

PFC Assessment Form (Lotic)

Riparian area/stream name: Gorman Creek / Warner Power plant outfall Reach ID: 10A Date: 5/18/17 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: Perennial or near perennial flow enters Gorman Creek from Quail 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: Geomorphology is limited by built environment channelized Gorman Creek feeding into channelized canal into Pyramid Lake.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Riparian area is expanding or has achieved potential extent. Rationale: Area has reached boundaries imposed by channelization.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5) Riparian impairment from the upstream or upland watershed is absent. Rationale: No significant sources of excessive soil deposition present upland or upstream.

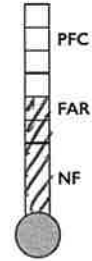
Yes	No	NA	VEGETATION
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6) There is adequate diversity of stabilizing riparian vegetation for recovery/maintenance. Rationale: Willows, cottonwood, cattails present.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) There are adequate age classes of stabilizing riparian vegetation for recovery/maintenance. Rationale: All age classes represented.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8) Species present indicate maintenance of riparian soil-moisture characteristics. Rationale: Emergent wetland and fac (+) veg present.
<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 6, above.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Riparian plants exhibit high vigor. Rationale: Healthy veg present, no significant chlorosis or die-off.
<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: However, banks are manufactured - cement & soil cement.

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12) Plant communities are an adequate source of woody material for maintenance/recovery.
Rationale: No accumulation of woody material - likely maintained			
Yes	No	NA	GEOMORPHOLOGY
<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: Area is likely maintained, though flows through reach are generally controlled.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14) Point bars are revegetating with stabilizing riparian plants.
Rationale: No point bars.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15) Streambanks are laterally stable.
Rationale: Manufactured slopes/bank			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16) Stream system is vertically stable (not incising).
Rationale: manufactured slopes/bank/bed			
<input checked="" 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: No excessive deposition observed, erosion unlikely due to manufactured slopes/banks/bed.			

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 composition and hydrology are characteristic of functional systems; however, geomorphology is a result of channelization and area likely maintained, eliminating debris natural debris buildup.

Rationale for trend: Area appears to be in stasis w/ mature riparian veg, indicating no recent efforts to clear channel.

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.

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

Explain factors preventing achievement of PFC: Manager controls
flow and overall maintenance of system.
PFC not possible due to factors checked
above.