Standard Checklist

Name of Riparian – Wetland Area: Lower Carmel River

Date: 7/23/04 Segment/Reach ID: 6- Between Via Mallorca Bridge & R. San Carlos Bridge
Miles: Acres: Coordinates: Begin 5716903 E 2091660 N
End 5717269 E 2091684 N

ID Team Observers: 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

North bank heavily eroded with no vegetation to protect it. Heavy groundwater extraction in the area is affecting vegetation recruitment and vigor.

Summary Determination

Functional Rating:

Proper Functioning Condition	____
Functional – At Risk	_____
Nonfunctional	__X__
Unknown	_____

Trend for Functional – At Risk:

Upward	_____
Downward	__X__
Not Apparent	_____

Are factors contributing to unacceptable conditions outside the control of the manager?

Yes	_X_
No	___

If yes, what are those factors?

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