

## Standard Checklist

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

Date: 6/3/04      Segment/Reach ID: 15-Carmel River 600 feet downstream of  
Randazzo’s Bridge

Miles:            Acres:            Coordinates:    Begin 5742505 E    2082822 N  
   End 5745138 E    2081967 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. Many bullfrogs were observed in this reach. The banks in this reach are hardened with concrete rubble.

### 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?

Yes	_____
No	<u>  X  </u>

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) _____	

