

Standard Checklist

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

Date: 4/8/04 Segment/Reach ID: 37-Carmel River just below cabin in Pine Valley

Miles: Acres: Coordinates: Begin 5784629 E 2003009 N  
End 5789488 E 1996935 N

ID Team Observers: Thomas Christensen

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

Most of the riparian cover along the stream consists of white alders and Santa Barbara sedges. Black cottonwoods were observed on the alluvial floor of Pine Valley in open sun areas.

### Summary Determination

#### Functional Rating:

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

#### Trend for Functional – At Risk:

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

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

Yes	<u>      </u>
No	<u>  X  </u>

If yes, what are those factors?

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

