

Incident Action Plan

Willow

Incident

CA-TCU-009339

August 29, 2016 – August 30, 2016

0700-0700



Tuolumne - Calaveras Unit



Willow Fire / TCU

INCIDENT OBJECTIVES	1. Incident Name	2. Date	3. Time
	Willow Incident CA-TCU-009339	8/28/16	1840
4. Operational Period 08/29/2016 - 08/30/2016 0700-0700			
5. General Control Objectives for the Incident (include alternatives)			
Management Objectives			
<ul style="list-style-type: none"> • Provide for emergency personnel and public safety at all times • Protect property, improvements, and infrastructure • Foster and maintain relationships with all cooperators and stakeholders • Protect economic, natural, cultural, and heritage resources • Ensure coordinated, timely, and accurate release of public information • Maintain fiscal accountability and keep costs commensurate with values at risk 			
Control Objectives			
Keep fire: <ul style="list-style-type: none"> • South of Mountain Ranch Road • West of Lower Michel Road • North of Old Gulch Road • East of Calaveritas Road 			
6. Weather Forecast for Period See attached Spot Weather Forecast			
7. General Safety Message See attached Safety Message			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Medical Plan - ICS 206 <input type="checkbox"/> (Other)			
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 <input checked="" type="checkbox"/> Spot Weather Forecast			
<input checked="" type="checkbox"/> Communications Plan - ICS 205 <input checked="" type="checkbox"/> Safety Message			
9. Prepared by (Planning Section Chief)		10. Approved by (Incident Commander)	
Chris Post, PSC1		Roy Evans, IC	

FORECAST:

IF CONDITIONS BECOME UNREPRESENTATIVE,
CONTACT THE NATIONAL WEATHER SERVICE.

SPOT FORECAST FOR WILLOW...CAL FIRE
NATIONAL WEATHER SERVICE SACRAMENTO CA
720 PM PDT SUN AUG 28 2016

FORECAST IS BASED ON REQUEST TIME OF 1905 PDT ON AUGUST 28.
IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER
SERVICE.

.DISCUSSION...

DRY WEATHER EXPECTED EARLY THIS WEEK OVER THE FIRE SITE. WINDS
WILL GENERALLY BE LIGHT AND TERRAIN DRIVEN. AFTERNOON RELATIVE
HUMIDITY WILL BE LOW WITH MODERATE OVERNIGHT RECOVERY.

.REST OF TODAY...

