

PFC Assessment Form (Lotic)

CCR-LO-4A

Riparian area/stream name: Castaic Creek Reach ID: EP-LO-4A Date: 5/4/17

Yes	No	NA	HYDROLOGY
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1) Floodplain is inundated in “relatively frequent” events.
Rationale: <u>wrack lines and sediment deposition observed.</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>Reach is located in a wide, low-gradient alluvial valley and exhibits moderate sinuosity; exhibits expected width:depth ratio.</u>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Riparian area is expanding or has achieved potential extent.
Rationale: <u>Diverse age class of riparian veg is present, obl. & fac + species are present.</u>			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5) Riparian impairment from the upstream or upland watershed is absent.
Rationale: <u>No evidence of riparian impairment</u>			

RIPIARIAN AREA MANAGEMENT – Proper Functioning Condition Assessment for Lotic Areas

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: Diverse riparian vegetation consisting of cottonwood/willow riparian woodland & southern willow scrub			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) There are adequate age classes of stabilizing riparian vegetation for recovery/maintenance.
Rationale: Young cottonwood, willows, mulefat observed throughout. Resprouting from flood-damaged individuals			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8) Species present indicate maintenance of riparian soil-moisture characteristics.
Rationale: Obl & Fac + species present → mature.			
<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: Established populations present w/ resprouting from flood-damaged individuals.			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Riparian plants exhibit high vigor.
Rationale: No significant stress to veg.			
<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: Few areas of undercut. Mature root systems.			

<input checked="" type="checkbox"/>			12) Plant communities are an adequate source of woody material for maintenance/recovery.
Rationale: Woody material present throughout reach, resprouts in some areas.			

Yes	No	NA	GEOMORPHOLOGY
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<input checked="" type="checkbox"/>			13) Floodplain and channel characteristics (i.e., rocks, woody material, vegetation, floodplain size, overflow channels) are adequate to dissipate energy.
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Rationale:
Wrack lines visible on veg stands, tree trunks, behind rocks & fallen logs.

<input checked="" type="checkbox"/>			14) Point bars are revegetating with stabilizing riparian plants.
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Rationale:
Resprouting and new growth observed at point bars.

<input checked="" type="checkbox"/>			15) Streambanks are laterally stable.
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Rationale:
No significant bank erosion. Stable riparian vegetation along banks.

<input checked="" type="checkbox"/>			16) Stream system is vertically stable (not incising).
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Rationale:
Low gradient system, no significant incising.

<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).
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Rationale:
No excessive erosion or deposition observed.

Summary Determination

Functional rating (check one)

- Proper functioning condition
- Functional-at risk
- Nonfunctional

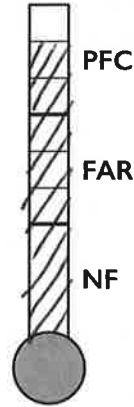
Trend (check one)

Monitored trend

- Upward
- Downward
- Static

Apparent trend

- Upward
- Downward
- Not apparent



Rationale for rating: _____

Rationale for trend: Reach appears in stasis, no upward or downward trend.

