

Standard Checklist

Name of Riparian-Wetland Area: Tularcitos Creek

Date: August 10, 2004 Segment/Reach ID: Reach 2 PFC 904

Miles: _____ Elevation: _____ GPS: N 36, 26. 551' W 121, 38. 844'

ID Team Observers: 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 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 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"/>		15) Lateral stream movement is associated with natural sinuosity
<input type="checkbox"/>	<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?

<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) _____	



Remarks

This reach was assessed from the sides of Carmel Valley Road. This reach started at the driveway of 33900 Carmel Valley Road. There are three medium sized culverts on each side of the concrete ford of this address. This reach of the creek runs through a cow pasture, and residential land.

Although there are many more willows, sycamores and other mature trees, not all of them are vigorous. Oaks are prevalent in the creek. Vegetation is not able to grow on the steep eroding banks.

There are significant slides visible, and more ditches along the creek bank visible from the road (See Pictures 2, 3 and 4). These numerous slides from cattle trails are visibly contributing large amounts of sediment (See Pictures 3 and 4). The banks are extremely steep and vertically unstable.

There is some seepage visible in parts of the accessible creek bed.

This reach ended at the Willow Creek Bridge GPS: N36, 26.668 W121, 40.271

Picture 1



Checklist Comments

#5, 11, 16, 17 There were eroding banks and ditches throughout the reach. The banks are vertically unstable.

#6, 7 Although much of the creek could not be viewed close enough to ascertain if there is an abundance of recruits, the dense willows and few laurels observed would suggest a minimal amount of recruits and diversity.

#9 The sides are so steep nothing can grow on the banks, all that is visible are old established trees.

Picture 2



Picture 4

Picture 3