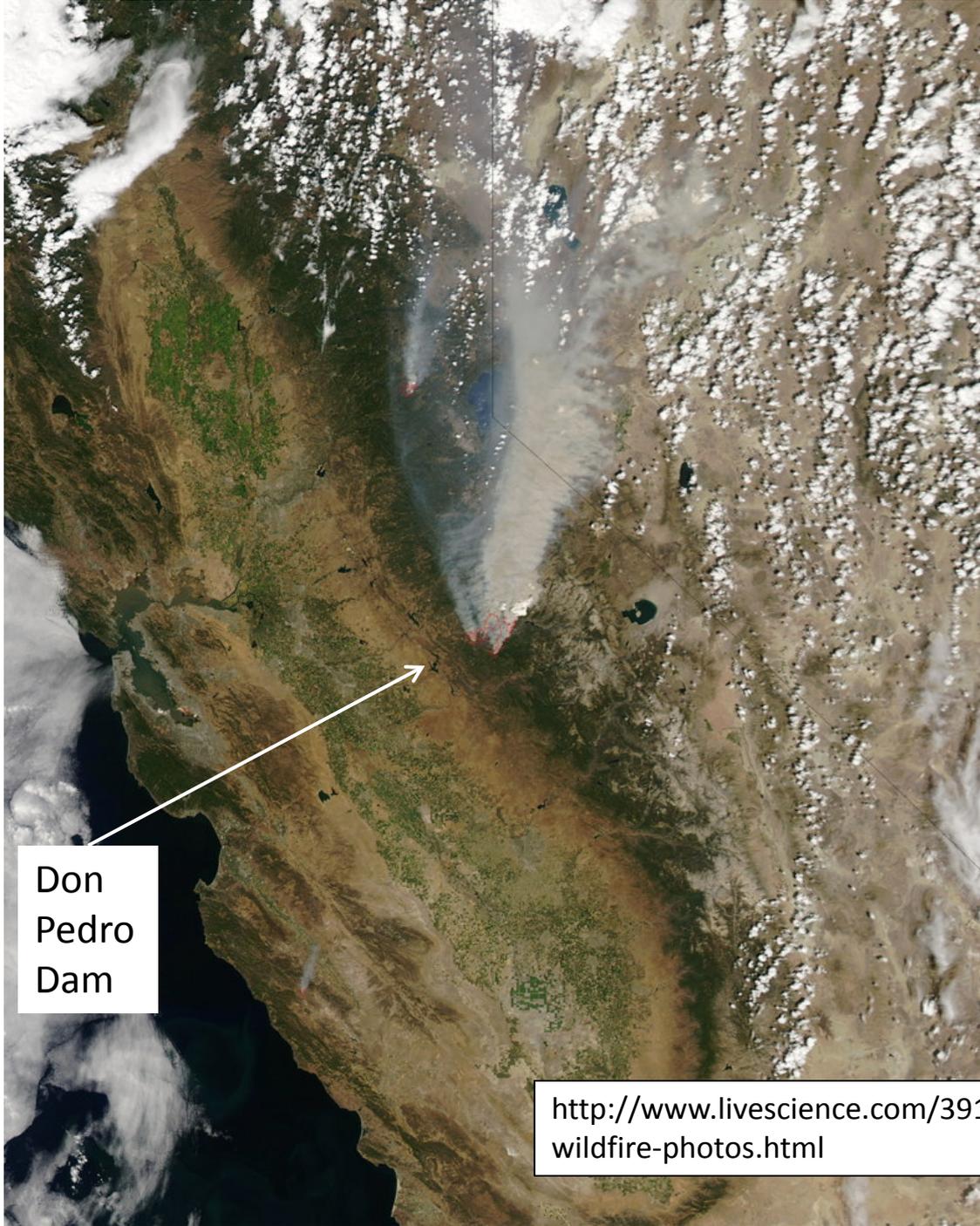


An aerial photograph of a volcanic eruption. The image shows a central crater with a dark, rocky interior. Several large, billowing plumes of white and grey ash and smoke rise from the crater's rim and interior, spreading outwards. The surrounding landscape is rugged and appears to be covered in ash or volcanic debris. The overall scene is dramatic and captures the power of the volcano.

