

## Standard Checklist

Name of Riparian-Wetland Area: Hitchcock Creek

Date: May 24, 2004 Segment/Reach ID: Reach 5 PFC 305

Miles: \_\_\_\_\_ Elevation: 259 GPS: N 36, 28. 403' W 121, 43. 508'

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"/>		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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6) There is diverse age-class distribution of riparian-wetland vegetation (recruitment for maintenance/recovery)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7) There is diverse composition of riparian-wetland vegetation (for maintenance/recovery)
<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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"/>		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 type="checkbox"/>
<input checked="" 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?

- |                                           |                                                |                                                      |
|-------------------------------------------|------------------------------------------------|------------------------------------------------------|
| <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

There is almost no riparian vegetation on either bank at the beginning of the reach, one is a driveway and patio, the other is a lawn. The only trees along the first fifty 50 feet of bank were crab apples. The bank with the driveway has been shored up with cemented cobbles/rocks about 3-4 ft. high.

There is no vegetative recruitment, grasses or shrubs to stabilize the banks at the beginning, middle or end.

The middle of the reach has a 30 ft. high eroding hillside where headcutting is occurring, and the end has a lawn on one side and a cleared area only a few trees on the street side.

The reach ended at House #230.

### Checklist Comments

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

#12 was marked yes because in the middle there are a few trees to serve as LWD but not much.

#6-11 were marked no since there are no riparian plants to stabilize the banks or dissipate energy.

#16 The 30 ft. hill where headcutting is occurring is not vertically stable, nor are the banks with lawns.