

PFC Assessment Form (Lotic)

Riparian area/stream name: _____ Reach ID: 4RB Date: 4-6-17

Yes	No	NA	HYDROLOGY
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1) Floodplain is inundated in "relatively frequent" events. Rationale: Intermittent stream channel terminates into Silverwood lake.
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2) Beaver dams are stable. Rationale:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3) Sinuosity, gradient, and width/depth ratio are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region). Rationale: Upstream has been stabilized w/ large rip-rap.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Riparian area is expanding or has achieved potential extent. Rationale: Yes, spreading hydrographically. Boulders in stream are carving & further defining a pronounced bed + bank.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5) Riparian impairment from the upstream or upland watershed is absent. Rationale: Intact upstream channel.

Yes	No	NA	VEGETATION
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6) There is adequate diversity of stabilizing riparian vegetation for recovery/maintenance. Rationale: (community = mature willow woodland)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) There are adequate age classes of stabilizing riparian vegetation for recovery/maintenance. Rationale: No vegetation abundance present @ fernous
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8) Species present indicate maintenance of riparian soil-moisture characteristics. Rationale: yes, specifically along channel
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9) Stabilizing plant communities capable of withstanding moderately high streamflow events are present along the streambank. Rationale: Moderate, not high, → riprap placed in some areas.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Riparian plants exhibit high vigor. Rationale: yes. See lentic plant list for 4A. 4B has greater biodiversity @ various age stages.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11) An adequate amount of stabilizing riparian vegetation is present to protect banks and dissipate energy during moderately high flows. Rationale: woody vegetation lacking @ lake terminus.

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<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12) Plant communities are an adequate source of woody material for maintenance/recovery.
Rationale: <i>most woody debris is concentrated toward inlet/terminus to lake. Much of understory vegetation is varied and absent</i>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GEOMORPHOLOGY <i>in some areas</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13) Floodplain and channel characteristics (i.e., rocks, woody material, vegetation, floodplain size, overflow channels) are adequate to dissipate energy.
Rationale: <i>rip rap towards terminus has helped dissipate flows.</i>			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14) Point bars are revegetating with stabilizing riparian plants.
Rationale: <i>no point bars associated w/ this lotic feature.</i>			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15) Streambanks are laterally stable.
Rationale:			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16) Stream system is vertically stable (not incising).
Rationale:			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17) Stream is in balance with the water and sediment that is being supplied by the drainage basin (i.e., no excessive erosion or deposition).
Rationale:			

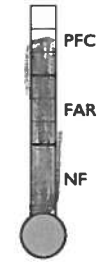
Summary Determination

Functional rating (check one)

- Proper functioning condition
- Functional-at risk
- Nonfunctional

Trend (check one)

- | | |
|-----------------------------------|---------------------------------------|
| Monitored trend | Apparent trend |
| <input type="checkbox"/> Upward | <input type="checkbox"/> Upward |
| <input type="checkbox"/> Downward | <input type="checkbox"/> Downward |
| <input type="checkbox"/> Static | <input type="checkbox"/> Not apparent |



Rationale for rating: _____

Rationale for trend: _____

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Lotic vegetation

* See vegetation form

Are there factors present preventing the achievement of PFC or affecting progress towards desired condition that are outside the control of the manager?

- Yes No

If yes, what are those factors? Check all that apply.

- | | |
|--|--|
| <input type="checkbox"/> Flow regulations | <input type="checkbox"/> Road encroachment |
| <input type="checkbox"/> Mining activities | <input type="checkbox"/> Oil field water discharge |
| <input type="checkbox"/> Upstream channel conditions | <input type="checkbox"/> Augmented flows |
| <input type="checkbox"/> Channelization | <input type="checkbox"/> Other (specify): |

Explain factors preventing achievement of PFC: _____