## Post - 2013 Rim Fire Incident Action Plan

<http://www.kcet.org/news/define/rewild/agencies/logging-green-lit-for-52-square-miles-of-rim-fire-burn-area-near-yosemite.html>



Don  
Pedro  
Dam

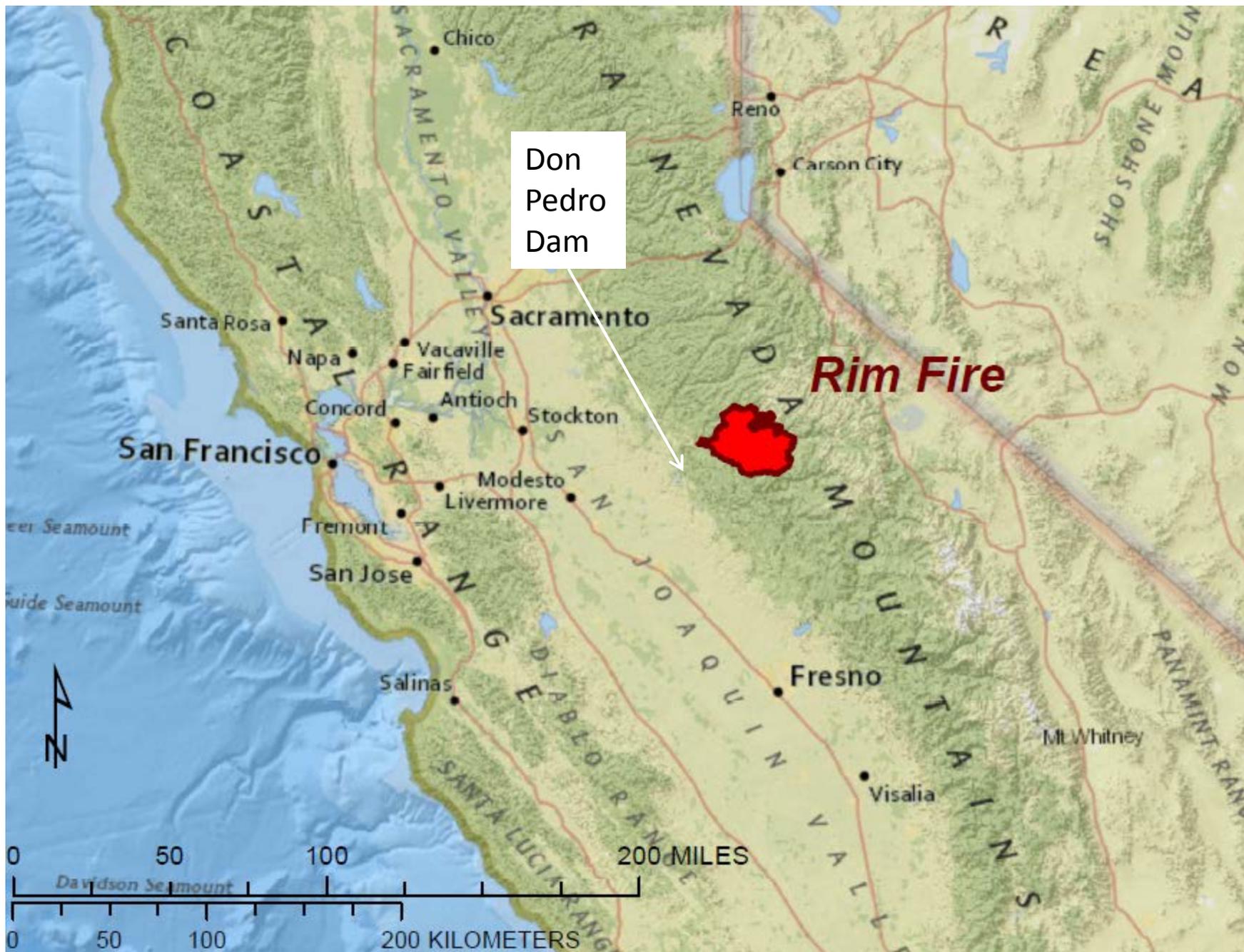
<http://www.livescience.com/39164-yosemite-rim-wildfire-photos.html>

