Standard Checklist

Name of Riparian - Wetland Area: Carmel River Watershed - Garland Park Area

Date: 6/2/04 Segment/Reach ID: 17-Carmel River just downstream of Carmel

River Ranch foot bridge

Miles: Acres: Coordinates: Begin 5749492 E 2079400 N

End 5749938 E 2077842 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

Primary riparian vegetation includes: black cottonwoods, red and arroyo willows, white alders, and western sycamore. This particular reach has rip-rap on the right bank. Willows are also topped at the Carmel River Ranch so guests have a view of the river.

Summary 1	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 co	nditions outside the control of the manager?
Yes No	<u>X</u>
If yes, what are those factors?	
Flow regulations Mining activities Channelization Road encroachme Augmented flows Other (specify)	ent Oil field water discharge

