

Standard Checklist

Name of Riparian-Wetland Area: James Creek

Date: July 6, 2004 Segment/Reach ID: Reach 1 PFC 504

Miles: _____ Elevation: 1763 GPS: N 36, 21. 965' W 121, 35. 363'

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

This reach begins two hundred yards upstream from the town of Jamesburg along the Tassajara Road. There is a disintegrating culvert between the first residence we passed and the road (See Pictures 2 and 3).

Yearly grading of the Tassajara Road results in large quantities of dirt being pushed over the side of the road and frequently directly into James creek (See Picture 1).

Throughout this reach there is an extreme abundance of upland species (poison oak, berry vines, nettles and genesta). There is a lack of willow and other riparian-wetland species with similar function (See Picture 4).

There is a consistent balance of large and small cobbles, and minimum sediment deposition despite the yearly grading.

This reach ended at the driveway of residence 38670 Tassajara Road an at GPS: N 36, 22.257 W 121, 35.443.

Checklist Comments

#3 There are instances of minor headcutting and undercutting throughout the reach.

#4 Upland plant have overtaken the understory, but mature riparian tree species are present.

#5 There was some sedimentation and a few larger point bars, but they do not appear to be contributing to degradation.

#6-11,14 There is minimal diversity of age-class distribution, composition and general vegetative cover as evidenced by the absence of riparian species recruits and the dominance of upland species.

#16 There was one instance of minor headcutting



Picture 4