

## Standard Checklist

Name of Riparian-Wetland Area: Robinson Canyon Creek

Date: June 28, 2004 Segment/Reach ID: Reach 6 PFC 205

Miles: \_\_\_\_\_ Elevation: \_\_\_\_\_ GPS: N 36, 30. 777' W 121, 48. 718'

ID Team Observers: Ben Eichorn, 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 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 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?**

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



Picture 1

#### Remarks

This reach began at bridge 505.

There is a minimum of age-class and composition diversity. The area lacks grasses and very young recruits. Although the upland species are sparse they are still present (ie. genesta).

There was excessive undercutting and deposition in the reach. Bridge 509 is continuing to be severely undercut despite numerous past efforts to stabilize it. Past efforts have used 'crete' bags, concrete and a metal retaining wall (See Pictures 1 and 2). A private bridge in the creek is eroding, currently the sandbags seem to be helping to stabilize the bank (See Picture 3).

The creek is dry throughout most of the reach but there is some seepage.

Ended at N 36, 30.881 W 121, 48.768.



Picture 2

#### Checklist Comments

#1 The recent water lines were lower than bankfull and there were not many new small recruits in the area.

#5, 17 There is excess sediment throughout the reach, which is mostly composed of fine sediment. There is an absence of cobbles.

#7, 14 There were no grasses or very small recruits. There are some upland species present.

#9, 11 Some banks are predominantly made of small trees that would not withstand high flows. There are not many willows in the area or vegetation of a similar function.

#16 There is undercutting on the banks and previously stabilized walls.



Picture 3