

Preliminary Alternative Concepts Workbook

How to use your workbook:

- Understand the planning process & framework
- View the range of the five alternative concepts
- Study summary tables (p. 26-27)
- Learn how to comment
 http://parkplanning.nps.gov/MRPAlternatives
 through April 20



Existing Conditions		Alternative Concept 1	Alternative Concept 2		
Concept Title	Conditions	Self-reliant Experience within the 100-year floodplain	Dispersed Visitor Experiences and Extensive Riverbank Restoration		
Erver Values		Major restriction within the 100-war floodplan	Significant instruction within 150 feet of the riser Accommodates lower winter use levels than today		
Visitor Use and Capacity Management		Accommodates lowers varior use levels			
Land Use Management		Sanfoart relation in facilities and seniors	Maked relation is visiter facilities and services		
		Symmetric actions and actions	THE RESERVE OF THE PERSON OF T		
Concept Graphic		100 all 100	200 200 200 200 200 200 200 200 200 200		
Alternative Drivers					
River Values (in Yosemite Valley)					
Ecological Restoration Acresige Totals		136 ares	201 am		
Wet Meadows Restored		47 apps	76 arms		
Previous Meadow Habitat Re-established		SE H795	88 4095		
Sperien and Hoodplain Respond		161 ages	129 acres		
Major Site Restoration Locations		Wiwons golf couns, Former Rivers compgrounds, Lower Press, Group Carrip, Carrip 6, Genemowyer Sandjer, Curry Villager Sobbles, Housekeeping Carrip, Curry Cachard Reibing, Alwahner, Row and Broops bouring, Minted Lake High Serna Carrip, Curry Village, benfall	Wawona-golf course, Former Rivers, Lower Pines, Group - Carrip, Camp 6, Greenmeyer Sandpit, Housekeeping Camp, Curry Orchard Farking, Curry Village Stables, Merced Lake Hi Sonta Camp.		
Visitor Use and Capacity Management					
Peak Ownight Visitor Use Throughout River Corridor	7,900 people	5,100 people	6,100 people		
Peak Overright Visitor Dar — Yournite Wiley Only	5,900 people	3,900 people	4,700 people		
Feak Day Visitor Use — Yosernite Valley Only	14,600 people	10,200 people	10,200 people		
Peak Total Visitor Use Valley (Day and Overnight)	20,500 people	34,000 people	14,500 people		
Day-Use Capacity Management Strategy		Day-use permits and reservation system required during peak summer season. Permits would be checked at park entrance stations.	Day-use permits and operation system required during peak summer season. Permits checks on-site at parking locations.		
Land Use Management	Section 1	Total Control of the			
Lodging Totals (Throughout River Corridor)	1,200 units	\$90 units	810 units		
Total Lodging in Yosenste Valley	1,100 units	480 units. Lodging units reduced at Curry Wilege and removed completely at Youmite Lodge and Housekeeping Carry.	200 units: Lodging units reduced at Curry Village and Yesemite Lodge and removed completely at Housekeeping Curry.		
Camping Totals (Throughout River Corridor)	570 sites	520 sites	540 sites		
lotal Camping in Yosenste Walky	470 stes	A60 sites: Removal of North Pines Campground and a reduction at Upper Pines, Lower Pines, and Backgockon Camp. Yosenitz Lodge re-purposed as camping.	460 sites: Reduction at North Princs, Lower Princs, and Backpackers Camp, Expansion of -40 sites at Upper Princs.		
Maxiona Camparound	100 sites	60 situs	60 slts		
Parking (Throughout River Corridor)	7,800 vehicles	6,500 vehicles	6,700 vehicles		
Istal Parking in Yournste Valley	5,500 whichs	4,000 sehicles: Reduction in parking at Camp 6 and Curry Orchard and a 600-space increase at Visienite Lodge	4.400 whicle: Reduction in parking at Camp 6 and Curry Ordred and a 150-space increase at Yosenste Lodge		
Administrative Uses and Operations					
Consensioner General Office		Exercises in relevated out of the Star Corridor	Function is relocated out of Youmste Valley to II Portal		
Concession Employee Housing	1.200 bests	600 employee both in Valley: 260 relocated to II Portal	900 employee bads in Valley: 60 relocated to 11 Portal		



MERCED RIVER Comprehensive River Management Plan

...Providing Access and Protecting Resources



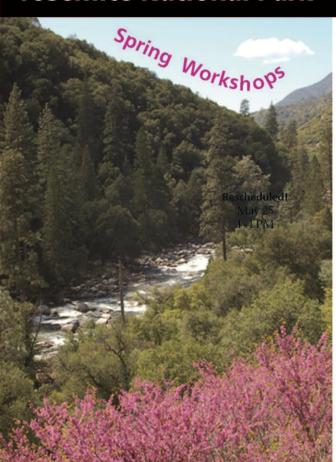


Public Involvement

Yosemite National Park

National Park Service U.S. Department of the Interior





Upcoming Merced River Planning Events

The Merced River Plan (MRP) team will host a series of workshops and a forum this spring. These workshops are a chance to find out more about the conditions of the river's Outstandingly Remarkable Values (ORVs) and management concerns that will need to be addressed in a successful Merced River Plan. The workshops will focus on transportation, user capacity, and the Merced River's ORVs.

For those unable to attend the workshops in person, they will also be available online via a webinar. Look for more information about how to register and log in to the webinar in the next few weeks at:

http://www.nps.gov/yose/parkmgmt/mrp_meetings.htm

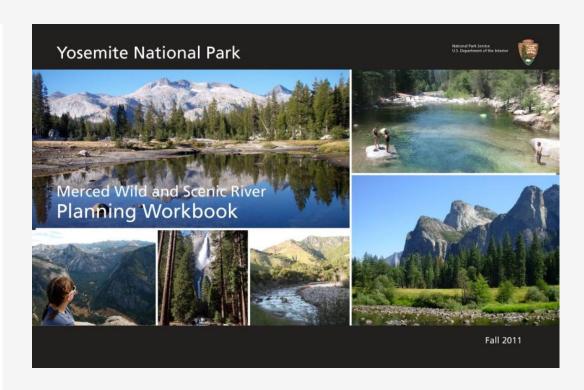
Date	Topic
Time	Location
New Date/ May 25 1-4 PM	Recreation Yosemite Valley Auditorium
Apr 22	Hydrology/Biology/Geology
1-4 PM	Yosemite Lodge - Garden Terrace
Apr 26	Transportation
1-4 PM	Yosemite Lodge - Garden Terrace
Apr 27	Cultural Resources
1-4 PM	Yosemite Valley Auditorium
Apr 29	User Capacity
8AM - 4:30PM	Yosemite Lodge - Garden Terrace
May 13	Science Forum
9AM - 2PM	Yosemite Lodge - Garden Terrace



Public Involvement



Date	Time	Location
Oct. 27, 2011	5-8 pm	El Portal Community Center El Portal, California
Oct. 28, 2011	1-5 pm	Wawona Community Center Wawona, California
Oct. 29, 2011	10 am - 4 pm	Garden Terrace, Yosemite Lodge Yosemite National Park
Nov. 7, 2011	10 am - 4 pm	Garden Terrace, Yosemite Lodge Yosemite National Park
Nov. 9, 2011	5-8 pm	Fort Mason Conference Center, Golden Gate Room San Francisco, California