# Background – Don Pedro Dam and Reservoir



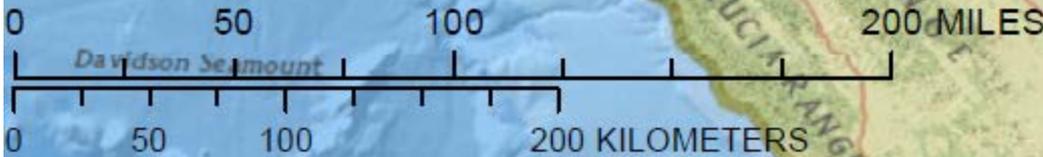
# Project Constraints

- USACE mandated flood control storage of 340,000 Acre-feet from October 7 through April 27. (Don Pedro reservoir at or below 801.9 ft.)
- Project releases in excess of 9,000 cfs will result in overbank flooding requiring further coordination with the USACE.
- Water levels above elevation 830.0 ft. will spill over the uncontrolled spillway crest and wash out Bonds Flat Road.



Don  
Pedro  
Dam

**Rim Fire**

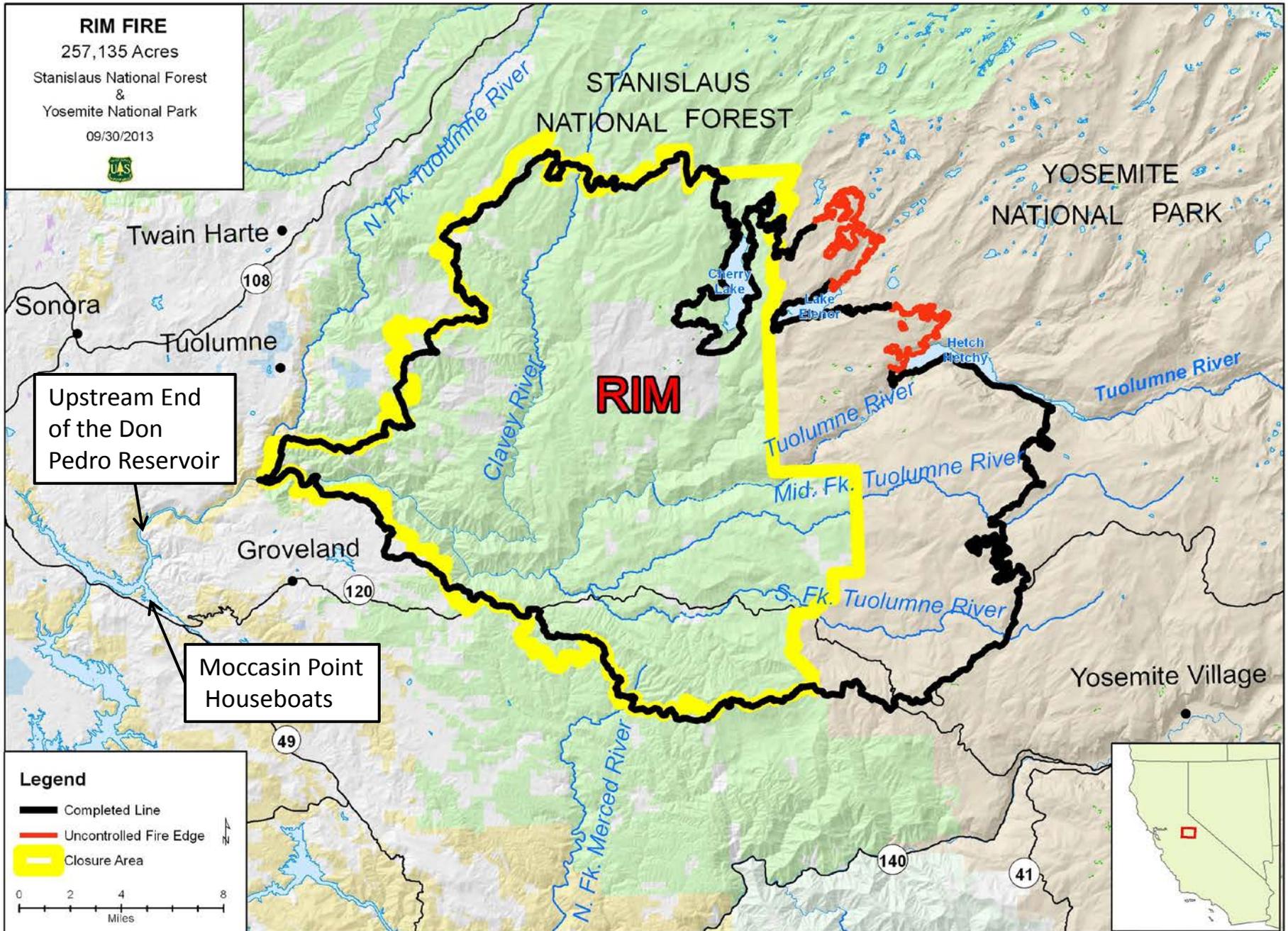


# RIM FIRE

257,135 Acres

Stanislaus National Forest  
&  
Yosemite National Park

09/30/2013



STANISLAUS  
NATIONAL FOREST

YOSEMITE  
NATIONAL PARK

**RIM**

Upstream End  
of the Don  
Pedro Reservoir

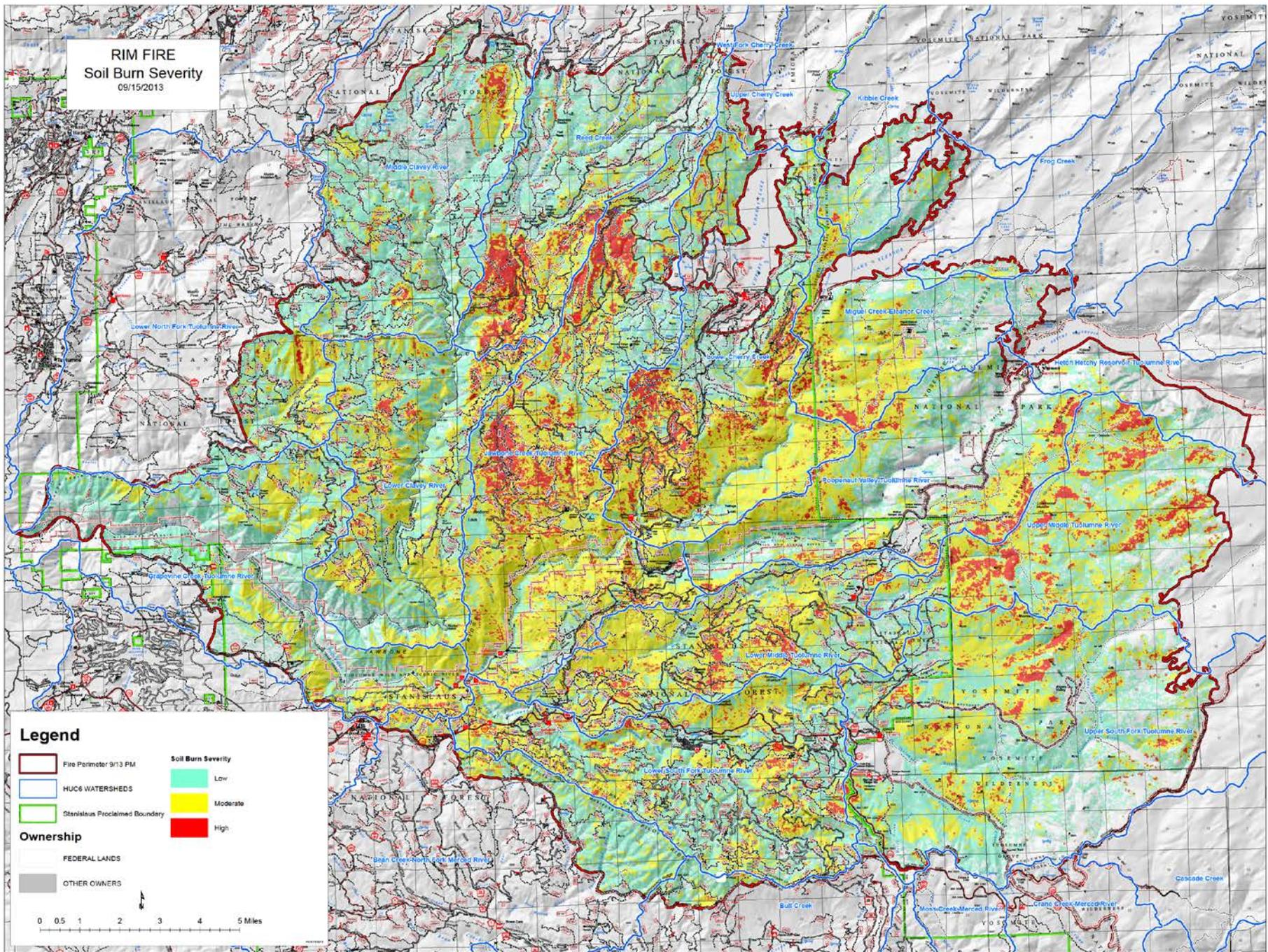
Moccasin Point  
Houseboats

## Legend

- Completed Line
- Uncontrolled Fire Edge
- Closure Area



**RIM FIRE**  
Soil Burn Severity  
09/15/2013



**Legend**

- Fire Perimeter 9/13 PM
- HUC6 WATERSHEDS
- Stanislaus Proclaimed Boundary
- Soil Burn Severity
  - Low
  - Moderate
  - High

**Ownership**

- FEDERAL LANDS
- OTHER OWNERS

0 0.5 1 2 3 4 5 Miles

# Impacts of Forest Fires

- Increase runoff.
- Decrease arrival time of the runoff.
- Increase the likelihood of debris flow
- Increase the likelihood of mobilization of floatable debris
- Critical period the first 3-5 years following a forest fire until vegetation reestablishes.



