Standard Checklist

Name of Riparian – Wetland Area: Carmel River Watershed – San Clemente Dam Area

Date: 6/30/04   Segment/Reach ID: 23-Carmel River at the Sleepy Hollow
                       Steelhead Rearing Facility

Miles: Acres: Coordinates: Begin 5762708 E   2059703 N
                                              End   5764962 E   2053026 N

ID Team Observers: Thomas Christensen and Paul Watters

Yes	No	N/A	HYDROLOGY
X			1) Floodplain above bankfull is inundated in "relatively frequent" events
		X	2) Where beaver dams are present they are active and stable
X			3) Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
X			4) Riparian-wetland area is widening or has achieved potential extent
X			5) Upland watershed is not contributing to riparian-wetland degradation

Yes	No	N/A	VEGETATION
X			6) There is diverse age-class distribution of riparian-wetland vegetation (recruitment for maintenance/recovery)
X			7) There is diverse composition of riparian-wetland vegetation (for maintenance/recovery)
X			8) Species present indicate maintenance of riparian-wetland vegetation (for maintenance/recovery)
X			9) Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high-streamflow events
X			10) Riparian-wetland plants exhibit high vigor
X			11) Adequate riparian-wetland vegetative cover is present to protect banks and dissipate energy during high flows
X			12) Plant communities are an adequate source of coarse and/or large woody material (for maintenance/recovery)

Yes	No	N/A	EROSION/DEPOSITION
X			13) Floodplain and channel characteristics (i.e., rocks, overflow channels, coarse and/or large woody material) are adequate to dissipate energy
X			14) Point bars are revegetating with riparian-wetland vegetation
X			15) Lateral stream movement is associated with natural sinuosity
X			16) System is vertically stable
X			17) Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

Remarks

San Clemente Dam is almost completely filled in with sediment. Reservoir drawdown in the spring required by the Department of Safety of Dams has caused an increase in turbidity downstream of the dam in the Carmel River. Riparian plants in this reach consist of white alders, black cottonwoods, sycamores, red, and arroyo willows.

Summary Determination

Functional Rating:

Proper Functioning Condition	__X__
Functional – At Risk	_____
Nonfunctional	_____
Unknown	_____

Trend for Functional – At Risk:

Upward	_____
Downward	_____
Not Apparent	_____

Are factors contributing to unacceptable conditions outside the control of the manager?

Yes	___
No	___

If yes, what are those factors?

__ Flow regulations   __ Mining activities   __ Upstream channel conditions
__ Channelization   __ Road encroachment   __ Oil field water discharge
__ Augmented flows   __ Other (specify) _____