Public Involvement





Section One

WSRA AND THE MERCED RIVER CORRIDOR

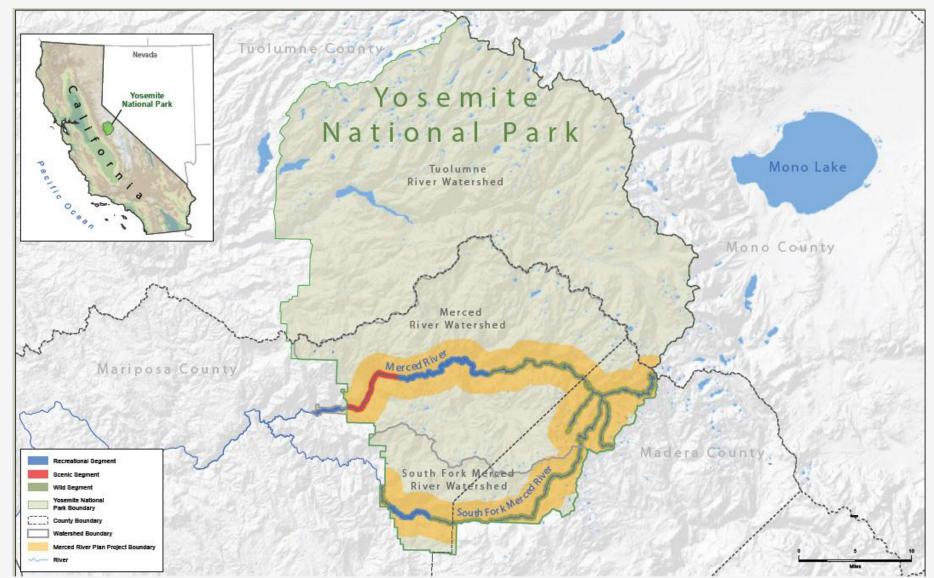


Wild and Scenic Rivers Act 1968

- Protects free-flowing condition
- Protects water quality
- □ Protects and enhances the river's Outstandingly Remarkable Values — the qualities that make the river worthy of special protection
- Ensures visitor access and enjoyment
- Requires management plans to be completed to provide long-term guidance







Preliminary Alternative Concepts Workshops: March 27-April 13, 2012



Section Two

PLANNING FRAMEWORK



"Each component...shall be administered in such manner as to protect and enhance the values which caused it to be included in said system." (WSRA, Sec. 10)

"Each component will be managed to protect and enhance the values for which the river was designated, while providing for public recreation and resource uses which do not adversely impact or degrade those values." (WSRA Guidelines, 1982)



For purposes of WSRA......

Adverse Impact: A significant reduction in the quality of a river value in relation to baseline conditions as a result of public use or development. Adverse impact is determined at a segment-wide scale and requires immediate attention by the agency.

Park scientists have developed quantitative definitions of adverse impact for each of the Merced's 24 specific river values.

Current conditions have been reviewed against this definition to determine where actions to "protect" river values are necessary.



For purposes of WSRA.....

Degradation: The state in which a river value has been fundamentally altered by public use or development to the point that its value is lost for at least 10 years.

A river value has been degraded when recovery is only possible through a sustained change in park management and a significant investment of financial and natural capital.

Degradation is a segment-wide condition and may be detected by the baseline condition assessment, by periodic monitoring, or by other means.



To Enhance ORVs...

The Merced River Plan must:

- 1. Identify baseline conditions for each river value; and
- 2. Improve conditions in the river corridor

Thus, each of the alternatives will include actions to address management concerns even if they are not significant enough to be considered "adverse impacts."

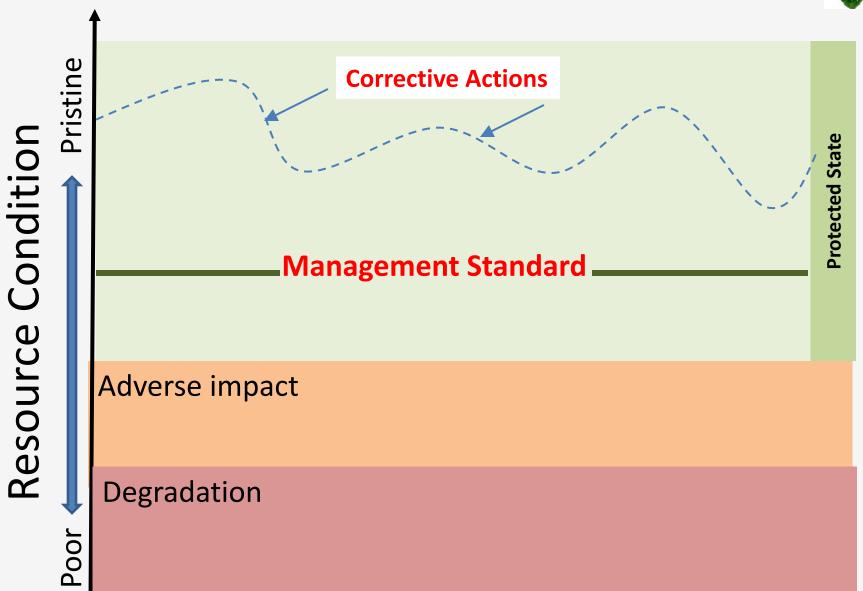
These actions have been linked with proactive restoration measures to form a comprehensive restoration program for the Merced River corridor.



What about avoiding future impacts?

We are developing a series of monitoring protocols to evaluate conditions over time and set thresholds for taking appropriate management actions.







Potential Meadow Restoration and Protection Actions

- Increased monitoring
- Increased education
- Increased enforcement
- Trail delineation
- Removal of informal trails
- Recontour topography
- Soil decompaction
- Fences
- Boardwalks

- Adjust roadside parking
- Manage access



El Capitan Meadow in 2000 before installation of parking curbs.



Section Three

FACILITIES AND SERVICES

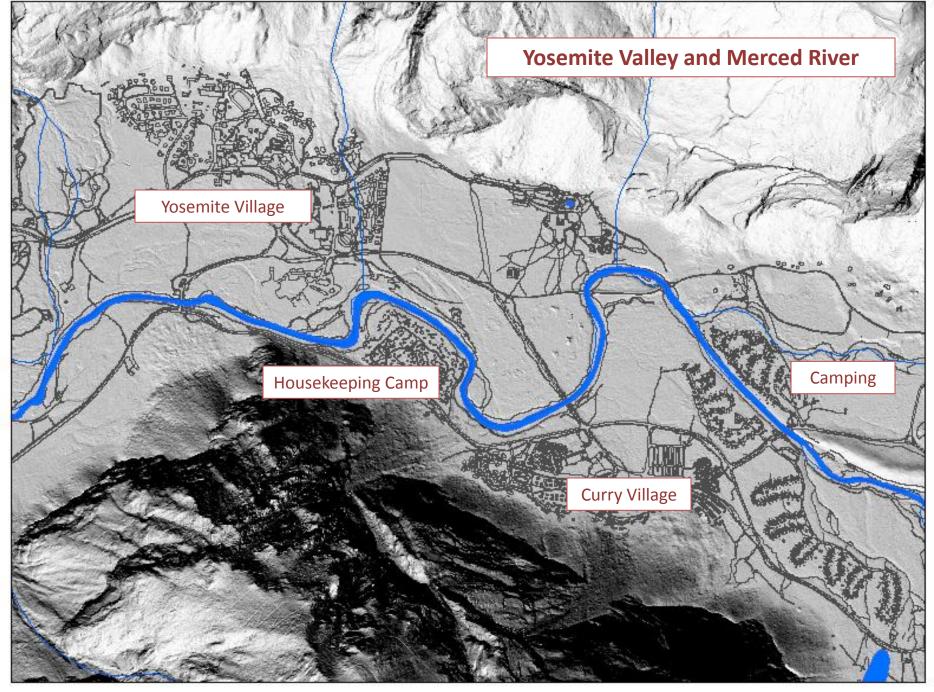


Major Facilities: "Major public use facilities such as developed campgrounds, major visitor centers and administrative headquarters will, where feasible, be located outside the river area. If such facilities are necessary to provide for public use and/or protect the river resource, and location outside the river area is infeasible, such facilities may be located within the river corridor provided they do not have an adverse effect on the values for which the river area was designated." (WSRA Guidelines, 1982)

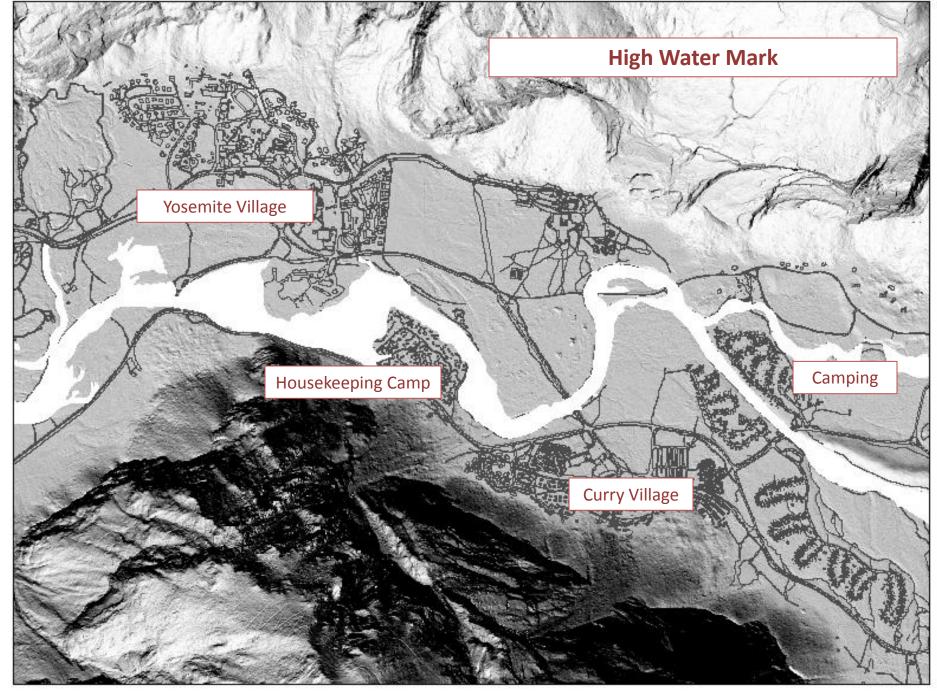


IDT Review of All Facilities in Merced River Corridor:

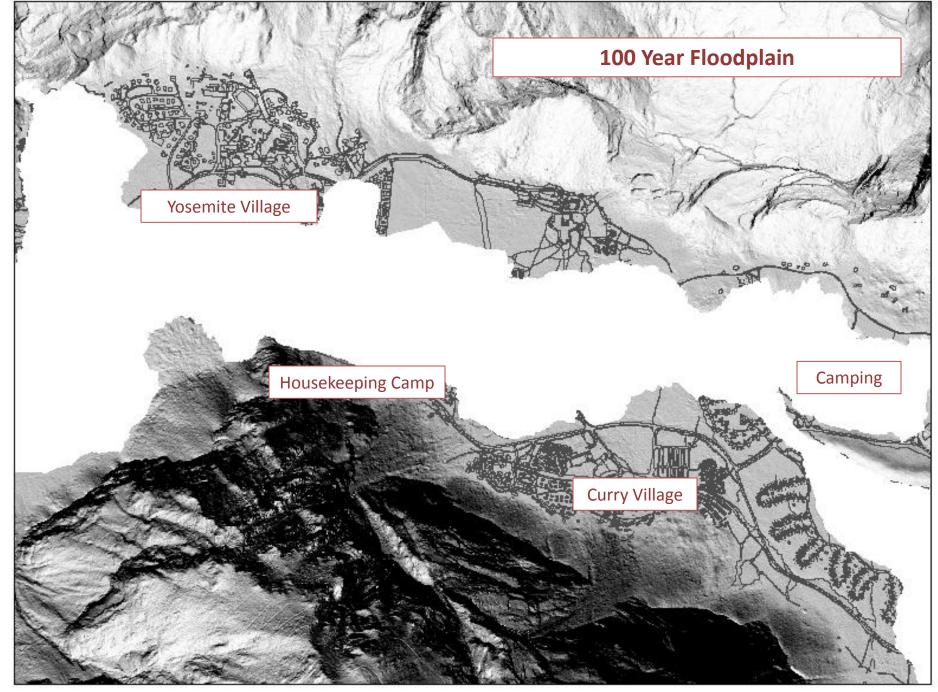
- 1. Is it a major facility?
- 2. Is it necessary for public use?
- 3. Is it feasible to relocate outside the corridor?
- 4. Are there adverse impacts to river values that need to be mitigated?



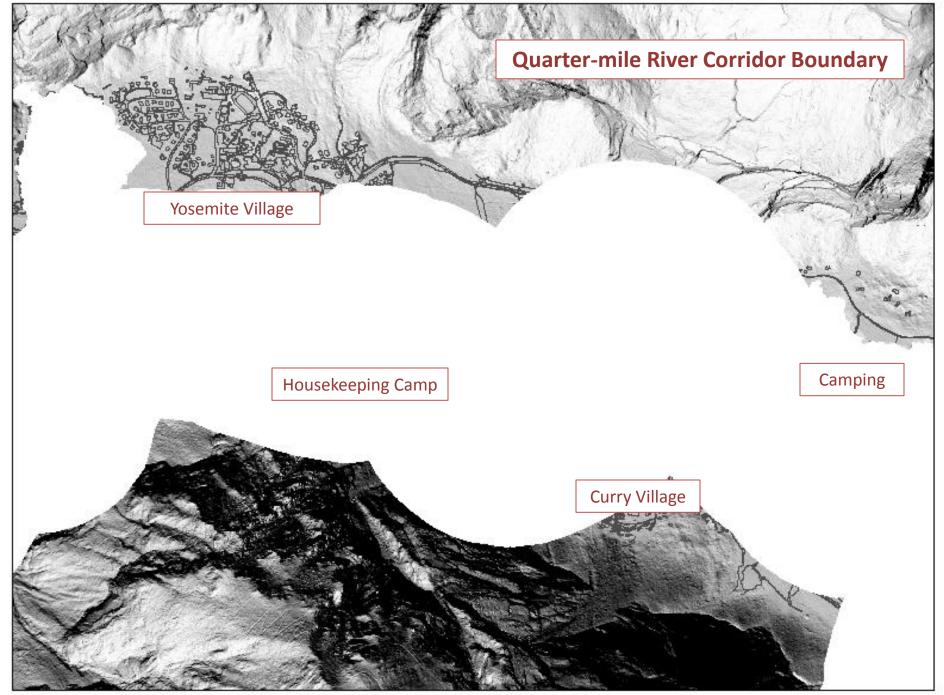
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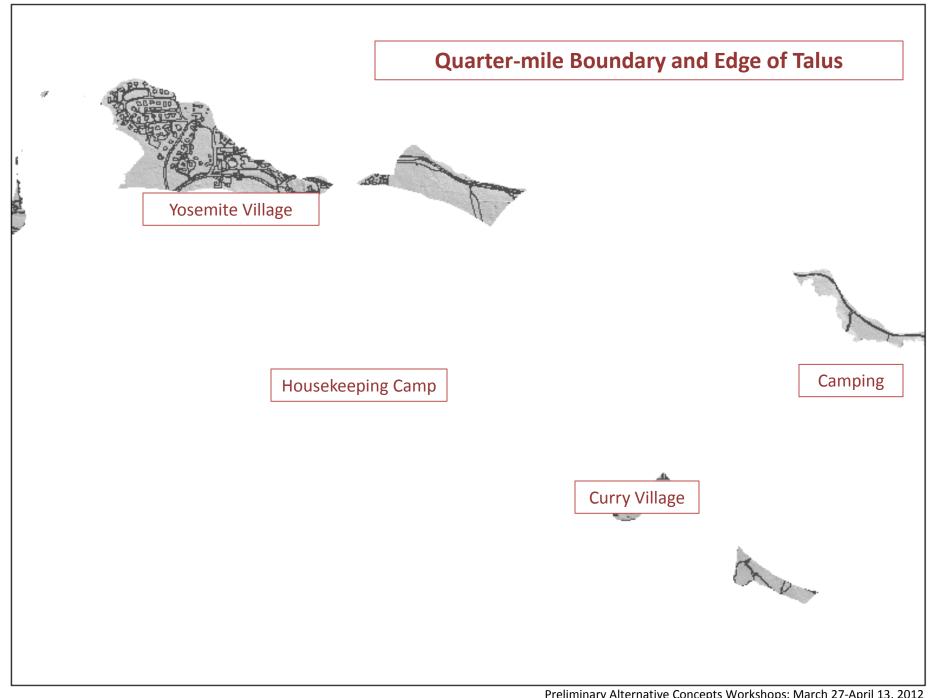
Preliminary Alternative Concepts Workshops: March 27-April 13, 2012



Preliminary Alternative Concepts Workshops: March 27-April 13, 2012



Preliminary Alternative Concepts Workshops: March 27-April 13, 2012





5"To illustrate the level of degradation already experienced in the Merced and maintained under the regime of interim limits proposed by NPS, we need look no further than the dozens of facilities and services operating within the river corridor, including but not limited to, the many swimming pools, tennis courts, mountain sports shops, restaurants, cafeterias, bars, snack stands, and other food and beverage services, gift shops, general merchandise stores, an ice-skating rink, an amphitheater, a specialty gift shop, a camp store, an art activity center, rental facilities for bicycles and rafts, skis and other equipment, a golf course and a dining hall accommodating 70 people." (Friends of Yosemite v. Kempthorne, 9th Circ., 2008)



Facilities Removed Under All Preliminary Alternatives

- Ahwahnee Pool
- Ahwahnee Tennis Court
- Former Ahwahnee Golf Course
- Yosemite Lodge Pool & Snack stand
- Yosemite Lodge Post Office
- Yosemite Lodge NPS Volunteer Bldg.
- Yosemite Lodge Housing (1000's cabins)

- Yosemite Lodge Highland Court Housing
- Happy Isles Snack Stand
- Wawona Concessions Stables
- Curry Village Ice Rink
- NPS Finance Trailer (El Portal)



Facilities Relocated, Repurposed, Reduced......

- Residence 1
- Concessions Service Garage
- Concessions General Office
- Yosemite Lodge Housekeeping Bldg.
- Bicycle and Raft Rentals
- Yosemite Village Sports Shop
- Convenience/Nature Shops

- Camp 6 Day-Use Parking
- Wawona Campground
- Lower Pines Campground
- Curry Village Residential Area
- Yosemite Valley Backpacker's Campground



Section Four

MANAGEMENT SITUATION: USER CAPACITY AND TRANSPORTATION



Key Points – User Capacity Process

- Integrated into overall river planning process.
- Not a single number.
- Is an outcome of the planning process, not predetermined.
- Involves both science and value judgments.
- Identifies kinds and amounts of use appropriate.
- Applies monitoring to ensure that use does not adversely effect or degrade river values.





Addressing User Capacity

"the kinds and amounts of public use which the river area can sustain without impact to the values for which it was designated."

1982 Secretarial Guidelines for the Wild and Scenic Rivers Act



Recreational ORV

WILDERNESS ABOVE NEVADA FALL:

- Hiking
- Backpacking
- Swimming

YOSEMITE VALLEY:

- Viewing Scenery
- Swimming
- Hiking
- Camping
- Paddling
- Picnicking
- River Interpretation and Education





Analyzing the Kinds and Amounts of Use

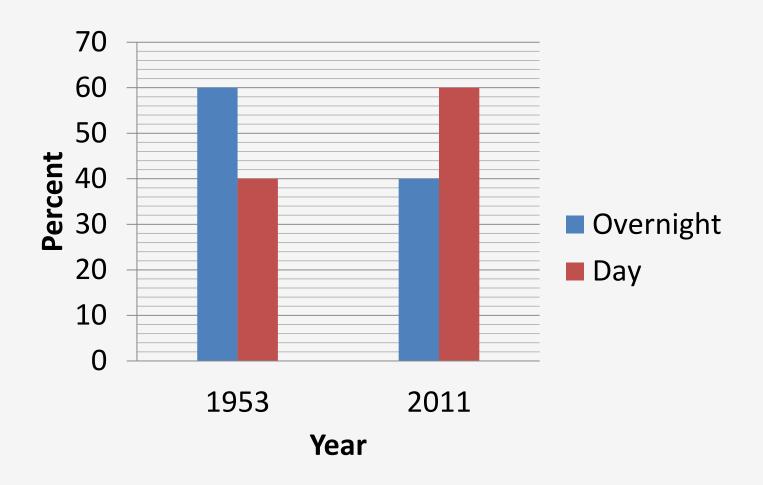
- 1) Is there a potential effect on river values?
- 2) Which values may be affected?
- 3) Cause of effect
 - a) Kinds of use
 - b) Amounts of use
 - c) Location or timing of use
 - d) Infrastructure







Overnight vs. Day Use





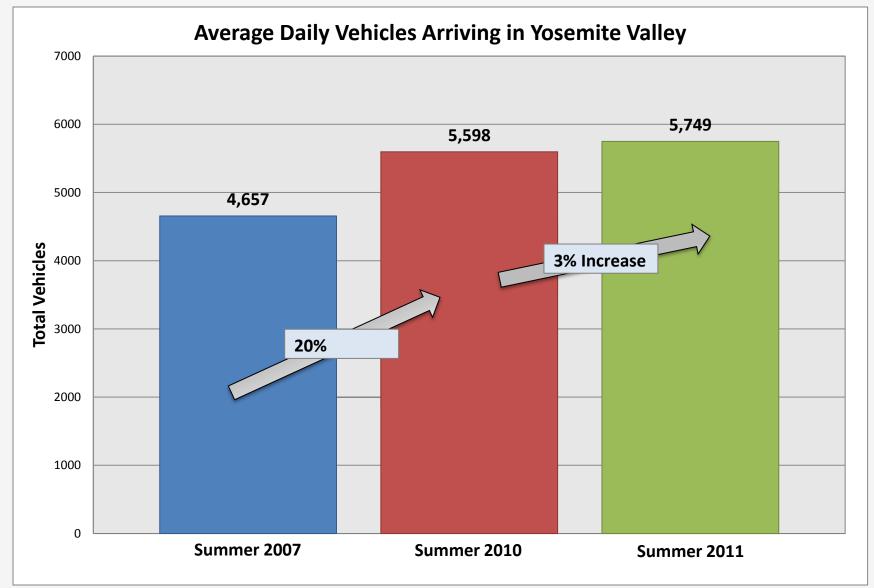
Arriving to the Park

(70% of All Visitors to Yosemite Valley)

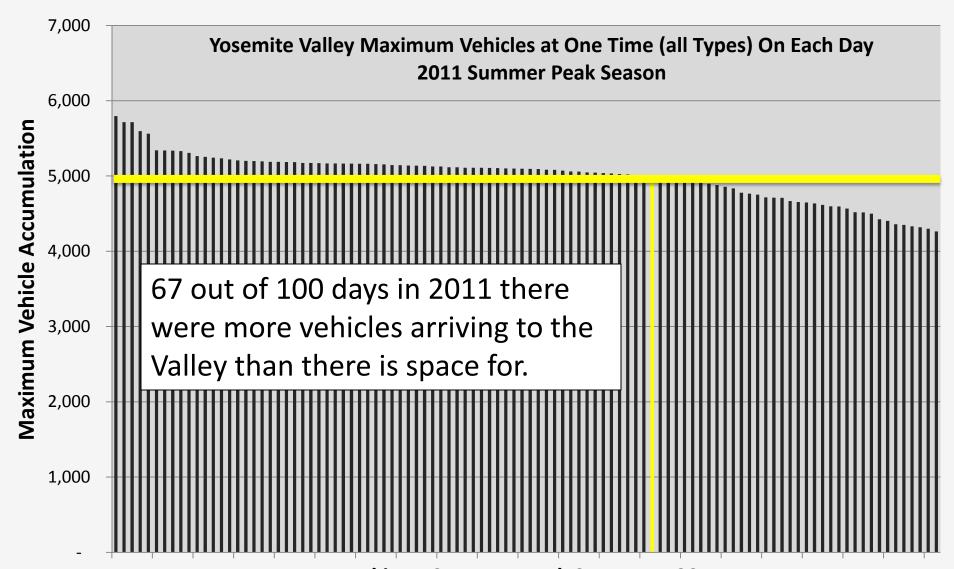
- Personal Vehicle = 84.4%
- Commercial Tour Bus = 4.8%
- RV = 3.2%
- YARTS = 1.3%
- Motorcycle = 1.1%
- Bicycle = 0.2%
- Walk = 0.6%
- Other = 4.4%









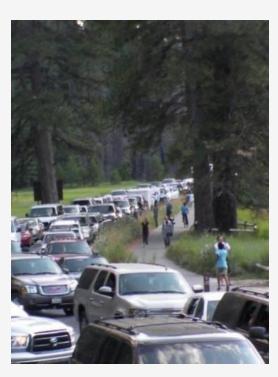


Day Ranking - Summer Peak Season - 100 Days



Traffic and Parking Management

- Extra staff processing vehicles at entrances
- Pass-thru traffic at entrance gates
- Traffic management staff at intersections
- Directed parking at day use lot
- HOV lanes in East Valley
- Traffic diversions at El Cap cross-over



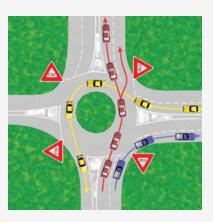




Intersections:

Vehicles vs. Pedestrians





Roundabout



Pedestrian Underpass



Section Five

PROTECTING RIVER VALUES



Scientific Basis for Resource Actions

- Draft Baseline Conditions Report based on best available science
- Specific studies conducted to inform the planning process: e.g., meadows, riparian, sensitive species, bridges, archeology sites
- Yosemite is one of the most intensively studied parks in the National Park System



Actions to Protect River Values Common to All Alternatives

- Remove riverside riprap
- Retain large woody debris in river channel
- Re-vegetate denuded riverbanks
- Establish riparian buffers
- Remove ditches from meadows
- Remove informal trails from wet meadows
- Direct visitor use to more stable and resilient river access points





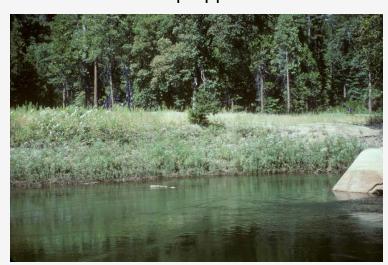
Healthy riverbank riparian vegetation



Devil's Elbow, pre-restoration, 1993



Denuded and riprapped riverbank



Devil's Elbow, post-restoration, 1995
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Potential Meadow Restoration and Protection Measures

- Increased monitoring
- Increased education
- Increased enforcement
- Trail delineation
- Removal of informal trails
- Recontour topography
- Soil decompaction
- Fencing
- Boardwalks

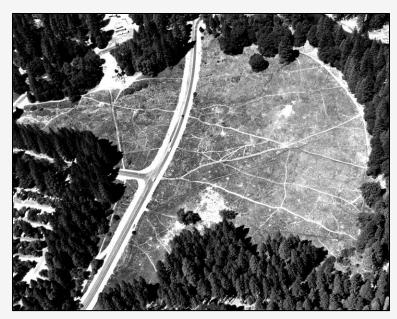
- Adjust roadside parking
- Manage access



El Capitan Meadow in 2000 before installation of parking curbs.



Removing informal trails in Stoneman Meadow



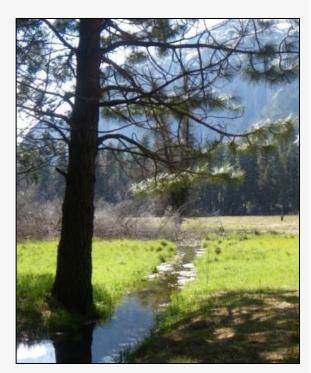
Stoneman Meadow in 1987 before restoration, showing informal trail network



Stoneman Meadow in 2008 after restoration and boardwalk installation



Ditches in Ahwahnee Meadow

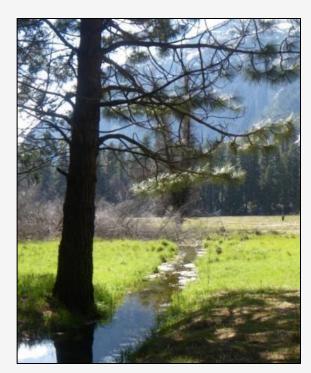


Ahwahnee Meadow ditch

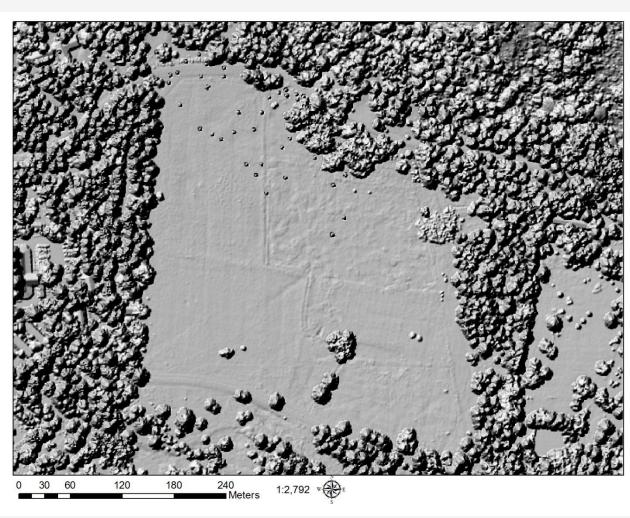




Ditches in Ahwahnee Meadow



Ahwahnee Meadow ditch





Actions That Vary by Alternative

- Degree of ecological restoration:
 - El Capitan Meadow
 - Camp 6 parking area
 - Housekeeping Camp
 - Former Rivers Campgrounds
- Remove or replace some east Valley bridges, or provide engineered mitigations

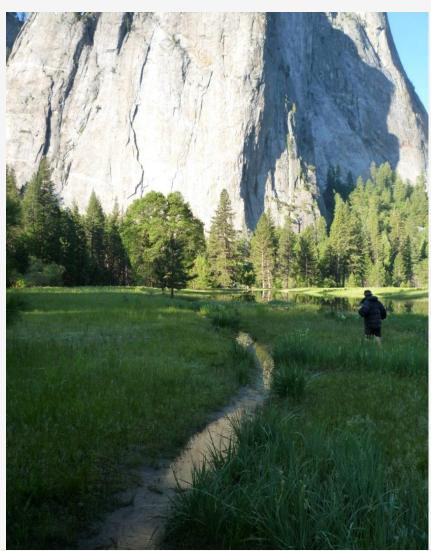




Sugar Pine Bridge



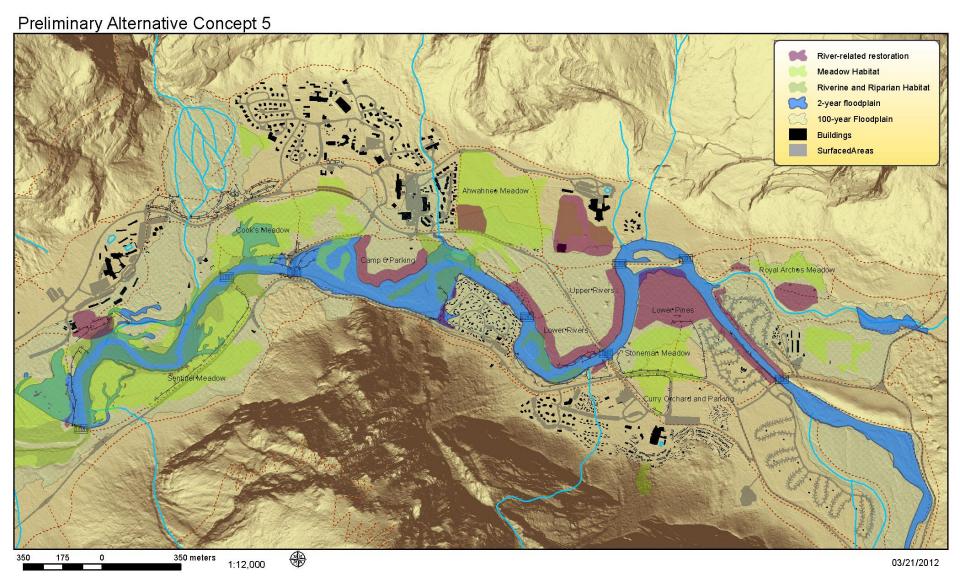
Stoneman Bridge



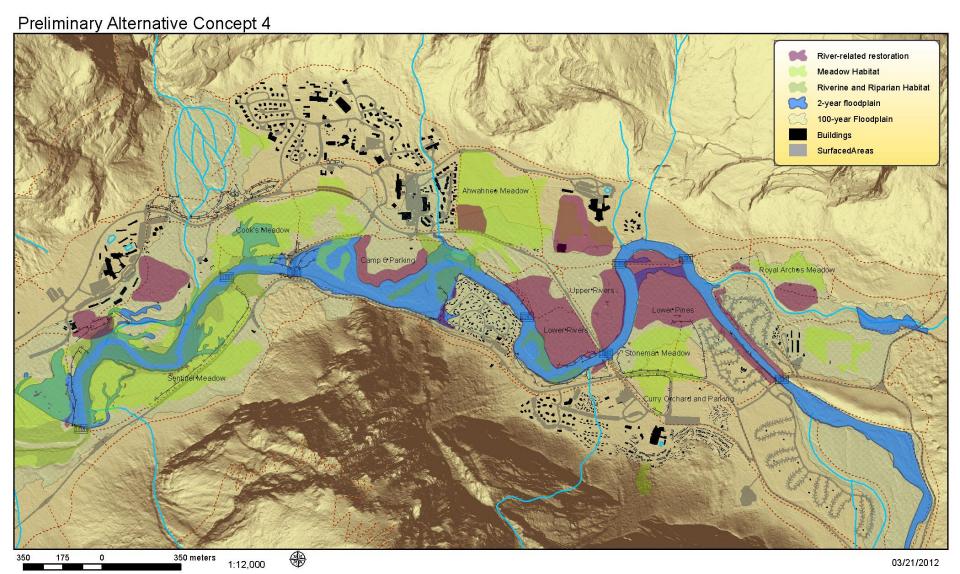
Flooded informal trail in El Capitan Meadow

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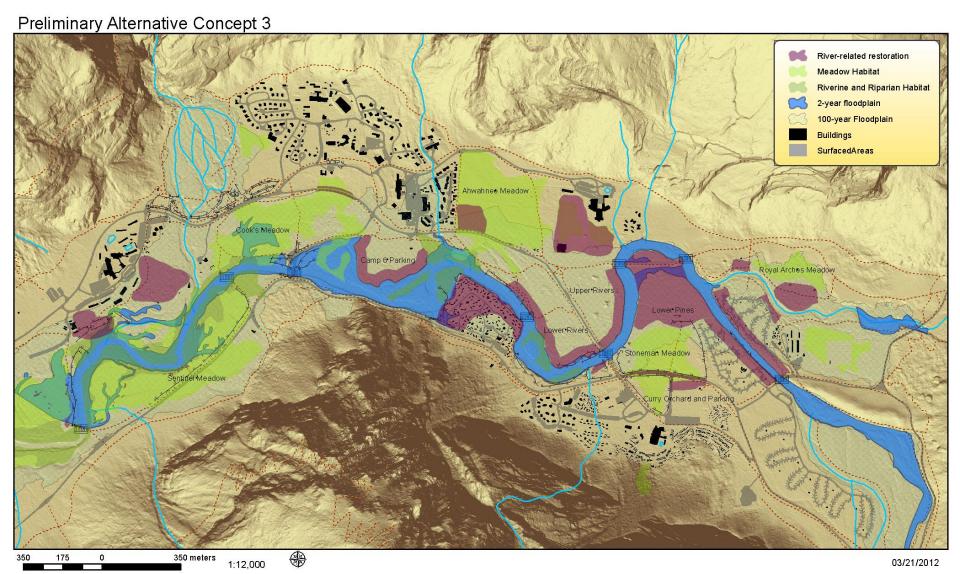




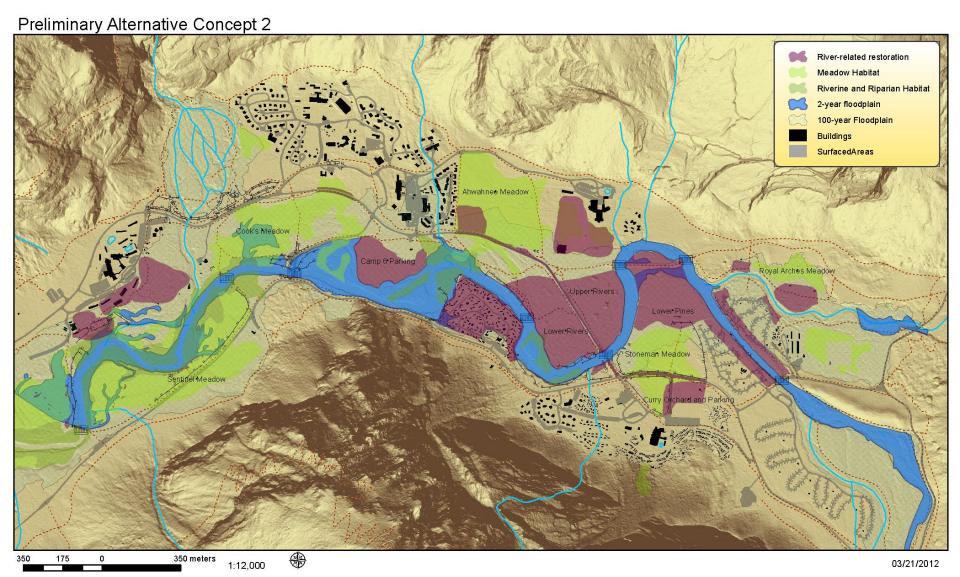




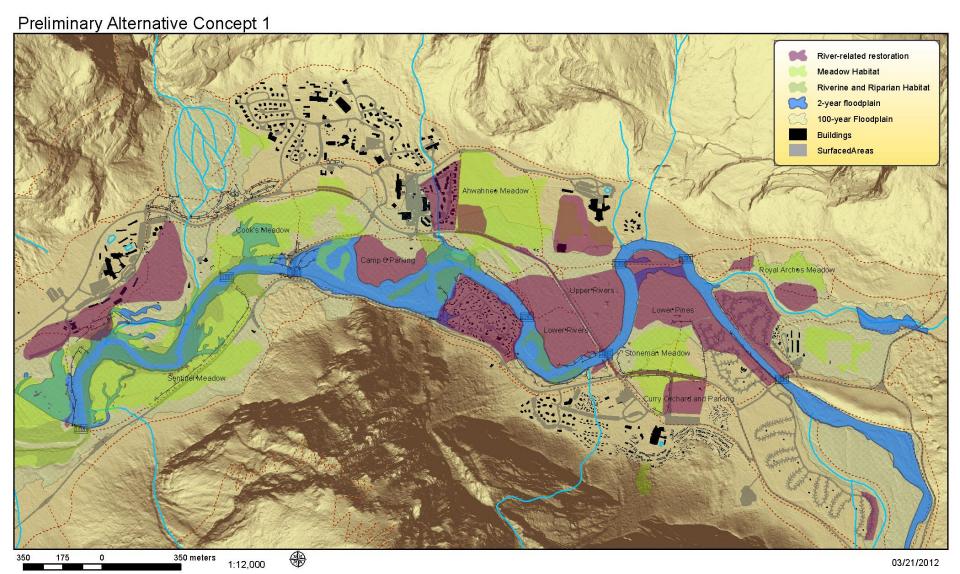














Section Six

OVERVIEW OF CONCEPTS



Self-reliant Experience within the 100-year floodplain

Major restoration within the 100-year floodplain

Accommodates lowest visitor use levels

Significant reduction in facilities and services



336 acres restored



3 bridges and 6,700 linear feet rip-rap removed



Valley Peak Parking Capacity 4,000



Valley Camping Inventory 460



Valley Lodging Inventory 480



Valley Peak Use Levels 14,200



Dispersed Visitor Experiences and Extensive Riverbank Restoration

Significant restoration within 150 feet of the river

Accommodates lower visitor use levels than today

Marked reduction in visitor facilities and services



293 acres restored



3 bridges and 6,100 linear feet rip-rap removed



Valley Peak Parking Capacity 4,400



Valley Camping Inventory 480



Valley Lodging Inventory 700



Valley Peak Use Levels 14,900



Resource-based Experiences and Targeted Riverbank Restoration

Targeted restoration within 150 feet of the river

Accommodates slightly lower visitor use levels than today

Reduced commercial services with large increases in camping















Enhanced Visitor Experiences and Essential Riverbank Restoration

Essential restoration within 100 feet of the river

Accommodates current peak use levels of today

Reduced commercial services with moderate increase in camping



201 acres



2 bridges and 6,100 linear feet rip-rap removed



Valley Peak Parking Capacity 5,900



Valley Camping Inventory 580



Valley Lodging Inventory 1,000



Valley Peak Use Levels 20,500



Diversified Visitor Experiences and Selective Riverbank Restoration

Limited restoration within 100 feet of the river

Allows for some increase to in peak visitor use levels

Expanded facilities and services with largest increase in camping



168 acres restored



6,000 linear feet rip-rap removed

+19%

Valley Peak Parking

Capacity 6,500

+85%



Valley Camping Inventory 860

+21%



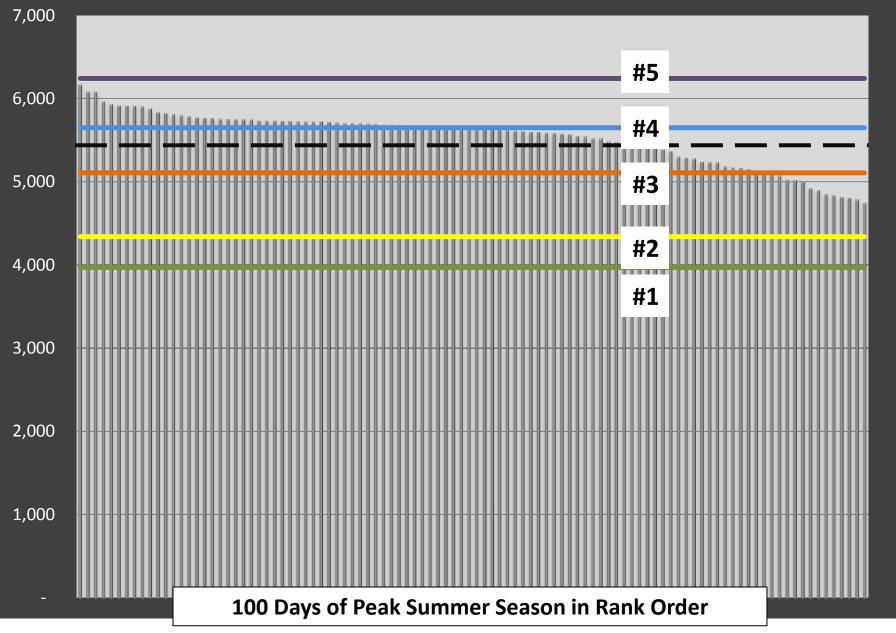
Valley Lodging Inventory 1,300

+17%



Valley Peak Use Levels 24,000

Yosemite Valley Vehicle Accumulation (Parking and Driving on Roadways) Compared to Parking Capacity of Alternatives





Summary Statistics

Concept	No Action	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5
Visitor Use Levels in Yosemite Valley						
Day Visitors to Valley	14,600	10,200	10,200	10,600	14,100	15,500
Overnight Visitors to Valley	5,900	3,900	4,700	6,400	6,400	8,500
Overall Visitation to Valley	20,500	14,200	14,900	17,000	20,500	24,000
Land Use and Development Capacities						
Yosemite Valley						
Valley Lodging Totals	1,100	480	700	890	1,000	1,300
Valley Camping Totals	470	460	480	730	580	860
Valley Parking Totals	5,500	4,000	4,400	5,300	5,900	6,500
Corridor-wide Totals						
Lodging Totals	1,200	590	810	990	1,100	1,400
Camping Totals	570	520	540	790	660	940
Parking Totals	7,800	6,500	6,700	7,700	8,400	9,200

* Workbook pg. 26-27



Day Use Capacity Choices

ALT 1	ALT 2	ALT 3	ALT4	ALT 5
Significantly reduced day use parking capacity →	Reduced day use parking capacity → Day use reservation	Day use parking accommodates current average use demand	Day use parking accommodates current peak use demand →	Provides enough day use parking to meet some future demand →
Day use reservation system managed at gates	system managed onsite	→ Transportation parking fees and real-time traffic management and formal diversions	Transportation entrance fees and real time traffic management and diversions	Phased in day use -management over time using all choices

* Workbook pg. 26-27



Section Seven

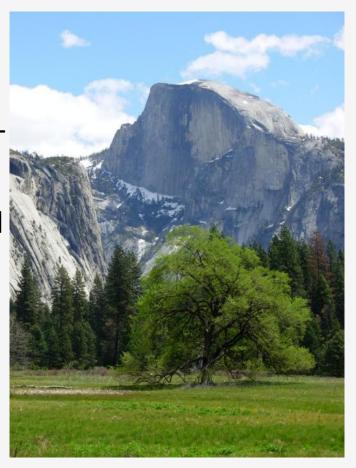
STAY INVOLVED



Public Involvement

NEXT STEPS:

- Preliminary Alternative Concepts workbook and public workshops – March 2012
- Comments most useful if received by April 20, 2012
- Draft Plan/EIS and public comment Fall 2012
- FEIS and ROD Summer 2013

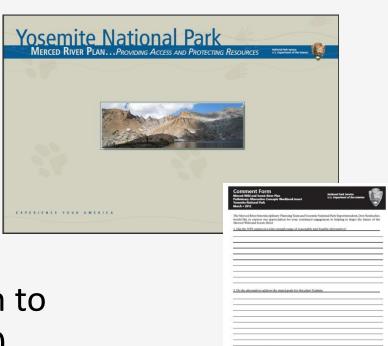




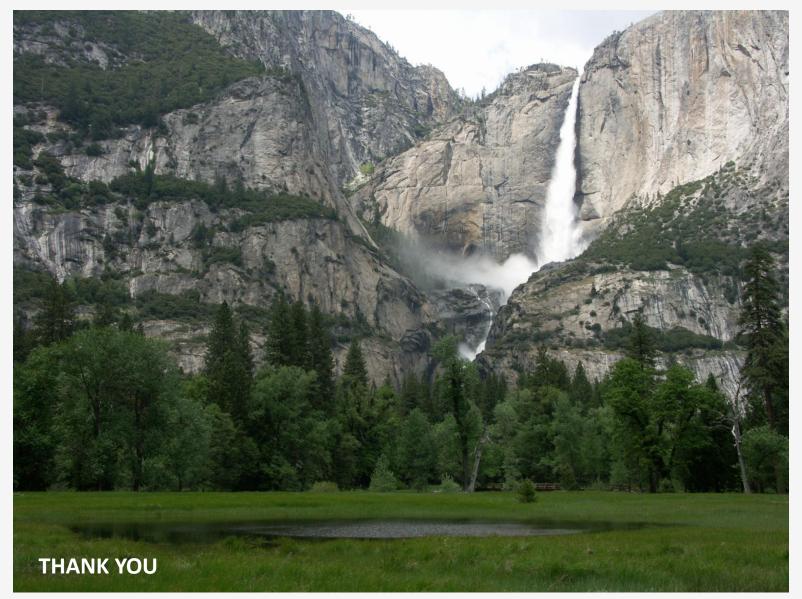
Please STAY involved!

How to get involved today

- Read through the workbook
- Ask rangers at each of the display boards about the five alternative concepts
- Fill out a paper comment form to turn in now or mail by April 20
- Comment electronically through April 20 at <u>http://parkplanning.nps.gov/MRPAlternatives</u>







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