

Standard Checklist

Name of Riparian-Wetland Area: Cachagua Creek

Date: July 20, 2004 Segment/Reach ID: Reach 12 PFC 404

Miles: _____ Elevation: 999 GPS: N 36, 23. 535' W 121, 38. 312'

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 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 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 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?

Flow regulations Mining activities Upstream channel conditions
 Channelization Road encroachment Oil field water discharge
 Augmented flows Other (specify) Ground water extraction?



Picture 1



Picture 2



Picture 3

Remarks

This reach begins at the county bridge 529

There are two tributary creeks observed at GPS N 36,23.55 W 121,38.37 and GPS N36, 23.53 W121, 38.35- the second tributary listed had a severely blocked culvert (See Picture 3). The first tributary's sandbags and culvert were eroding (See Picture 1 and 2).

There is dirt pushed into the creek early in the reach (See Picture 4).

There are three wells in this reach (See Picture 5).

10 YOY observed in one pool.

There is a dirt ford next to a paved road and bridge, near another upland road cut (See Picture 6). There are several large sediment deposits in this area, along with predominantly upland species near the wells (See Picture 7). There was a lack of smaller riparian plants throughout this reach.

This reach ended at GPS: N 36, 23.753 W 121, 38.629 Elev.924 ft.

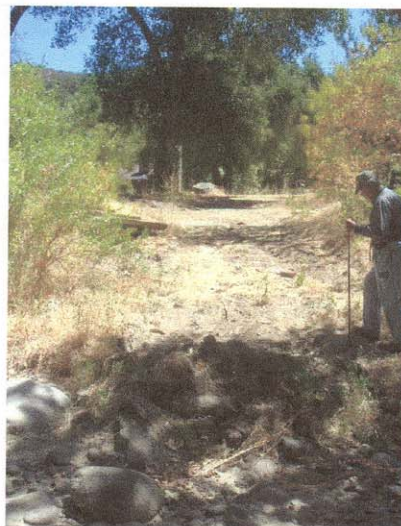
Checklist Comments

#5,17 There is excessive sediment in this reach including several large deposits.

#8, 9, 10, 11 There were numerous buckeyes on the banks and in the uplands exhibiting early leaf drop. There are many upland species present along the creek and five dead alders were observed. In many instances the flood plain is void of riparian and upland vegetation.

#14 Many of the pointbars were revegetating with upland vegetation.

#16 There is one, one-hundred yard stretch where a steep cliff is severely eroding and is void of enough vegetation to dissipate flow energy. Frequent undercutting was observed.



Picture 4



Picture 5



Picture 6



Picture 7