## **Standard Checklist**

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

Date: 6/8/04 Segment/Reach ID: 12-Carmel River at chalk rock hole

downstream of Cal-Am's Scarlett Well

Miles: Acres: Coordinates: Begin 5735304 E 2083951 N

End 5739362 E 2085065 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 cottonwood, red and arroyo willow, white
alder, and western sycamore. This reach is constrained on the south bank because of
Carmel Valley Golf Course. In addition, Cal-Am's Scarlett well may dewater this area in
a dry year.

etermination
_X
ditions outside the control of the manager?
<u>X</u>
Upstream channel conditions at Oil field water discharge

