

Standard Checklist

Name of Riparian-Wetland Area: Robinson Canyon Creek

Date: June 28, 2004 Segment/Reach ID: Reach 4 PFC 207 _____

Miles: _____ Elevation: _____ GPS: N 36 . 30 . 504 ' W 121 , 48 . 844 '

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

Yes	No	N/A	HYDROLOGY
<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Riparian-wetland plants exhibit high vigor
<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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"/>

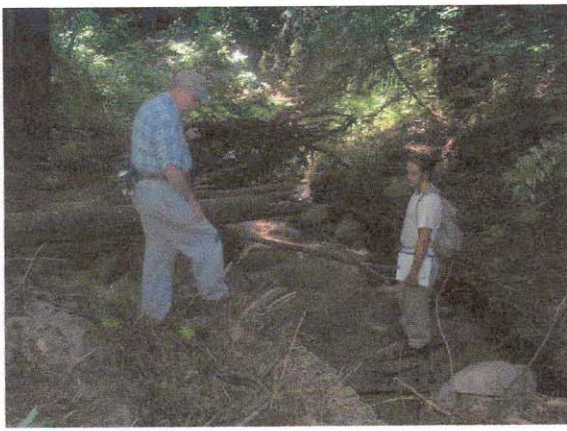
Are factors contributing to unacceptable conditions outside the control of the manager?

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 checked="" type="checkbox"/> Road encroachment	<input type="checkbox"/> Oil field water discharge
<input type="checkbox"/> Augmented flows	<input type="checkbox"/> Other (specify) _____	



Picture 1



Picture 2



Picture 3



Picture 4

Remarks

This reach begins at house 28676 Robinson Canyon Rd. There is a re-bar grill that has been laid over a culvert which has cemented rocks above and around it. This grill is not currently impeding the river but needs to be checked periodically for severe blockages. It is apparent that during high flows the culverts are not large enough for water flows and there is erosion on the banks above the concreted bridge.

There is a large slide on the upland bank, that appears to be a carved out water flow channel from the owners driveway above. The water flow originates on the county road and then continues on this said driveway.

The beginning of the reach is composed of very steep granite walls that then give way to a wider sediment filled stretch. The steep banks and the shade of the large redwood trees inhibit the growth of the vegetative cover in certain parts.

There is an excess of sediment throughout the reach, and several log jams that require clearing (See Pictures 1, 2, and 3). And a push of construction waste by house 28650 (See Picture 4).

There is some seepage but no noticeable flow in the reach. There were several steelhead spotted in this reach both yearlings and young of the years.

This reach ends at house 28650 Robinson Canyon Rd.
GPS: N:36, 30.735 W121, 48.673

Checklist Comments

#3 The sinuosity is normal except for where a log jam or a private bridge has caused the creek to carve out the bank.

#5, 17 There are several huge sediment deposits.

#11 There is a lack of vegetative cover on the banks which may be due the lack of sunlight and the steep slopes.

#16 The overall system is stable despite undercutting and the artificial stream impediments such as culverts and bridges.