Standard Checklist

Name of Riparian - Wetland Area: Carmel River Watershed - Rancho San Carlos Road

Date: 7/1/04 Segment/Reach ID: 7-Carmel River 1/4 mile downstream of Rancho

San Carlos Road Bridge

Miles: Acres: Coordinates: Begin 5717269 E 2091684 N

End 5721994 E 2089635 N

ID Team Observers: Thomas Christensen and Larry Hampson

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

The Carmel River reach next to Cal-Am's Rancho San Carlos Well used to be heavily impacted by groundwater extraction. Currently this well is out of production because it was deemed under the influence of surface water, which requires special surface water treatment facilities that do not exist in the area. The mature black cottonwood and willow riparian area is one of the more developed riparian forests in the area. Currently the area is somewhat impacted by groundwater extraction by Cal-Am's Rancho Cañada Well.

Summary I	Determination
Functional Rating:	
Proper Functioning Condition Functional – At Risk Nonfunctional Unknown	_ <u>X</u>
Trend for Functional – At Risk:	
Upward Downward Not Apparent	
Are factors contributing to unacceptable cor Yes No	
If yes, what are those factors?	
Flow regulations Mining activities Channelization Road encroachme Other (specify)	ent Oil field water discharge

