|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Downstream Systems Requirements for Preservation of Coarse Sediment Supply** | | | **Form I-7** | |
| When it has been determined that potential critical coarse sediment yield areas exist within the project site, the next step is to determine whether downstream systems would be sensitive to reduction of coarse sediment yield from the project site. Use this form to document the evaluation of downstream systems requirements for preservation of coarse sediment supply. | | | | |
| Project Name: | | | | |
| Project Tracking Number / Permit Application Number: | | | | |
| 1 | Will the project discharge runoff to a hardened MS4 system (pipe or lined channel) or an un-lined channel? | Hardened MS4 system | | Go to 2 |
| Un-lined channel | | Go to 4 |
| 2 | Will the hardened MS4 system convey sediment (e.g., a concrete-lined channel with steep slope and cleansing velocity) or sink sediment (e.g., flat slopes, constrictions, treatment BMPs, or ponds with restricted outlets within the system will trap sediment and not allow conveyance of coarse sediment from the project site to an un-lined system). | Convey | | Go to 3 |
| Sink | | Go to 7 |
| 3 | What kind of receiving water will the hardened MS4 system convey the sediment to? | Un-lined channel | | Go to 4 |
| Lake  Reservoir  Bay | | Go to 7 |
| Lagoon  Ocean | | Go to 6 |
| 4 | Is the un-lined channel impacted by deposition of sediment? This condition must be documented by the local agency. | Yes | | Go to 7 |
| No | | Go to 5 |
| 5 | End – Preserve coarse sediment supply to protect un-lined channels from accelerated erosion due to reduction of coarse sediment yield from the project site unless further investigation determines the sediment is not critical to the receiving stream. Sediment that is critical to receiving streams is the sediment that is a significant source of bed material to the receiving stream (bed sediment supply) (see Section 6.2.3 and Appendix H.2 of the manual). | | | | |
| 6 | End – Provide management measures for preservation of coarse sediment supply (protect beach sand supply). | | | | |
| 7 | End – Downstream system does not warrant preservation of coarse sediment supply, no measures for protection of critical coarse sediment yield areas onsite are necessary. Use the space below to describe the basis for this finding for the project. | | | | |