SL-19-LO-B

Reach Information Form (Lotic)

I. **Background information:** Date: 4-19-17

Riparian area/stream name: SILVERWOOD LAKE Reach ID: 19-RB

Management unit (allotment/pasture, other): Intermittent Stream

Administrative unit/state: CA State Park

ID team members: JM, MK

Assessment method:

- ☒ Complete reconnaissance
- ☒ Selective inspection of representative areas
- ☐ Remote imagery with selective ground inspection

Reach length (miles/km): (obtain in GIS)

Location: Attach aerial image, USGS 7.5-minute topographic map, or GIS map with reach breaks indicated.

II. **Reach break location:** (obtain in GIS)

Reach starting point (upstream)	Reach ending point (downstream)
_____ N. Lat. UTM E _____ m	_____ N. Lat. UTM E _____ m
or	or
_____ W. Long. N _____ m	_____ W. Long. N _____ m

Positions by GPS? ☒ Yes ☐ No Photos taken? ☒ Yes ☐ No UTM Zone: _____

Datum: ☐ NAD27 ☐ NAD83 ☒ WGS84 ☐ Other (specify): _____

Rationale for reach breaks: Uniform bedrock in confinement w/ beach and upland habitat.

III. **Description of potential and rationale** (should include description of hydrologic regime, stream type(s), and riparian plant communities at potential; may include additional information such as valley type, gradient, entrenchment ratio, sinuosity, width/depth ratio, and bed and bank materials):

Moisture present in some, however is likely to recede as summer progresses. Riparian vegetation consistant as noted on both banks and w/in channel.

width/depth ratio is uniform indicative of a balanced flows. Slope gradient 1-6%

IV. **Other assessment or monitoring data or information about the reach:**

(same as 19E-A)

PFC Assessment Form (Lotic)

Riparian area/stream name: INTERMITTENT STREAM Reach ID: 19-RB Date: 4-19-17

Yes	No	NA	HYDROLOGY
X			1) Floodplain is inundated in "relatively frequent" events.
Rationale: (Same as 19R-A)			
		X	2) Beaver dams are stable.
Rationale: NO Beaver or Vegetation dams w/in reach.			
X			3) Sinuosity, gradient, and width/depth ratio are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region).
Rationale: (Same as 19R-A)			
	X		4) Riparian area is expanding or has achieved potential extent.
Rationale: Could expand further until confined by topography. Streambanks could be fortified by more herb. species.			
X			5) Riparian impairment from the upstream or upland watershed is absent.
Rationale: There is no overloaded point bars or altered sinuosity characteristics observed. Walking upland no disturbances were detected.			

Yes	No	NA	VEGETATION
X			6) There is adequate diversity of stabilizing riparian vegetation for recovery/maintenance.
Rationale: (Same as 19R-A)			
X			7) There are adequate age classes of stabilizing riparian vegetation for recovery/maintenance.
Rationale: (Same as 19R-A)			
X			8) Species present indicate maintenance of riparian soil-moisture characteristics.
Rationale: FAC + OBL species present. Stabilizing seedling & new growth, esp. upslope were observed. Past disturbance regimes coincide.			
X			9) Stabilizing plant communities capable of withstanding moderately high streamflow events are present along the streambank.
Rationale: (Same as 19R-A)			
X			10) Riparian plants exhibit high vigor.
Rationale: (Same as 19R-A)			
X			11) An adequate amount of stabilizing riparian vegetation is present to protect banks and dissipate energy during moderately high flows.
Rationale: (Same as 19R-A).			

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X			12) Plant communities are an adequate source of woody material for maintenance/recovery.

Rationale: This reach contains an adequate # of mature trees, that are large enough to serve as hydrologic modifyers / hydrologic controls

Yes	No	NA	GEOMORPHOLOGY
X			13) Floodplain and channel characteristics (i.e., rocks, woody material, vegetation, floodplain size, overflow channels) are adequate to dissipate energy.

Rationale: (Same as 19-RA)

		X	14) Point bars are revegetating with stabilizing riparian plants.

Rationale: No point bars present.

X			15) Streambanks are laterally stable.

Rationale: (Same as 19-RA) no erosion meander observed.

X			16) Stream system is vertically stable (not incising).

Rationale: No incission observed. No encroachment of upland veg on exposed floodplain. No downcutting

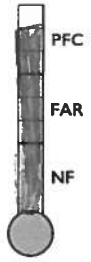
X			17) Stream is in balance with the water and sediment that is being supplied by the drainage basin (i.e., no excessive erosion or deposition).

Rationale: (Same as 19-RA)

Summary Determination

Functional rating (check one)

- ☑ Proper functioning condition
- ☐ Functional–at risk
- ☐ Nonfunctional



Trend (check one)

Monitored trend	Apparent trend
☐ Upward	☐ Upward
☐ Downward	☐ Downward
☐ Static	☒ Not apparent

Rationale for rating: Intermittent Channel appears to exhibit natural qualities and is not impacted by abnormal vegetation, hydrologic or geomorphic processes/regimen.

Rationale for trend: No upward or downward trend observed.

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

Explain factors preventing achievement of PFC:

Nothing to note

19R-B Veg

mntn Mahogeney
velvet Ash
Salix
Sycomore
Cottonwood
fraxinus.
no new vegetation sp. observed.

(Revised 2014)