

Standard Checklist

Name of Riparian-Wetland Area: Finch Creek

Date: August 2, 2004

Segment/Reach ID: Reach 4

PFC 711

Miles: _____ Elevation: 2043ft GPS: N 36, 21. 050' W 121, 32. 585'

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 checked="" type="checkbox"/> | <input 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"/> | <input type="checkbox"/> | 16) System is vertically stable |
| <input checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

Trend for Functional—At Risk:

Upward
Downward
Not Apparent

| |
|--------------------------|
| <input type="checkbox"/> |
| <input 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?

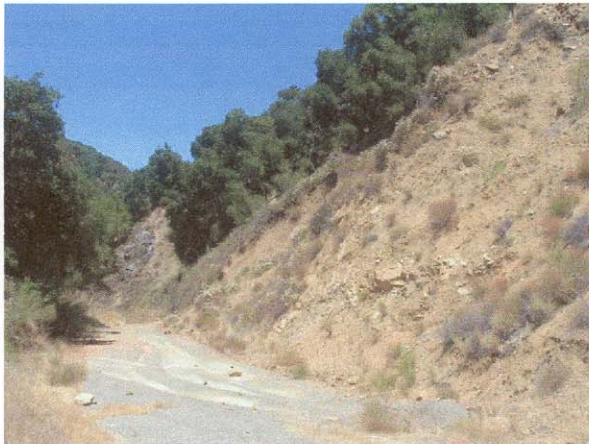
Flow regulations Mining activities Upstream channel conditions
 Channelization Road encroachment Oil field water discharge
 Augmented flows Other (specify) _____



Picture 1



Picture 2



Picture 3

Remarks

This reach begins by marker 28.5 on Carmel Valley Road.

The vegetation throughout this reach was very lush, replete with dense willows and a very tall alder canopy (See picture 1).

There is a dirt ford through the creek whose impact is imperceptible at this time (See picture 2).

There is a culvert that enters the creek forming a small pool. Peculiar algal formations were seen in this pool (gray film over rocks and leaves, and a puffy, golden-colored bloom).

There was some undercutting and a spiderweb logjam just upstream of county bridge 545.

The concrete foundation of bridge 545 is slightly undercut, and a wire mesh barrier on the downstream side could be a potential hazard.

There is a sediment-catching dirt barrier on the eastern bank of the county road below a large landslide.

This reach ended at county bridge 545 on Carmel Valley Road, and at GPS: N36, 21.078, W121, 32.600, elevation 1882ft.

Checklist Comments