Standard Checklist

Name of Riparian – Wetland Area: Carmel River Watershed – Scarlett Well Area

Date: 6/8/04 Segment/Reach ID: 14-Carmel River at Scarlett Well

Miles: Acres: Coordinates: Begin 5740041 E 2084442 N

End 5742505 E 2082822 N

ID Team Observers: Paul Watters, 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 cottonwood, red and arroyo willow, white alder, and western sycamore. Many bullfrogs were observed in this reach. This reach also has a trapezoidal channel shape that is reinforced by concrete rubble. This reach could be considered function at risk because the Carmel Valley Golf Course is encroaching on the river on the south bank and the north bank is full of concrete rubble preventing natural sinuosity. In addition, Cal-Am's Scarlett well may dewater this area in a dry year.

Summary F	Determination					
Summary L	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 conditions outside the control of the manager?						
Yes No						
If yes, what are those factors?						
Flow regulations Mining activities Road encroachme Augmented flows X_ Other (specify) g						

