

Standard Checklist

Name of Riparian-Wetland Area: James Creek _____

PFC 503

Date: July 5, 2004 _____ Segment/Reach ID: Reach 2 _____

Miles: _____ Elevation: 1702 _____ GPS: N 36, 22. 257' W 121, 35. 443'

ID Team Observers: Clive Sanders, Danica Zupic, Ben Eichorn _____ 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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 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 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

<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"/>

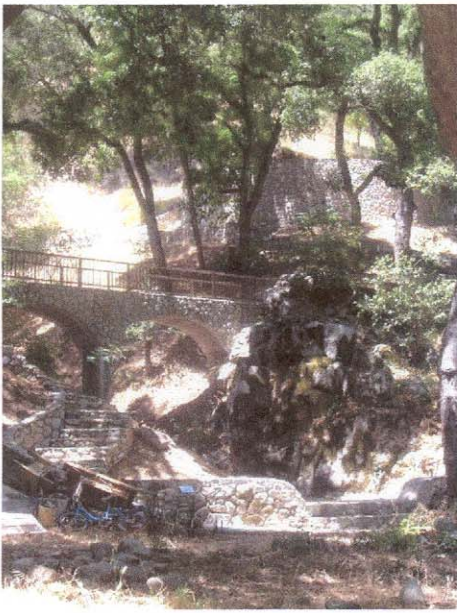
Are factors contributing to unacceptable conditions outside the control of the manager?

Yes
No

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

Remarks

The reach began at an unmarked bridge on the Tassajara road at residence 38670.

Workers from residence 38670 were seen extracting large cobbles from the creek apparently for construction use on their expansive rock walls, bridge, stairway, and patios (See Pictures 1 and 2).

Where the creek splits into two separate channels and wherever it diverges from the road, the presence of riparian wetland tree species increases significantly. Despite this increase, the presence of upland species does not diminish, and grasses and sedges are still lacking.

There are some sediment deposits throughout the reach however, cobbles are still visible (See Picture 3).

There is one logjam in the area (See Picture 4).

End at the driveway of Houses 38651, 38653 Tassajara Rd., mile marker 14.5 GPS: N36, 22.476 W121, 35.457.

There was some seepage in this reach, but it wasn't flowing.

Checklist Comments

#4 There are minimal riparian wetland species present.

#5, 17 There are some sediment deposits in this reach, however they do not appear to be excessive as cobbles are still visible.

#6 There are very few young recruits.

#7 There is an absence of riparian grasses, sedges, and willow type species.

#8 Riparian tree recruits such as alder and big leaf maple are thriving.

#9,11 There is an absence of smaller riparian plants and the understory is dominated by upland species.

#13 There is an overflow channel of equal size to the main creek bed that splits off fifty yards downstream of the beginning of the reach.

#14 Generally the point bars are revegetating, but with upland species, not riparian-wetland vegetation.



Picture 4