## Standard Checklist

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

Date: 6/3/04	Segm	ent/Reach ID: 1	6-Carm	el River 300 f	eet downstream of Don
	Juan Bridge				
Miles:	Acres:	Coordinates:	Begin	5745138 E	2081967 N
			End	5749492 E	2079400 N
ID Team Observers: Thomas Christensen and Larry Hampson					

Yes	No	N/A	HYDROLOGY
Х			1) Floodplain above bankfull is inundated in "relatively frequent" events
		Х	2) Where beaver dams are present they are active and stable
	Х		3) Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
Х			4) Riparian-wetland area is widening or has achieved potential extent
Х			5) Upland watershed is not contributing to riparian-wetland degradation

Yes	No	N/A	VEGETATION
Х			6) There is diverse age-class distribution of riparian-wetland vegetation (recruitment
			for maintenance/recovery)
Х			7) There is diverse composition of riparian-wetland vegetation (for
			maintenance/recovery)
Х			8) Species present indicate maintenance of riparian-wetland vegetation (for
			maintenance/recovery)
Х			9) Streambank vegetation is comprised of those plants or plant communities that
			have root masses capable of withstanding high-streamflow events
Х			10) Riparian-wetland plants exhibit high vigor
Х			11) Adequate riparian-wetland vegetative cover is present to protect banks and
			dissipate energy during high flows
Х			12) Plant communities are an adequate source of coarse and/or large woody material
			(for maintenance/recovery)

Yes	No	N/A	EROSION/DEPOSITION
Х			13) Floodplain and channel characteristics (i.e., rocks, overflow channels, coarse and/or large woody material) are adequate to dissipate energy
		Х	14) Point bars are revegetating with riparian-wetland vegetation
	Х		15) Lateral stream movement is associated with natural sinuosity
Х			16) System is vertically stable
Х			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 that was installed to protect Carmel Valley road from erosion. An old historic meander was cut off when they rerouted Carmel Valley road in the early 1950's. Therefore, sinuosity and lateral stream movement are not considered in balance with the historic setting.

## Summary Determination

**Functional Rating:** 

Proper Functioning Condition	<u>X</u>
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?

If yes, what are those factors?

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

