

Standard Checklist

Name of Riparian-Wetland Area: Garzas Creek

Date: August 10, 2004 Segment/Reach ID: Reach 1 PFC 804

Miles: _____ Elevation: 751 feet GPS: N 36, 28. 572' W 121, 46. 851'

ID Team Observers: Danica Zupic, Ben Eichorn Time: _____

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

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

Yes	No	N/A	EROSION/DEPOSITION
<input checked="" type="checkbox"/>			13) Floodplain and channel characteristics (i.e., rocks, overflow channels, coarse and/or large woody material) are adequate to dissipate energy
<input checked="" type="checkbox"/>			14) Point bars are revegetating with riparian-wetland vegetation
<input checked="" type="checkbox"/>			15) Lateral stream movement is associated with natural sinuosity
<input checked="" type="checkbox"/>			16) System is vertically stable
<input checked="" type="checkbox"/>			17) Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

Summary Determination

Functional Rating:

Proper Functioning Condition
Functional—At Risk
Nonfunctional
Unknown

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Trend for Functional—At Risk:

Upward
Downward
Not Apparent

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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

Yes
No

<input type="checkbox"/>
<input type="checkbox"/>

If yes, what are those factors?

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



Picture 1

Remarks

This reach begins halfway between the confluence of Moore's Lake with Garzas Creek and the end of the Redwood Creek Trail in Garland Park. The system was rated in PFC, as the vegetation is dense and diverse in both its composition and age-class. The creek bed is composed of an ideal mix of large boulders, cobbles, rocks and gravels (See Picture 1).

There was one site where a pool has been scoured out and a large sediment deposit has occurred, however the rest of the system showed no signs of excess sediment (See Picture 2).

GPS: N36,28.821 W121,46.224.

A half dozen dead alders were observed (See Picture 3).

There are seepage pools inhabited by yoy and tadpoles throughout the reach. The pools are stagnant and many have a filmy surface or algal blooms.

One pond turtle was observed (See Picture 4).

This reach ended at the upper end of Redwood Creek Trail in Garland Park GPS: N36,28.930, W121,46.008 Elev. 467



Picture 2

Checklist Comments

None - The System is in PFC



Picture 3



Picture 4