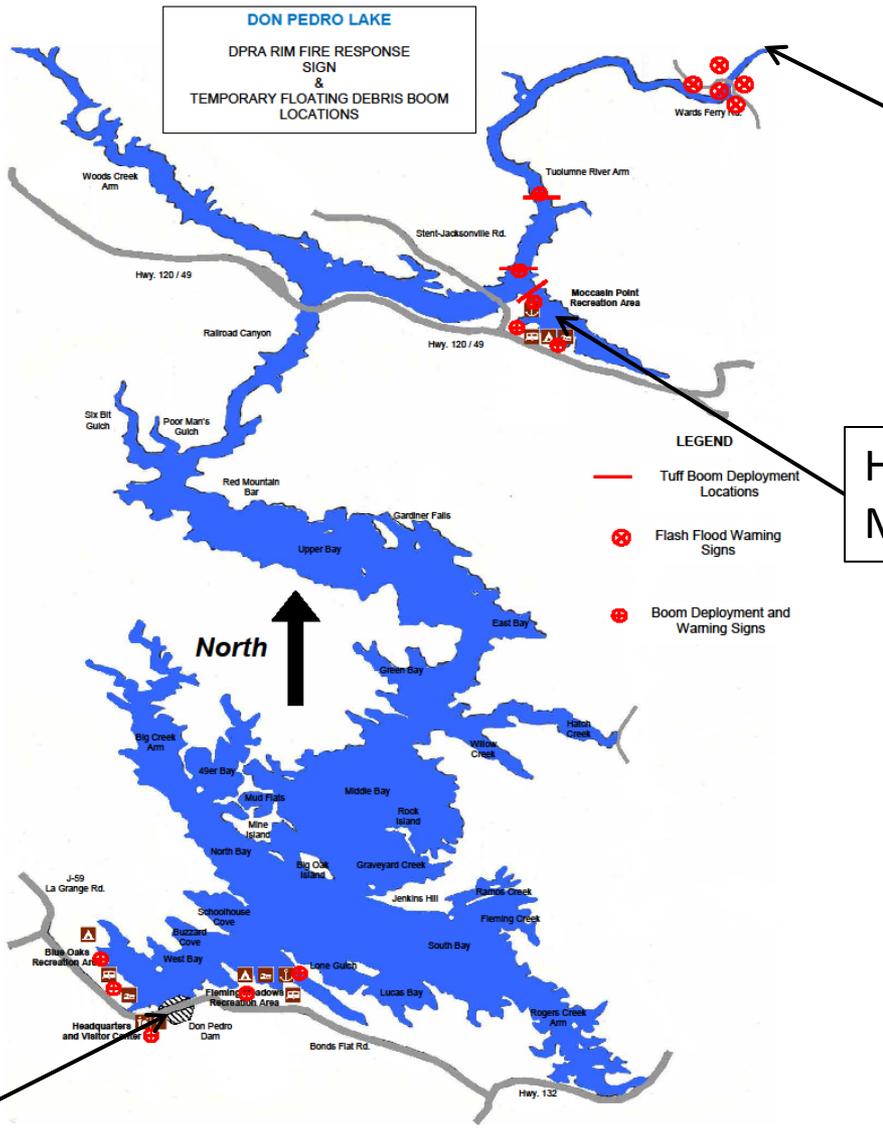


1997 Flood on the Tuolumne River - Don Pedro Dam's spillway and cattle rescue.



# Plan Development

- TID experience controlling floatable debris, most notably the 1997 storm.
- Generally handled by our Don Pedro Recreation Agency, DPRA through boom placements.
- Expand upon and formalize existing procedures.
- Ramp up for larger, more severe events.



Inflows from the Tuolumne

Houseboats Moccasin Point

Don Pedro Dam

# Plan Development

- Recognize that most participants did not have ICS training.
- Team meeting where we learned the basics of Incident Command system (ICS) with Emergency Management (EM) Consultant.
- Team set activation levels and plan objectives
- Core Team with more ICS training developed the plan with EM Consultant to assist



# Significant Storm Floatable Debris Incident Action Plan (SSFD-IAP) Objectives

- Objective 1 - Containment of the large quantity of floatable debris to prevent impacts to recreationists and, in particular, the houseboats anchored near Moccasin Point.
- Objective 2 - Monitor and quickly respond to any water quality issues such as sedimentation, etc.
- Objective 3 - Maintain effective communication with our internal and external partners.

