Standard Checklist

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

Date: 6/2/04 Segment/Reach ID: 18-Carmel River at cliff area just upstream of

Garland Park

Miles: Acres: Coordinates: Begin 5749938 E 2077842 N

End 5751342 E 2075229 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, Santa Barbara sedge, and western sycamore. The canopy in this reach creates lots of shade for the open channel, which helps control water temperature.				
C	Determination			
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 <u>X</u>

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

If yes, what are those factors?

