

Standard Checklist

Name of Riparian-Wetland Area: Potrero Creek

Date: May 21, 2004 Segment/Reach ID: Reach 3 - Behind Tennis Courts PFC 102

Miles: _____ Elevation: 430 ft. GPS: N 36, 31. 831' W 121, 52. 059'

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

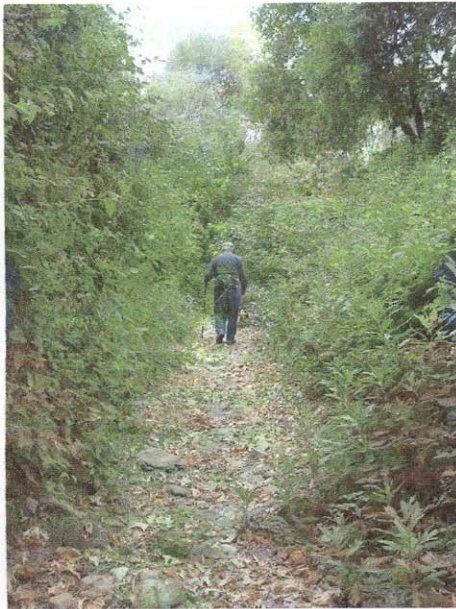
<input type="checkbox"/>
<input checked="" type="checkbox"/>

If yes, what are those factors?

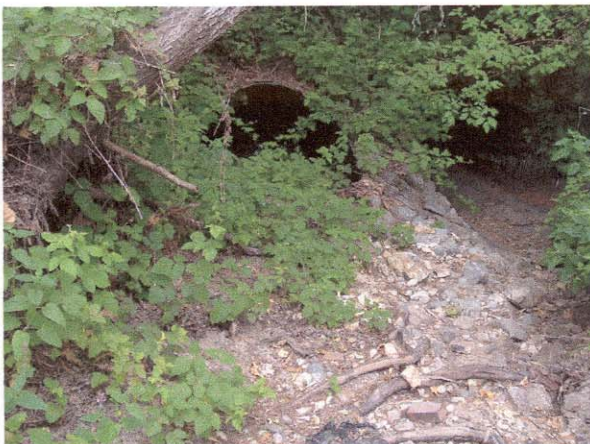
<input type="checkbox"/> Flow regulations	<input type="checkbox"/> Mining activities	<input type="checkbox"/> Upstream channel conditions
<input type="checkbox"/> Channelization	<input type="checkbox"/> Road encroachment	<input type="checkbox"/> Oil field water discharge
<input type="checkbox"/> Augmented flows	<input type="checkbox"/> Other (specify) _____	



Picture 1



Picture 2



Picture 3

Remarks

The large culvert is becoming undermined as water runs under it and has a large bend in it that could be a fish impairment (See Picture 1). There is a large sediment drop just downstream from the culvert which alters the bed composition for at least 50 yds, after which the bed returns to a cobble/gravel mix (See Picture 4).

The creek bank is steep and at least 13 ft. high (See Pictures 1, and 2)).

There is a proper variety of vegetation. However, there is a fallen willow that is laying in the middle of the creek and could cause a sever blockage.

At the end of the reach are two more culverts that are much smaller at only ~2 ft. and ~3 ft. in diameter (See Picture 3)

Checklist Comments

#1 The floodplain and creek banks are very high compared to the bottom and are not frequently inundated.

#5, 17 There was a large sediment pile, in the reach and in front of the culverts at the end of the reach.

#14 There are no point bars at this time



Picture 4