

## Standard Checklist

Name of Riparian-Wetland Area: San Clemente Creek (San Clemente Rancho)

Date: May 18, 2004 Segment/Reach ID: Reach 4 - By A frame cabin PFC 604

Miles: \_\_\_\_\_ Elevation: 1004 ft GPS: N 36, 25. 419' W 121, 22. 412'

ID Team Observers: Clive Sanders, Danica Zupic 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"/>	<input checked="" 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"/>	<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 type="checkbox"/>	<input checked="" 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"/>	<input checked="" type="checkbox"/>	15) Lateral stream movement is associated with natural sinuosity
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	16) System is vertically stable
<input type="checkbox"/>	<input checked="" 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?

- |   |  |  |
|---|--|--|
| <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) _____ |  |

A concrete ford has been installed that is causing a large point bar to form on the downstream right side. It is currently being undercut on the downstream left side where a small amount of water is flowing underneath it. This ford is currently a fish passage impairment. It is apparent that strong and large water flows run over the ford because of the downstream presence of large tree trunks etc. The ford was laid over the remnants of an old culvert. Large debris is beginning to pile up between the logs and a large boulder on the downstream side. The owner has noted this and it is on his list to correct. (See Picture 1 & 2)

The vegetation present is extremely varied in both composition and life stage. There are a lot of mature deep rooted trees present as well as saplings and a variety of grasses.



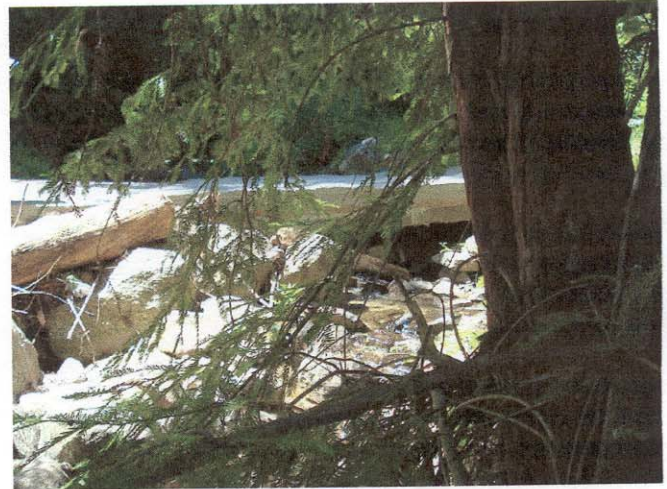
Picture 1

#### Checklist Comments

#5 There is an excess of deposition in the creek. The owners have noticed a drastic rise in the amount of sediment recently occurring in the creek that maybe caused by new roads & home development outside their property. (See Picture 1 and 3)

#16 Erosion is occurring on both banks on the immediate downstream side of the ford. Rock walls as seen in the last picture have been constructed to deter this and are currently working. There is some natural erosion on both banks. (See Picture 3)

#17 There is excessive sediment deposition where the point bar is forming on the upstream side of the ford. This sediment is thought to originate in the upland watershed as previously mentioned. (See Picture 1 and 3)



Picture 2



Picture 3