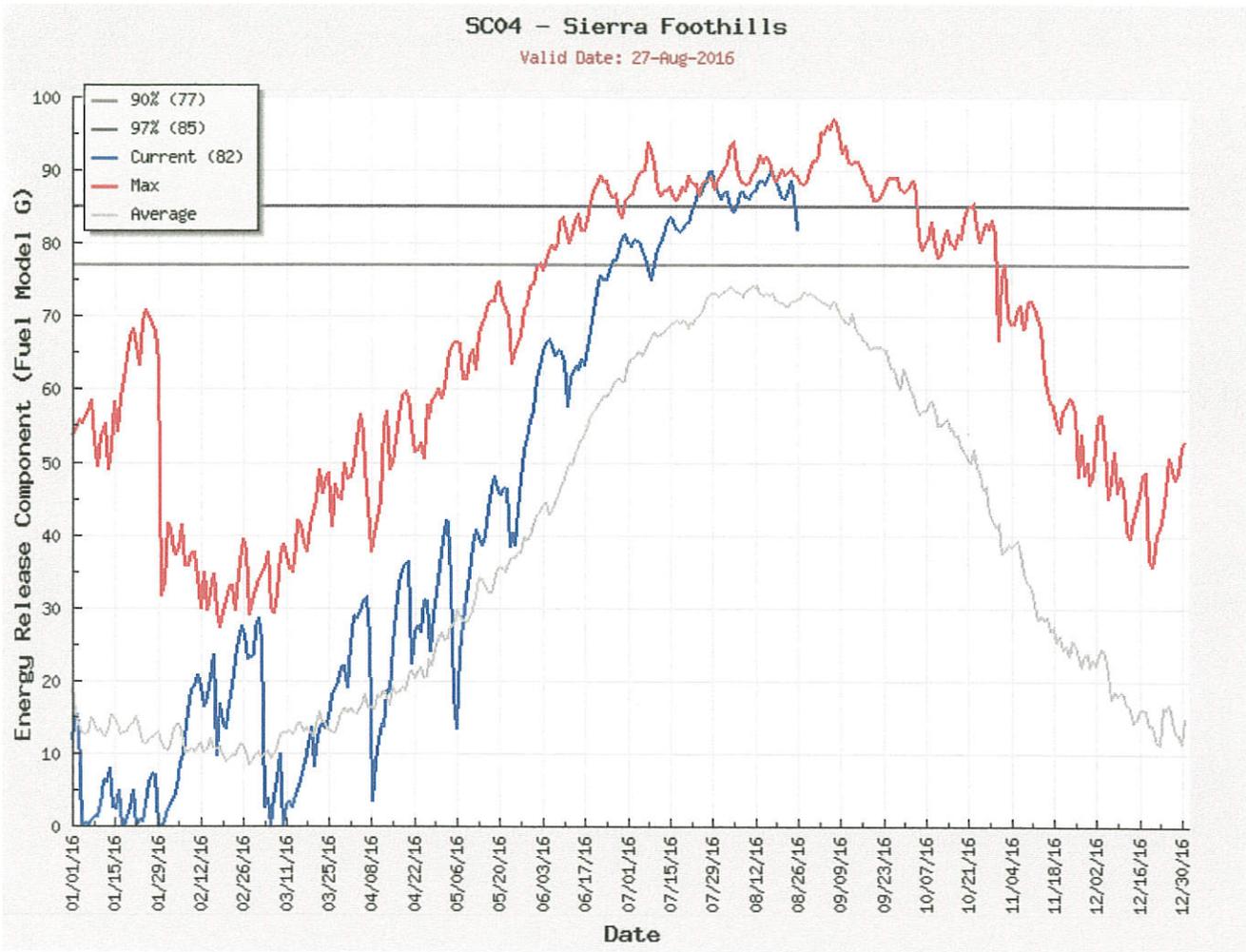
SKY/WEATHER.....SUNNY.
MAX TEMPERATURE.....91-96.
MIN HUMIDITY.....20-25 PERCENT.
WIND (20 FT).....
SLOPE/VALLEY.....NORTHWEST WINDS 5 TO 10 MPH.
RIDGETOP.....WEST 5 TO 10 MPH.
CWR.....0 PERCENT.
LAL.....1.
MIXING HEIGHT.....300-1900 FT AGL INCREASING TO 3700-4000 FT AGL
EARLY IN THE AFTERNOON.
TRANSPORT WINDS.....WEST 5 MPH.

.TONIGHT...

SKY/WEATHER.....CLEAR.
MIN TEMPERATURE.....56-61.
MAX HUMIDITY.....70-75 PERCENT.
WIND (20 FT).....
SLOPE/VALLEY.....NORTHWEST WINDS 5 TO 10 MPH. BECOMING SOUTHEAST
3 TO 6 MPH AFTER MIDNIGHT.
RIDGETOP.....WEST 5 MPH.
CWR.....0 PERCENT.
LAL.....1.
MIXING HEIGHT.....4000 FT AGL DECREASING TO 800-1800 FT AGL EARLY
IN
THE EVENING. TRANSPORT
WINDS.....SOUTHEAST 5 MPH.

.MONDAY...

SKY/WEATHER.....SUNNY.
MAX TEMPERATURE.....93-98.
MIN HUMIDITY.....14-19 PERCENT.
WIND (20 FT).....
SLOPE/VALLEY.....SOUTHEAST WINDS 3 TO 6 MPH SHIFTING TO THE WEST
5 TO 10 MPH IN THE AFTERNOON.
RIDGETOP.....WEST 5 MPH.
CWR.....0 PERCENT.
LAL.....1.
MIXING HEIGHT.....800-2300 FT AGL INCREASING TO 3800-4000 FT AGL
EARLY IN THE AFTERNOON.
TRANSPORT WINDS.....WEST 5 MPH.



Fuels and Fire Behavior Advisory

Southern California GACC

August 22, 2016



Subject: Exceptionally dry fuels, along with significant tree mortality in the Sierra, will create a high potential for extreme fire behavior conditions across much of Southern and Central California.

