

PFC Assessment Form (Lotic)

Riparian area/stream name: Trib. to Pyramid Lake Reach ID: 1C Date: 5/17/17 PLR-LO-

Yes	No	NA	HYDROLOGY
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1) Floodplain is inundated in "relatively frequent" events.
Rationale: Flow present during assessment, veg composition indicates relatively consistent source of water.			
<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: Drainage does not appear to be scouring or otherwise altering landscape. w/in project area, drainage is low gradient and low flow (during assessment).			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Riparian area is expanding or has achieved potential extent.
Rationale: Area is in harmony with landscape limitations; not likely to expand further or contract w/no change in hydrologic conditions.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5) Riparian impairment from the upstream or upland watershed is absent.
Rationale: No apparent excessive erosion/deposition.			

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: 2 willow species, cottonwood			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) There are adequate age classes of stabilizing riparian vegetation for recovery/maintenance.
Rationale: Sapling → mature willows; cottonwood present.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8) Species present indicate maintenance of riparian soil-moisture characteristics.
Rationale: Fac species dominant.			
<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: see above			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Riparian plants exhibit high vigor.
Rationale: No significant dead or declining individuals observed.			
<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: see above. High % of cover.			

<input checked="" type="checkbox"/>			12) Plant communities are an adequate source of woody material for maintenance/recovery.
Rationale: Mature trees and downed wood present.			
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: Wider floodplain present at mouth + woody debris.			
		<input checked="" type="checkbox"/>	14) Point bars are revegetating with stabilizing riparian plants.
Rationale: No point bars in study area.			
<input checked="" type="checkbox"/>			15) Streambanks are laterally stable.
Rationale: No obvious cutting/shelving/scouring.			
<input checked="" type="checkbox"/>			16) Stream system is vertically stable (not incising).
Rationale: see above; low gradient.			
<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:			

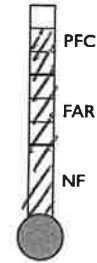
Summary Determination

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: Reach is in harmony w/ geomorphic and hydrologic conditions. No excessive erosion or deposition, scouring etc. Good diversity and age distribution of veg. species. Downed woody material

Rationale for trend: No apparent change in effect.

