Bay Delta Initiative
SECTION 4 – Core Conservation Practices

Conservation practices are determined based on resource concern addressed.

Table 4a. Core Conservation Practices by Resource Concern: Water Quantity

Water Quantity: Water Conservation on irrigated cropland (including orchards, vineyards, and small grains)

Conservation Practice	Practice Code	Unit	Principal Purpose/Concern
Irrigation Water Conveyance	430	ft	Inefficient Water Use on Irrigated Land
Irrigation System, Micro/Sprinkler/Flood	441, 442, 443	ac	Inefficient Water Use on Irrigated Land
Watering Facility	614	no	Reduced Capacity of Conveyances by Sediment Deposition
Irrigation Water Management	449	ac	Inefficient Water Use on Irrigated Land
Irrigation Land Leveling	464	ac	Inefficient Water Use on Irrigated Land
Dam, Diversion	348	no	Inefficient Water Use on Irrigated Land/Excessive Subsurface Water
Pumping Plant	533	no	Inefficient Water Use on Irrigated/Non Irrigated Land
Irrigation System Tail Water Recovery	447	ft	Inefficient Water Use on Irrigated Land
Irrigation Water Conveyance Ditch/Canal Lining	448A, B, C	ft	Inefficient Water Use on Irrigated Land
Pipeline	512	ft	Inefficient Water Use on Irrigated Land
Structure for Water Control	587	no	Inefficient Water Use on Irrigated Land

Data Source: *2011 NRCS National Conservation Planning database (NCPD).*

Table 4b. Core Conservation Practices by Resource Concern: Water Quality

Water Quality: Water Conservation on irrigated cropland (including orchards, vineyards, small grains) and dairies

Conservation Practice	Practice Code	Unit	Principal Purpose/Concern
Irrigation Water Management	449	ac	Excessive Nutrient, Salinity, and Organics in Surface Water
Integrated Pest Management	595	ac	Harmful Levels of Pesticides in Surface and Ground Water
Nutrient Management	590	ac	Excessive Nutrients and Organics in Surface and Ground Water
Wetland Wildlife Habitat Management	644	ac	Excessive Suspended Sediment and Turbidity in Surface Water
Cover Crop	340	ac	Excessive Nutrients and Organics in Surface and Ground Water
Grassed Waterway	412	ac	Excessive Nutrients and Organics in Surface Water
Filter Strip	393	ac	Excessive Nutrients and Organics in Surface Water
Field Borders	386	ac	Harmful Levels of Pathogens in Surface Water
Residue Management	344, 345,346	ac	Harmful Levels of Pesticides in Surface Water
Watering Facility	614	no	Harmful Levels of Pathogens in Surface Water
Agrichemical Handling Facility	309	no	Excessive Nutrients, Organics, and Pesticides in Surface Water
Water & Sediment Control Basin	638	no	Excessive Suspended Sediment & Turbidity in Surface Waters
Sediment Basin	350	no	Excessive Suspended Sediment & Turbidity in Surface Waters
Structure for Water Control - Fish Screen	587	no	Threatened and Endangered Species
Riparian Herbaceous Cover	390	ac	Excessive Suspended Sediment & Turbidity in Surface Waters
Critical Area Planting	342	ac	Excessive Suspended Sediment & Turbidity in Surface Waters
Riparian Forest Buffer	391	ac	Harmful Temperatures in Surface Water
Stream Habitat Improvement & Management	395	ac	Harmful Temperatures in Surface Water
Drainage Water Management	554	ac	Excessive Nutrients and Organics in Surface Water
Conservation Cover	327	ac	Excessive Suspended Sediment & Turbidity in Surface Waters
Channel Bed Stabilization	584	ft	Excessive Suspended Sediment & Turbidity in Surface Waters

Data Source (Table 4b): *2011 NRCS National Conservation Planning database (NCPD).*

Table 4c. Core Conservation Practices by Resource Concern: Wetland Habitat Restoration

Conservation Practice	Practice Code	Unit	Principal Purpose/Concern
Access Control	472	ac	Inadequate Cover/Shelter - Habitat Fragmentation
Early Successional Habitat Development/Management	647	ac	Imbalance Among and Within Populations
Wetland Wildlife Habitat Management*	644	ac	Inadequate Cover/Shelter, Food, Space, Water
Restoration and Management of Rare or Declining Habitats	643	ac	T&E Species: Declining Species, Species of Concern
Wetland Creation, Restoration, Enhancement*	657, 658, 659	ac	Inadequate Cover/Shelter, Food, Space, Water/ Habitat Fragmentation
Structure for Water Control	587	no	Inadequate Cover/Shelter, Food, Space, Water
Grade Stabilization Structure	410	no	Inadequate Cover/Shelter, Food, Space, Water
Dike	365	ft	Inadequate Cover/Shelter, Food, Space, Water
Stream Habitat Improvement and Management	395	ac	Inadequate Cover/Shelter/Food/Space
*Meadows			

Data Source: *2011 NRCS National Conservation Planning database (NCPD).*