Discussion: Much of Southern and Central California has been affected by a multiyear severe drought that has caused significant stress to the native vegetation. Recent fires such as the Blue Cut, the Chimney, and the Rey have exhibited extreme fire behavior conditions that have not been observed in many years which underscores how dry the fuels are. Tree mortality in the Sierra continues to grow at an alarming rate with 40-100% mortality in a substantial amount of conifer stands within the Sierra and Sequoia national forests. It is estimated that over 66 million trees have died across California forestland since 2010. Currently, the Cedar Fire burning in the Sequoia national forest presents many safety hazards to firefighters as well as to the general public. For more information about the current tree mortality situation, please visit the Tree Mortality Task Force page at: <http://www.fire.ca.gov/treetaskforce/TreeMortalityMaps>

Difference From Normal Conditions: Live fuel moisture values among the native brush have reached levels that are more typical of late September and early October. Dead fuel moisture in the affected areas is either around the 97th percentile, or is at record levels for this time of year. While there may be periods of slight reprieve from the recent hot and dry weather, no significant improvement in fuel conditions is in sight. In addition, the absence of summertime convection across the mountain areas has left these areas especially dry due to the lack of increased humidity and localized rainfall.

Concerns to Firefighters:

- Due to the abnormally dry fuels, extreme fire behavior such as dangerous rates of spread, torching, crowning, and long range spotting can be expected.
- Fires will burn activity even during benign weather conditions. Active fire behavior can extend well into the night and early morning hours even with moderate humidity recovery.
- Within the tree mortality areas, falling trees and branches along with snags will be a major concern as higher decay rates in dead conifers contribute to an increase in falling material.

Mitigation Measures:

- Local and inbound fire personnel need to be aware of the potential for extreme fire behavior. Local briefings should highlight current weather and fuel conditions, and note any unusual fire behavior that has been observed on recent incidents.
- Suppression actions need to be based on good anchor points, escape routes, and safety zones. **Remember LCES. Experienced lookouts are essential under these conditions.**
- **Base all actions on current and expected behavior of the fire.** Augment initial attack resources as incident activity dictates.
- Review pocket cards, the latest fuel conditions, and the fire potential products from Predictive Services. <http://gacc.nifc.gov/oscc/predictive/weather/>

Area of Concern: This advisory is valid for the following PSAs: SC01 – SC04 and SC06 – SC11. For more details, please see a map of the affected areas at this location: http://www.predictiveservices.nifc.gov/fuels_fire-danger/Fuels_FireBehavior_Advisories.png

Issued: August 22, 2016 (Note this advisory will be in effect for 14 days and will be reviewed/updated at that time.)

INCIDENT RISK ANALYSIS (ICS 215A)

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES
ALL	FIRE BEHAVIOR	<ul style="list-style-type: none"> Review "Severe Fire Behavior Potential" in IRPG Monitor current weather conditions and forecasts. Make sure all personnel receive thorough briefings every shift. Be observant for formation and passage of thunder cells through or close to fire area and alert all personnel. Maintain adequate escape routes and safety zones. Advise all personnel if these are compromised or changed. Set trigger points when appropriate. Adhere to 10 Standard Fire Orders Mitigate any 18 Situations
ALL	DRIVING HAZARDS/ ROADS	<ul style="list-style-type: none"> Drive defensively! Expect the CITIZENS/EVACUEES around every curve. Increase following distances on dusty roads. Slow down when you meet opposing traffic. Drive with headlights on. Be alert for wildlife, heavy trucks, & high speed opposing traffic crossing into your lane. Check traffic approaching behind you when making left turns. Maintain Situational Awareness.
ALL	FATIGUE	<ul style="list-style-type: none"> Be alert for signs of fatigue and take breaks as necessary. Maintain 2:1 work/rest ratio. Monitor incoming resources for level of fatigue.
ALL	SAFETY ZONES	<ul style="list-style-type: none"> ESTABLISH Safety Zones in each Division Follow Safety Zone Guidelines in IRPG Carefully evaluate burned areas before designation as safety zones due to spotty burning in numerous areas. When safety zones are distant from work site, set trigger points to allow personnel to reach them in a timely manner.
ALL	HYDRATION	<ul style="list-style-type: none"> Drinking water before, during and after shifts, up to 1.5 gal. per shift. Be alert for signs of heat stress in yourself and others.
ALL	SMOKE	<ul style="list-style-type: none"> Monitor crew's health. Get medical care for early signs of respiratory illness. Provide rest breaks; have crews get as much sleep as possible; hydrate!
ALL	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> Keep personnel out of drop zones. Use air-to-ground freq. to communicate with aircraft. Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective. Avoid "heli-mopping". Eliminate unnecessary pilot exposure.
ALL	SNAGS/ FIRE-WEAKENED TREE HAZARDS	<ul style="list-style-type: none"> Follow Hazard Tree Safety Guidelines (IRPG p. 80). Many of the trees within the fire area are weakened due to drought and fire activity. Be especially alert around snags during wind events.
Incident Name Willow ICS 215A	DATE PREPARED: 8/28/16 Prepared by: Chris Post, PSC1	OPERATIONAL PERIOD 0700-0700 8/29/2016

