |
| 31 | Follow proper work area isolation measures |  |
| 32 | Follow proper fish capture and handling measures |  |

Provide any additional information on Conservation Measures used or not used for this Method: