

## Standard Checklist

Name of Riparian – Wetland Area: Carmel River Watershed – Carmel Valley Ranch Area

Date: 6/8/04 Segment/Reach ID: 13-Carmel River at Carmel Valley Ranch Golf Course

Miles: Acres: Coordinates: Begin 5739362 E 2085065 N  
End 5740041 E 2084442 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. This reach is constrained on the south bank because of Carmel Valley Golf Course's post and wire installation, which was originally designed to protect against streambank erosion. Post and wire supports are exposed and active bank cutting in and under the posts is occurring. In addition, Cal-Am's Scarlett well may dewater this area in a dry year.

Summary Determination

Functional Rating:

Proper Functioning Condition	_____
Functional – At Risk	<u>  X  </u>
Nonfunctional	_____
Unknown	_____

Trend for Functional – At Risk:

Upward	_____
Downward	<u>  X  </u>
Not Apparent	_____

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

Yes	<u>  X  </u>
No	_____

If yes, what are those factors?

<input type="checkbox"/> Flow regulations	<input type="checkbox"/> Mining activities	<input type="checkbox"/> Upstream channel conditions
<input type="checkbox"/> Channelization	<input type="checkbox"/> Road encroachment	<input type="checkbox"/> Oil field water discharge
<input type="checkbox"/> Augmented flows	<input type="checkbox"/> Other (specify) <u>need to improve golf course management</u>	