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name:
Willow Incident

2. Date/Time Prepared:
Date: 8/28/2016
Time: 2000

3. Operational Period:
Date From: 8/29/2016
Time From: 0700
Date To: 8/30/2016
Time To: 0700

4. Basic Radio Channel Use:

Zone Grp. #	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode (A, D, or M)	Remarks
		Command	CDF CMD 5	ALL	159.35 25N	Tone 3	151.31 75N	Tone 3		
		Tactical	VFire 22	A	154.26 50N	Tone 6	154.26 50N	Tone 6		
		Tactical	VFire 23	H / R	154.29 50N	Tone 6	154.29 50N	Tone 6		
		Air to Ground	CDF Air to Ground 1	ALL	151.22 000N	Tone 16	151.22 000N			
		AIR Guard	GUARD	ALL	168.62 50N		168.62 50N	Tone 1		

5. Special Instructions:

6. Prepared by (Communications Unit Leader): Name: Matt Brady

Signature: _____

ICS 205

Date/Time: 8/28/2016 9:00 PM

IAP Page

MEDICAL PLAN ICS 206		1. INCIDENT NAME Willow Incident	2. DATE PREPARED 08/28/2016	3. TIME PREPARED 2330	4. OPERATIONAL PERIOD 08/29/16 – 08/30/2016					
5. INCIDENT MEDICAL AID STATIONS										
MEDICAL AID STATIONS		LOCATION			PARAMEDICS					
					YES		NO			
All Engines		Incident								
6. TRANSPORTATION										
A. AMBULANCE SERVICES										
NAME		LOCATION		PHONE		PARAMEDICS				
						YES		NO		
American Legion Ambulance		San Andreas / Angels Camp		(209) 754-3498		X				
PHI Air Medical		Columbia		(209) 576-1645		X				
REACH 17		Mather		(800) 338-4045		X				
B. INCIDENT AMBULANCES										
NAME		LOCATION			PARAMEDICS					
					YES		NO			
None										
7. HOSPITALS										
NAME	ADDRESS		TRAVEL TIME		PHONE		HELIPAD		BURN CENTER	
Med Net Channel			AIR	GRND			YES	NO	YES	NO
Mark Twain Hospital	San Andreas		5	10	(209) 754-3521		X			X
UC Davis Medical Center	Sacramento		25	80	(916) 734-3892		X		X	
8. MEDICAL EMERGENCY PROCEDURES										
EMERGENCY FREQUENCY:					INJURY REPORTING PROCEDURES					
LINE EMERGENCY: Crew Supervisor will contact Division Supervisor with patient complaint/condition and location. <ul style="list-style-type: none"> Division/Group Supervisor contacts: <ol style="list-style-type: none"> Closest EMS resource Communications Unit Communications Unit contacts: <ol style="list-style-type: none"> Ground or Air ambulance as requested Operations Safety Medical Unit Division Supervisor or designee will serve as point of contact and run medical emergency on assigned channel. <ol style="list-style-type: none"> A pre-assigned tactical frequency (i.e. CALCORD) should be used for IWI and only for duration of need. Communications Unit will clear command channel for emergency traffic as needed and only for duration of need. CAMP EMERGENCY: Contact Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident: <ul style="list-style-type: none"> Medical Unit contacts: <ol style="list-style-type: none"> Communications Safety Logistics Operations Crew Supervisor Comps/Claims 					NATURE OF INJURY _____ LOCATION OF PATIENT _____ POINT OF CONTACT _____ TRANSPORTATION REQUESTED BY: AIR ___ GROUND ___ POINT OF PICKUP _____ LAT _____ LONG _____ PATIENT UNIT ID _____ IS AN EMT WITH PATIENT: YES ___ NO ___ AGE _____ SEX: MALE ___ FEMALE ___					
ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.										
ICS 206 (Rev 03/12) FR		9. PREPARED BY: (Medical Unit Leader) Derek Parker			10. REVIEWED BY: (Safety Officer) Chris Post					

Willow Incident

Ground Support & Demobilization

Report to

San Andreas
CAL FIRE Tuolumne Calaveras Unit
785 Mountain Ranch Rd.
San Andreas, CA 95249

Questions Contact Jessie Truelock
(209) 419-4430

Willow Incident

Finance

CALFIRE Finance Questions

Contact:

