

PFC Assessment Form (Lotic)

Riparian area/stream name: Gorman Creek Reach ID: GCR-LO-1A Date: 5/15/17

Yes	No	NA	HYDROLOGY
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1) Floodplain is inundated in "relatively frequent" events. Rationale: <u>Perennial water flow, saturated floodplain w/emergent riparian wetland veg.</u>
<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: <u>Low gradient w/moderate sinuosity conforming to landscape</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Riparian area is expanding or has achieved potential extent. Rationale: <u>Riparian veg. extends to bank boundary.</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5) Riparian impairment from the upstream or upland watershed is absent. Rationale: <u>Upstream reach is channelized; however, no excessive erosion or deposition from upland areas.</u>

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: <u>Multiple willow species, cottonwood, emergent wetland veg.</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) There are adequate age classes of stabilizing riparian vegetation for recovery/maintenance. Rationale: <u>Saplings → mature trees → dead wood</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8) Species present indicate maintenance of riparian soil-moisture characteristics. Rationale: <u>Emergent wetland veg prominent and widespread through floodplain.</u>
<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: <u>Mature shrubs & trees present</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Riparian plants exhibit high vigor. Rationale:
<input checked="" type="checkbox"/>	<input 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:

<input checked="" type="checkbox"/>			12) Plant communities are an adequate source of woody material for maintenance/recovery.
Rationale: Mature & dead trees w/ ample downed woody material throughout floodplain.			
Yes	No	NA	GEOMORPHOLOGY
<input checked="" type="checkbox"/>			13) Floodplain and channel characteristics (i.e., rocks, woody material, vegetation, floodplain size, overflow channels) are adequate to dissipate energy.
Rationale: see above.			
		<input checked="" type="checkbox"/>	14) Point bars are revegetating with stabilizing riparian plants.
Rationale:			
<input checked="" type="checkbox"/>			15) Streambanks are laterally stable.
Rationale: No evidence of excessive erosion or shelving.			
<input checked="" type="checkbox"/>			16) Stream system is vertically stable (not incising).
Rationale: No incised portions along reach.			
<input checked="" 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: see above			

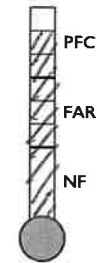
Summary Determination

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 checked="" type="checkbox"/> Not apparent |



Rationale for rating: Veg diversity in species composition and age class; saturated floodplain w/ substantial emergent wetland and fruit veg.; high veg cover percentage

Rationale for trend: No apparent changes happening to reach; part of established system

