

Standard Checklist

Name of Riparian-Wetland Area: Robinson Canyon Creek

Date: June 25, 2004 Segment/Reach ID: Reach 7 PFC 204

Miles: _____ Elevation: _____ GPS: N 36, 30. 906' W 121, 48. 763'

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

Yes	No	N/A	HYDROLOGY
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1) Floodplain above bankfull is inundated in "relatively frequent" events
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2) Where beaver dams are present they are active and stable
<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Riparian-wetland area is widening or has achieved potential extent
<input type="checkbox"/>	<input checked="" type="checkbox"/>		5) Upland watershed is not contributing to riparian-wetland degradation

Yes	No	N/A	VEGETATION
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6) There is diverse age-class distribution of riparian-wetland vegetation (recruitment for maintenance/recovery)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) There is diverse composition of riparian-wetland vegetation (for maintenance/recovery)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8) Species present indicate maintenance of riparian-wetland soil moisture characteristics
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9) Streambank Vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high-streamflow events
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10) Riparian-wetland plants exhibit high vigor
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11) Adequate riparian-wetland vegetative cover is present to protect banks and dissipate energy during high flows
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<input type="checkbox"/>		13) Floodplain and channel characteristics (i.e., rocks, overflow channels, coarse and/or large woody material) are adequate to dissipate energy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14) Point bars are revegetating with riparian-wetland vegetation
<input checked="" type="checkbox"/>	<input type="checkbox"/>		15) Lateral stream movement is associated with natural sinuosity
<input type="checkbox"/>	<input checked="" type="checkbox"/>		16) System is vertically stable
<input type="checkbox"/>	<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 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 reach began at a small private bridge (House 28395 Robison Canyon Rd.) that is being undercut (See Picture 1). There are large piles of sediment throughout the reach, including one pile over 20 ft. by 10 ft. that sits under a bridge that is being undercut (See Picture 6).

There were several sites where armoring had occurred. One bank had been stabilized with rocks and large beams is degrading and would likely not withstand a high flow (See Picture 2).

Much of the wetland vegetation consists of stressed, yellowing buckeyes and alders. There are a lot of upland species such as monkeyflower and genista present. There were no grasses seen, but there were some Redwoods at the beginning of the reach. There were two sites where trees have been cut down. One bank has been cleared below a backyard. There is shredded paper and yard waste under some trees on this bank (see Pictures 3 and 4).

There was one site where headcutting had occurred. There is a 9" gradient difference (See Picture 5).

End at N 36,30.989 W 121, 48.706

There was a large eroding hill of decomposed granite on the western upland side of the creek (See Picture 7).



Picture 2

Checklist Comments

#1, 8, 10 This bankfull has not been inundated relatively frequently, many of the wetland plants are brittle, yellowing and small, and many upland species are present.

#5, 17 There is an excess of sediment throughout the reach.

#14 The point bars are not revegetating.

#16 There is headcutting and undercutting occurring in the creek.



Picture 3



Picture 4



Picture 5



Picture 6



Picture 7