Greg Adams
(209) 419-4402

Or

Jenifer Ingersoll
(209) 754-2758

OES Resources Report to

OES AREP

Gary Humphrey
(916) 952-5214

EMERGENCY SHIFT TICKET and EVALUATION FORM					Contractor Name	
The responsible Government Officer will complete this form each shift.					Fireline Builders	
Incident or Project Name Wild		Incident Number CALNU 123456	Request Number E-60		Operator #1 Jim Smith	Operator #2 John Jones
Agreement Number LNU76543210					Operator Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Equipment Make Peterbilt		Equipment Model / Type Transport			Operating Supplies Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Serial Number S18934789		License Number 7C27948			Equipment Status Inspected <input type="checkbox"/> Released by Government <input checked="" type="checkbox"/> Under Agreement	
Equipment Use					Released by Government <input checked="" type="checkbox"/> Withdrawn by Contractor	
Date Mo / Day		Start	Stop	(Circle) Hours	Days / Miles	
7/16		1300	1500	2	Travel In	
7/16		1500	1700	2	Travel Out	
Vendor Rating					Govt. Rep. Name and Position - PRINT Mike Brown, Div B	
Met Performance Expectations		Poor*	Avg.	Good	Exc.	N/A
Equipment in Safe Working Condition		Vendor Rating must be done.				
Operator Skill Level						
Operates Safely						
Operator's Cooperation Level						
Overall Performance						
* NOTE: Any rating of POOR requires an explanation in Comment Section.					Govt. Rep. Signature Mike Brown	
**Final evaluation or for more documentation, use an ICS Form 230 or equivalent.					Contractor Signature Jim Smith	
					Date 07/16/12	
					Time 1500	
					CALFIRE 297 (Rev 3-2011)	

Pink - Finance Blue - Home Unit HE Coordinator Yellow - Vendor White - Govt Representative

EMERGENCY SHIFT TICKET and EVALUATION FORM					Contractor Name	
The responsible Government Officer will complete this form each shift.					Fireline Builders	
Incident or Project Name Wild		Incident Number CALNU 123456	Request Number E-59		Operator #1 Jim Smith	Operator #2 John Jones
Agreement Number LNU01234567					Operator Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Equipment Make CAT		Equipment Model / Type Dozer D6H			Operating Supplies Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Serial Number 6LN3344		License Number			Equipment Status Inspected <input type="checkbox"/> Released by Government <input checked="" type="checkbox"/> Under Agreement	
Equipment Use					Released by Government <input type="checkbox"/> Withdrawn by Contractor	
Date Mo / Day		Start	Stop	(Circle) Hours	Days / Miles	
7/16		1300	1500	2	Travel In	
7/16		1500	2400	9	Division B	
7/17		0001	0800	8	Division B	
Vendor Rating					Govt. Rep. Name and Position - PRINT Mike Brown, Div B	
Met Performance Expectations		Poor*	Avg.	Good	Exc.	N/A
Equipment in Safe Working Condition		Vendor Rating must be done.				
Operator Skill Level						
Operates Safely						
Operator's Cooperation Level						
Overall Performance						
* NOTE: Any rating of POOR requires an explanation in Comment Section.					Govt. Rep. Signature Mike Brown	
**Final evaluation or for more documentation, use an ICS Form 230 or equivalent.					Contractor Signature Jim Smith	
					Date 07/17/12	
					Time 0800	
					CALFIRE 297 (Rev 3-2011)	

Pink - Finance Blue - Home Unit HE Coordinator Yellow - Vendor White - Govt Representative

