

Standard Checklist

Name of Riparian-Wetland Area: Robinson Canyon Creek

Date: June 25, 2004 Segment/Reach ID: Reach 9 PFC 202

Miles: _____ Elevation: 134 GPS: N 36, 31. 023' W 121, 48. 697'

ID Team Observers: Clive Sanders, Danica Zupic Time: _____

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 soil moisture characteristics
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)

Summary Determination

Functional Rating:

Proper Functioning Condition
Functional—At Risk
Nonfunctional
Unknown

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

Trend for Functional—At Risk:

Upward
Downward
Not Apparent

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

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

Yes
No

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

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) _____ | |



Picture 1

Remarks

This area has been armored since the 1998 flood. There is a large area that is void of vegetation, one bank has been cleared below a house and the other is eroding. There is armoring throughout the reach some of which is concrete rubble (See Picture 2). There is a bare cut road on the east bank that has been armored with quartz boulders since 1998, however large chunks of these boulders were found down stream from here (See Picture 1).

There is a lot of upland vegetation directly in the stream bed including Genesta and pampas grasses. There are buckeyes and willows present, however they already have yellowing leaves and brittle branches. There are only a few willow and sycamore recruits, however there are no grasses or sedges.

Near bridge 508 there is a floodplain void of vegetation with a bare bank leading to a wooden fence directly upland from it (See Picture 3).

There is some excess sediment throughout this reach.

End N 36, 31.077 W 121, 48.717 Bridge 508



Picture 2

Checklist Comments

#3 The banks have been built up since the 1998 flood causing the width depth ration of the creek to no longer be in balance with the landscape setting.

#5, 17 There is excess sediment throughout this reach and the entire creek.

#6, 7 There is only a minimum of diversity in the vegetation's age-class distribution and composition.

#8, 10 The willows and buckeyes present are brittle and yellowing. There is a predominance of upland species present.

#11 There is likely enough vegetative cover to withstand a high flow, however, it should be noted that much of the riparian vegetation is still small and young.

#12 There are no sources of LWD.

#14 The pointbars are not revegetating.

