# Method 8: Beach Nourishment and Substrate Addition 8B: Substrate Addition

**Project Title:**

**Project CIP Number:**

*See Section 3 of the SBE, Method 8 for a complete description of the activity and conservation measures for this method. You need this information to fill out this form.*

Substrate Addition

1. Indicate the type, quantity and footprint of material and the gradient of the streambed onto which the material will be placed.

| Yes | No | Type of Material | Quantity of Material | Footprint of Material | Stream Gradient |
| --- | --- | --- | --- | --- | --- |
|  |  | Clean gravel | yd3 | Length        Width | % |
|  |  | Clean cobble | yd3 | Length        Width | % |
|  |  | Other: | yd3 | Length        Width | % |

2. Describe purpose of substrate addition (e.g., *stream bed material, spawning gravel, etc.*):

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

Conservation Measures

The following table contains the conservation measures identified for Method 8B. The table only provides a brief summary of the conservation measures. Please see Section 4 of the SBE for a complete description of each conservation measure. To get programmatic coverage by the Corps and Services for projects using this method, all conservation measures identified below must be included with the project (see Section 10 of the 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: Conservation Measures of the SBE or in the City Standard Specifications.

| **Conservation Measures** | **Description** | **Included in**  **Project?** |
| --- | --- | --- |
| 1 | Approved work windows |  |
| 4 | Maintain a spill kit onsite |  |
| 15 | Clean equipment that will work below the OHW or MHHW lines or in riparian or shoreline areas |  |
| 16 | Fuel equipment in staging areas |  |
| 18 | Use vegetable-based hydraulic fluid when equipment operates in sensitive areas |  |
| 27 | Place erosion and water quality control devices prior to beginning of work |  |
| 28 | If mechanized equipment is used within the OHW or MHHW, only an extension arm with bucket or similar attachment shall enter the water. Conduct debris removal and work below OHW or MHHW during low water levels (fresh waters) or at low tide (marine waters) |  |
| 29 | Confine use of equipment operating below OHW or MHHW to designated access corridors |  |
| 57 | Perform all work in the dry when possible |  |
| 58 | Conduct work during minus tides or low water levels |  |
| 59 | Use clean, washed material |  |
| 62 | Do not ground or rest construction barge on substrate or on vegetation |  |
| 66 | Use clean, washed beach material |  |

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