# Stakeholders list

<p><b>Issues</b></p> <ul style="list-style-type: none"> <li>• Personnel/Public Safety</li> <li>• Floatable Debris - Debris In-Flow</li> <li>• Communication (Internal and External)</li> <li>• Water Quality</li> <li>• Forecasting (In-Flow/Run off)</li> <li>• resources : Booms, Equipment, Personnel</li> <li>• Security</li> <li>• staffing</li> <li>• road/bridge closures</li> <li>• alternate traffic routes</li> <li>• activation levels/facilities</li> </ul>	<p><b>Priorities (ranked)</b></p> <ol style="list-style-type: none"> <li>1. Personnel/Public Safety</li> <li>2. Floatable Debris - Debris In-Flow</li> <li>3. Communication (Internal and External)</li> <li>4. Water Quality</li> </ol>
<p><b>Stakeholders</b></p> <ul style="list-style-type: none"> <li>• Customers</li> <li>• Houseboat owners</li> <li>• Recreationists</li> <li>• partner agencies</li> <li>• USGS</li> <li>• TID             <ul style="list-style-type: none"> <li>○ HR</li> <li>○ Safety</li> <li>○ Security</li> <li>○ Risk Management</li> </ul> </li> <li>• DPRA</li> <li>• MID</li> <li>• CCSF</li> <li>• Tuolumne County (SO, OES, Public works)</li> <li>• BLM</li> <li>• CA Fish and Wildlife</li> <li>• US Forest Service</li> <li>• Tuolumne River Trust</li> <li>• CAL Fire</li> <li>• CHP</li> <li>• Policy group - MAC</li> </ul>	

DON PEDRO PROJECT (P-2299, 68-7) Tuolumne County, CA

INCIDENT ORGANIZATION CHART (ICS 207)

<b>1. Incident Name:</b> Significant Storm/Floatable Debris	<b>2. Operational Period:</b> Date From: _____ Date To: _____ Time From: _____ Time To: _____	
<b>3. Organization Chart</b>		
<pre> graph TD     IC[Incident Commander(s)] --- LO[Liaison Officer]     IC --- SO[Safety Officer]     IC --- PIO[Public Information Officer]     IC --- OSC[Operations Section Chief]     IC --- PSC[Planning Section Chief]     IC --- LSC[Logistics Section Chief]     IC --- FASC[Finance/Admin Section Chief]     OSC --- SAM[Staging Area Manager]     OSC --- U1[ ]     OSC --- U2[ ]     OSC --- U3[ ]     OSC --- U4[ ]     PSC --- RUL[Resources Unit Ldr.]     PSC --- SUL[Situation Unit Ldr.]     PSC --- DUL[Documentation Unit Ldr.]     PSC --- DUL2[Demobilization Unit Ldr.]     PSC --- U5[ ]     LSC --- SBD[Support Branch Dir.]     LSC --- SUD[Supply Unit Ldr.]     LSC --- FUL[Facilities Unit Ldr.]     LSC --- GSDL[Ground Spt. Unit Ldr.]     LSC --- SBD2[Service Branch Dir.]     LSC --- CUL[Comms Unit Ldr.]     LSC --- MUL[Medical Unit Ldr.]     LSC --- FUL2[Food Unit Ldr.]     FASC --- TUL[Time Unit Ldr.]     FASC --- PUL[Procurement Unit Ldr.]     FASC --- CUL2[Comp./Claims Unit Ldr.]     FASC --- CUL3[Cost Unit Ldr.]     FASC --- U6[ ]       </pre>		
ICS 207	IAP Page ____	<b>4. Prepared by:</b> Name: _____ Position/Title: _____ Signature: _____ Date/Time: _____

# High Level Coordination

- TID's General Manager or designee keeps policy makers and other government officials up to date on the situation and progress.

# SSFD-IAP Levels

- Level 1 – Awareness/Informational Stage
- Level 2 – Proactive Mitigation Stage
- Level 3 – Expected Impacts Stage
- Level 4 – Severe impacts/Damage Expected



# Level 1 - Priorities in Order of Immediate Importance

- Personnel/Public Safety
- Contain the Incident - Floatable Debris - Debris In-Flow
- Communication (Internal and External)
- Water Quality



## Level 2 - Actions

- Resources including staffing should be monitored and Check In Lists ICS 211 should be used to keep track of them
- A Command Post and Staging Areas will be developed.
- Remembering Span of Control, Boom and or Ranger Groups may be developed.
- Effectively maintain internal and external Communications.
- Identify Media Assembly Areas.

# Conclusions

- Have preplanned actions and a binder with resources?
- Use a single system of command and control so that all workers at an emergency are organized?
- Define who is in charge of what before you have an incident?
- ICS procedures will extend to other incidents?

QUESTIONS?

