

## Standard Checklist

Name of Riparian-Wetland Area: Potrero Creek

Date: June 17, 2004 Segment/Reach ID: Reach 2 PFC 103

Miles: \_\_\_\_\_ Elevation: \_\_\_\_\_ GPS: N 36, 31. 746' W 121, 52. 047'

ID Team Observers: Clive Sanders, Danica Zupic Time: 11:45 am

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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<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"/>	<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 type="checkbox"/>	<input checked="" type="checkbox"/>		16) System is vertically stable
<input checked="" type="checkbox"/>	<input 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

X

### Trend for Functional—At Risk:

Upward  
Downward  
Not Apparent

X

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

Yes  
No


**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



Picture 2



Picture 3

### Remarks

This reach started at a culvert under a bridge. The concrete base of the bridge could be a fish impairment as it is at least a foot higher than the creek bed.

There is a concrete paved bank next to the tennis courts (See Picture 1).

There are several sites along this reach where the concreted banks caved into the creek (See Picture 2)

There is a sink hole next to the first collapsed concrete bank (See Picture 3).

Throughout the reach there are at least 4 places where large (2-3ft. by 2-3 ft.) slabs of concrete have come to rest. Bank erosion is still a concern as the banks are steep and there is undercutting and incising occurring.

There are remnants of trees and saplings that were cut down last year.

End N 36,31.831 W 121,52.059 at large culvert under parking lot by tennis courts

### Checklist Comments

#1 The steep banks and the floodplain are not frequently inundated.

#5 The concrete slabs are restricting plant growth.

#9, 11 The concrete is restricting growth and many of the larger root systems in the steep banks are being undercut.

#13 The channel characteristics are not able to dissipate energy, as this part of the reach is between the tennis courts, so the floodplain doesn't have any vegetation. The concrete slabs embedded in the creek may help to dissipate energy, there is some LWD.

#16 The system is not vertically stable where the concrete banks have caved in and a sink hole was formed.