Standard Checklist

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

Date: 5/11/04 Segment/Reach ID: 1-Carmel River 1/4 mile downstream of

Highway One Bridge

Miles: Acres: Coordinates: Begin 5701465 E 2091407 N

End 5704837 E 2092419 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 ou
to allow flood waters to move onto the southern floodplain (Cal-Trans Restoration
Project).

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Summary	Determination
Functional Rating:	
T directional realing.	
Proper Functioning Condition	_ <u>X</u>
Functional – At Risk	
Nonfunctional	
Unknown	
Trend for Functional – At Risk:	
Upward	
Downward	
Not Apparent	
Are factors contributing to unacceptable co	onditions outside the control of the manager?
	Ş
Yes	
No	<u>X</u>
If yes, what are those factors?	
Flow regulations Mining activities	Upstream channel conditions
Channelization Road encroachme	ent Oil field water discharge
Augmented flows Other (specify) _	

