## **Standard Checklist**

Name of Riparian - Wetland Area: Carmel River Watershed - Highway One Bridge Area

Date: 5/11/04 Segment/Reach ID: 2-Carmel River at Highway One Bridge

Miles: Acres: Coordinates: Begin 5704797 E 2092430 N

End 5709252 E 2091080 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

Primary riparian vegetation includes: black cottonwood, red and arroyo willow, and western sycamore. This reach is constrained on the north and south bank because of historic levees, designed to protect against flooding. The south levee has portions cut out to allow flood waters to move onto the southern floodplain (Cal-Trans Restoration Project).

Sum	mary D	etermi	nation							
Functional Rating:										
Proper Functioning Condition Functional – At Risk Nonfunctional Unknown	c l	<u>X</u>	-							
Trend for Functional – At Risk:										
Upward Downward Not Apparen	d									
Are factors contributing to unacceptable conditions outside the control of the manager?										
	Yes No	<u>X</u>								
If yes, what are those factors?										
Flow regulations Mining acti Channelization Road encro Augmented flows Other (spec	achmer	nt	Oil field water discharge							

