





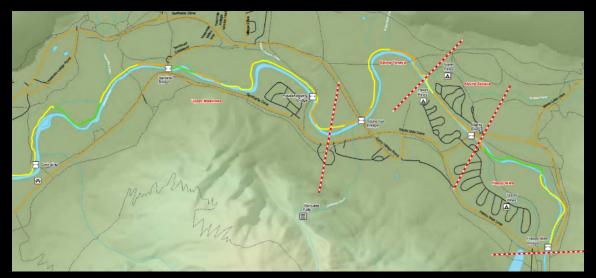




A multi-variable measure of riparian health

Assess 14 variables in four categories

- Buffer and landscape context
- Hydrology
- Physical structure
- Biotic structure



Index scores from 0.0 to 1.0

Assessed 81 alternating bank areas in 9.9 segment

Summarized as low-moderate-high



Methods



- On-site survey n = 806 (92% response rate)
- Roving stratified sampling
- Integrated with NPS use monitoring

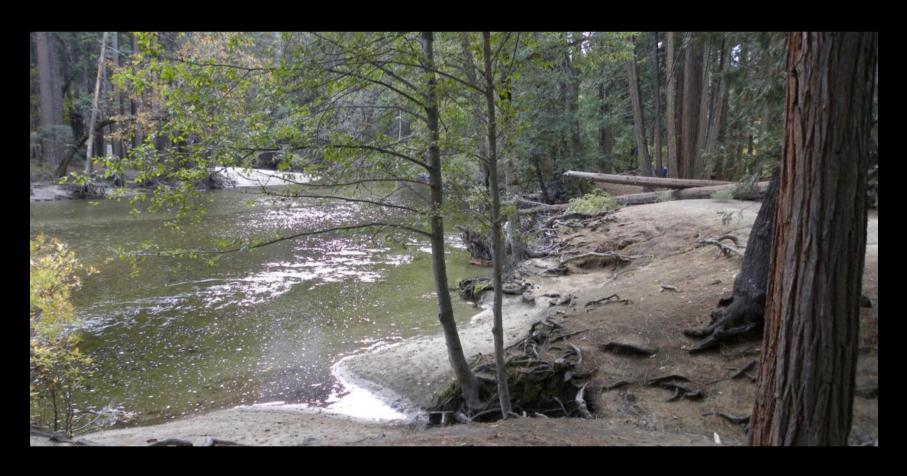








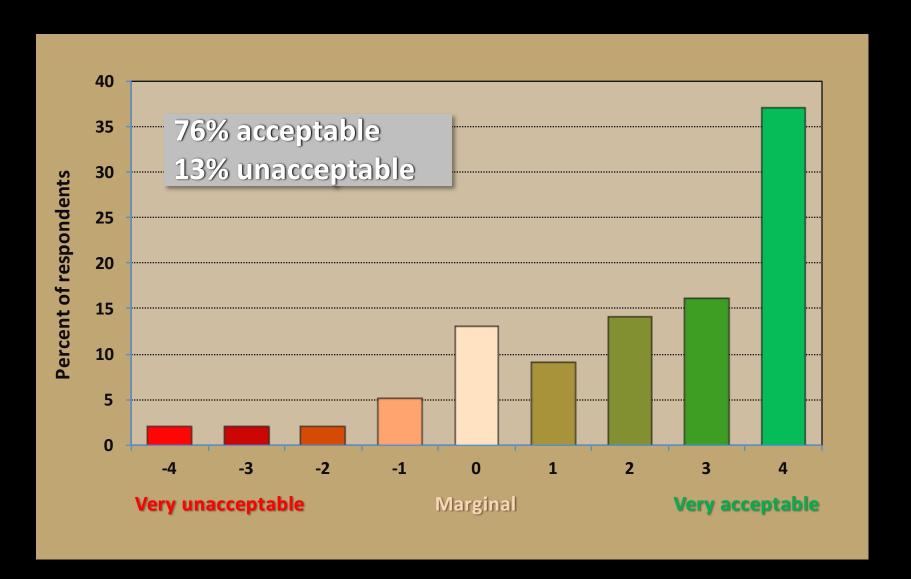
Evaluating riparian impacts



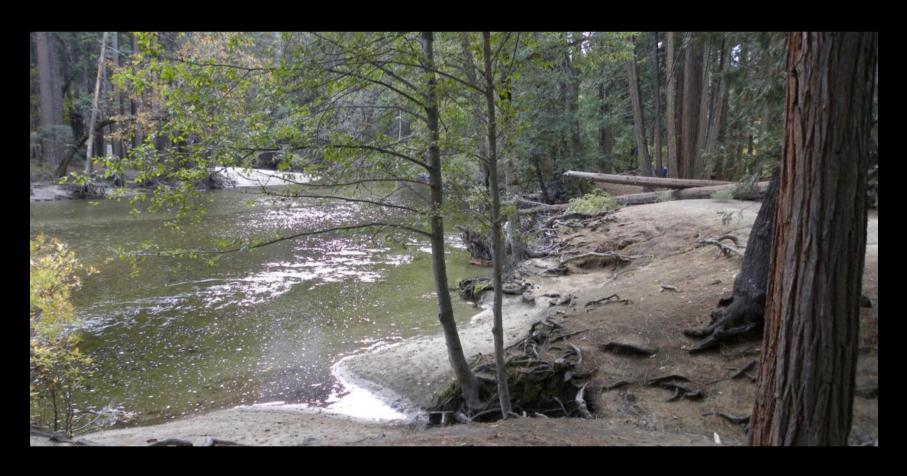
. The "river bank" photo shows an area used by park visitors along the Merced. National Park Service scientists evaluate river banks from an ecological perspective, but we are interested in how visitors perceive them. Please rate the acceptability of this river bank from your perspective.

Very unacceptable				Marginal		Very acceptable				
- 4	- 3	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4		

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Evaluating fences and boardwalks

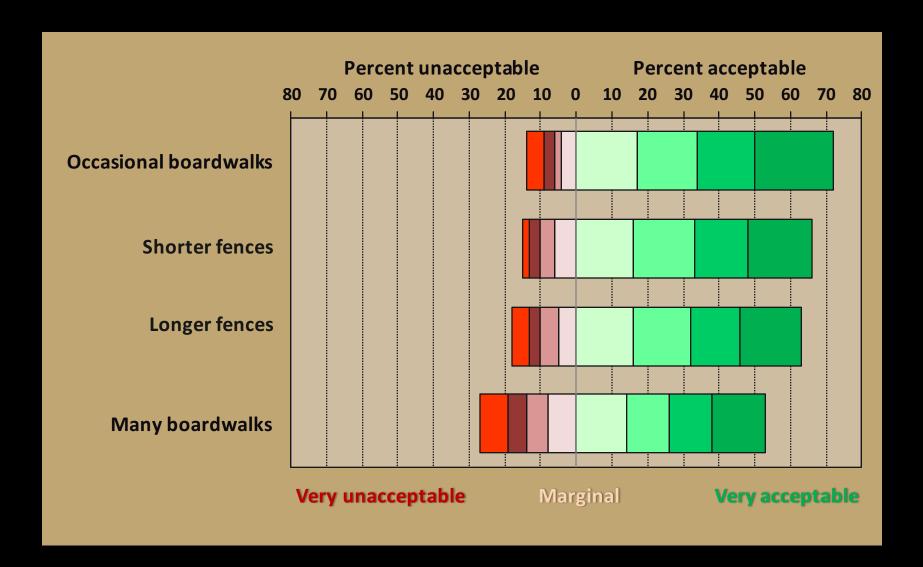




18. To reduce bank and meadow trampling along the river, the Park Service could close sensitive areas (see "split rail fencing" photo) and direct people toward areas that can withstand use (see "boardwalk and stairs" photo). However, these actions may decrease "naturalness," prevent access to some areas, or lead to congestion in other areas. Please rate the acceptability of the following actions.

	Very unacceptable			Marginal				Very acceptable	
Longer split rail fences (over 200 feet) to protect large areas from trampling, with short openings for river access.	- 4	- 3	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4
Shorter split rail fences (under 50 feet) to restore small sites with heavy trampling.	- 4	- 3	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4
Occasional boardwalks and stairs through meadows and sensitive areas to provide access to areas like beaches.	- 4	- 3	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4
Trail networks with <i>many boardwalks & stairs</i> directing use to less sensitive areas and discouraging off-trail use.	- 4	- 3	- 2	- 1	0	+ 1	+ 2	+ 3	+ 4

Evaluating fences and boardwalks



Managing use in sensitive areas

