

## Standard Checklist

Name of Riparian-Wetland Area: Cachagua Creek

Date: July 9, 2004 Segment/Reach ID: Reach 5 PFC 411

Miles: \_\_\_\_\_ Elevation: \_\_\_\_\_ GPS: N 36 , 23 . 583 ' W 121 , 36 . 357 '

ID Team Observers: Clive Sanders, Danica Zupic Time: \_\_\_\_\_

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 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"/>	<input type="checkbox"/>	16) System is vertically stable
<input 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 type="checkbox"/>
<input checked="" 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 checked="" type="checkbox"/> Road encroachment                                       | <input type="checkbox"/> Oil field water discharge   |
| <input type="checkbox"/> Augmented flows  | <input checked="" type="checkbox"/> Other (specify) <u>Home construction and remodeling</u> |  |



Picture 1



Picture 2



Picture 3

### Remarks

This reach has vegetation diverse in both its composition and its age-class. There are more healthy willows and buckeyes present in this reach than have been observed upstream. There is some seepage, a lot of shade in the creek bed and plenty of large rocks and cobbles visible for proper fish habitat.

There is a cleared area with large waste piles of tires and appliances at house 21187 (See Picture 1). There is a spigot next to a PVC'd pipe or wires overhanging the creek (See Picture 2).

There is a completely bare large hillside that is being held up by an old oak tree directly behind the tennis courts (See Picture 3). There is a dirt ford that is functioning, however it has cut into the south bank, which is starting to erode into the creek (See Picture 4).

There are many healthy alders observed in this reach as well as large pools filled with tadpoles.

End N 36, 23.51 W 121,36.05 at Carmel Valley Tennis Camp.

### Checklist Comments

#5, 17 There is excess sediment throughout the creek.

#9, 11 There is a cleared bank by the tennis courts that has a few recruits.



Picture 4