

**TABLE X
SUMMARY OF 'MINIMAL THREAT' FLOOD CONTROL ROUTINE MAINTENANCE ACTIVITIES**

ACTIVITY ¹	SEDIMENT AND DEBRIS REMOVAL			VEGETATION MANAGEMENT			MAINTENANCE, REPAIR, REHAB, AND REPLACEMENT OF STRUCTURES						BANK STABILIZATION		TEMPORARY WATER DIVERSIONS	
Facility	Concrete-lined Channel	In-Channel Silt Basins	Natural Channel ²	Hand or Low-impact Removal	Vegetation Management Plan	Enhancement Projects	Maintenance, Repair, or Rehab of Weirs and Gates	In-kind Replacement of Weirs or Gates	Replacement of Culverts	Bridge Replacement	Maintenance, Repair or In-kind Replacement of Piers and Pilings	Maintenance or Repair of Basins	Debris Removal in Front of Structures	Repair or Replacement with In-kind Structures; New Stabilization	Installation of Hardscape	Temporary Water Diversions
Conditions	1) ~3,000 linear feet/year.	1) ~2 acres		1) No substantial disturbance of root systems; no mechanized activities re-depositing excavated soil material. 2) No use of heavy tracked or rubber-tired equipment except those identified in the "BMP Manual." 3) Minimize disturbance to channel; no erosion or additional sedimentation. 4) Prune to remove lower brushy growth and encourage higher canopy development. 5) Do not exceed that necessary to accommodate the design flows. 6) Meet flood capacity objective while maximizing vegetation functions.	1) Identify specific maintenance activities facilitating or preserving a targeted vegetation cover type or succession of cover types. 2) Use watershed specific and appropriate California native species.	1) Vegetate bare soils with native species; use erosion control methods following removal of invasive or exotic species. 2) Use watershed specific and appropriate California native species.	1) No increase in facility footprint. 2) Develop and implement corrective action plan for improper operating culverts; activities in correction action plan are not covered.	1) Replacement is limited to currently serviceable structures. 2) Develop and implement corrective action plan for improper operating culverts; activities in correction action plan are not covered. 3) Minor deviations in configuration or filled area which are necessary for replacement are allowed provided adverse impacts are minimal.	1) Arched culvert must have an earthen bottom. 2) Concrete must be allowed to cure before restoring stream flow	1) Replacement must be consistent with Corps NWP 14 conditions. 2) Minimal impact on riparian and aquatic habitats.	1) No treatment with crossote; must be constructed with or treated with materials approved by CDFG.	1) Minimize discharge of sediment or other pollutants downstream.	1) Delineate work area. 2) Retain woody material unless a structure, design flow or access is compromised.	1) ≤ 500 feet. 2) Part of a single and complete project. 3) No grouted rip-rap, sackrete, concrete blocks and mattresses, galleons, and gumite for new construction.	1) Conduct an analysis of the failure and justification for use of hardscape. 2) Incorporate native riparian vegetation where channel design allow.	1) Restore channel unless the project includes realignment or configuration of to provide increased stability and habitat values and functions. 2) Maintain passage for anadromous fish.
Monitoring Requirement	1) Before, during and after photo documentation. 2) Water quality sampling and assessment of BMPs.	See concrete-lined channel.		1) Before and after photo documentation.	No monitoring.	No monitoring.					No monitoring.					1) Before, during and after photo documentation.
Reporting Requirement	1) List what, when and where. 2) Identify implemented site specific BMPs. 3) Statement of BMPs effectiveness. 4) Submit photographs and assessment.	See concrete-lined channel.		1) List what, when and where. 2) Identify implemented site specific BMPs. 3) Statement of BMPs effectiveness.	1) List what, when and where.	1) List what, when and where.					1) List what, when and where. 2) Identify implemented site specific BMPs. 3) Statement of BMPs effectiveness.					1) List what, when and where. 2) Identify implemented site specific BMPs. 3) Statement of BMPs effectiveness.

1. Activities, facilities, conditions, monitoring and reporting requirements are from the *Draft Channel Maintenance Activities which Pose Minimal Threat to Water Quality and Beneficial Uses*, September 11, 2003. (Note to reviewers: Additional monitoring and reporting requirements may be added as biological assessment further developed.)
2. Reference Corps general permit, if available.