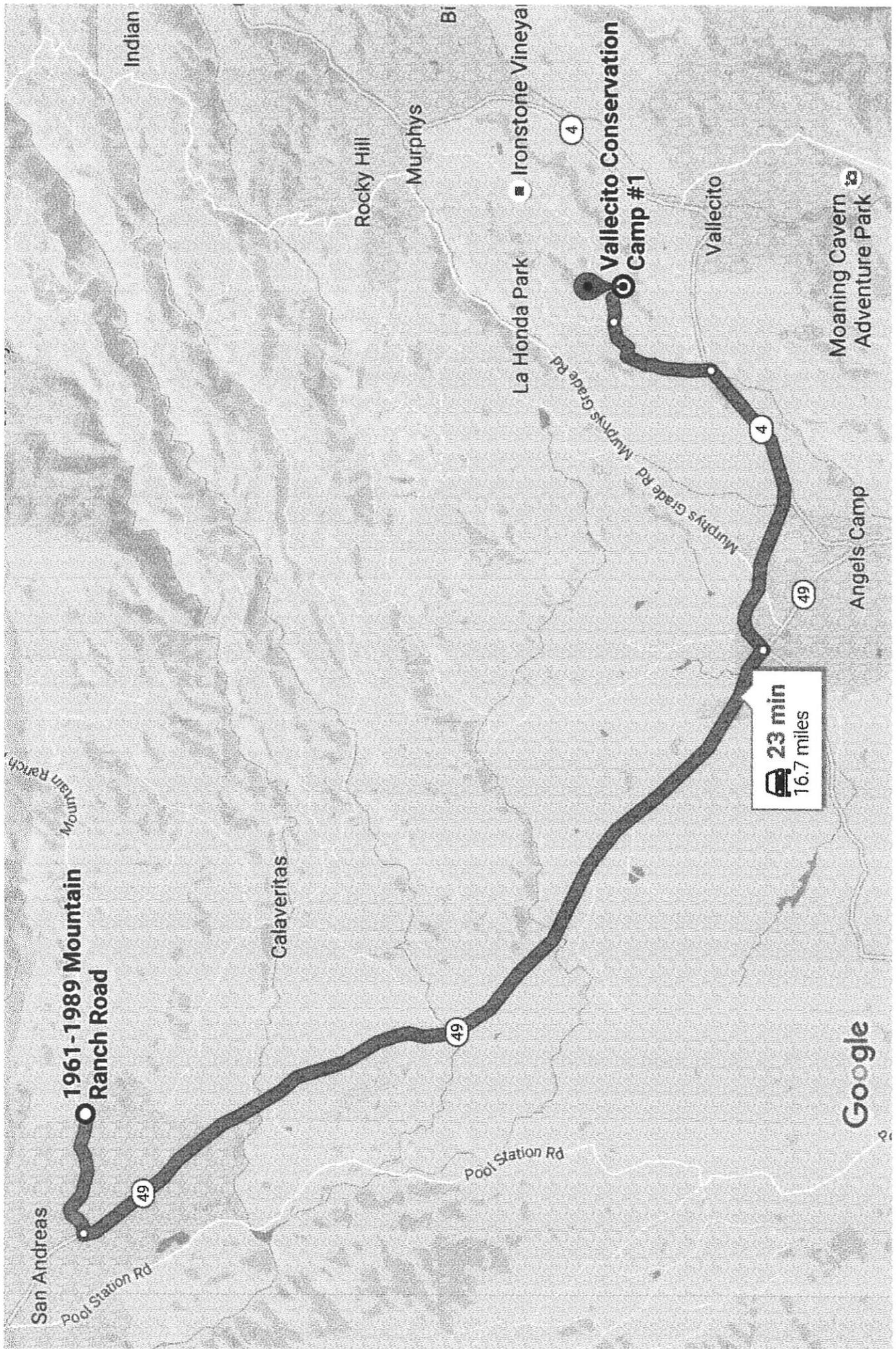
EMERGENCY SHIFT TICKET and EVALUATION FORM					Contractor Name	
The responsible Government Officer will complete this form each shift						
Incident or Project Name		Incident Number		Request Number		Contractor Name
Wild		CALNU 123456		E-64		Water Haulers
Agreement Number					Operator #1	
LNU22223333					Sean Rodgers	
Equipment Make					Operator #2	
Peterbilt					Wayne Rodgers	
Equipment Model / Type					Operator Furnished By:	
4000 Gallon					<input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Serial Number					Operating Supplies Furnished By:	
11343N					<input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Licence Number					Equipment Status	
6A256483					<input type="checkbox"/> Inspected <input checked="" type="checkbox"/> Under Agreement	
Equipment Use					Released by Government	
					Withdrawn by Contractor	
Remarks/Comments **						
2 Operators						
Vendor Rating					Govt. Rep. Name and Position - PRINT	
					Mike Brown, Div B	
Met Performance Expectations					Govt. Rep. Signature	
					Mike Brown	
Equipment in Safe Working Condition					Contractor Signature	
					Jim Smith	
Operator Skill Level					Date	
					07/17/12	
Operates Safely					Time	
					0800	
Operator's Cooperation Level					Date	
Overall Performance					Time	
* NOTE: Any rating of POOR requires an explanation in Comment Section.						
**Final evaluation or for more documentation, use an ICS Form 230 or equivalent.						
					CALFIRE 297	
					(Rev 3-2011)	

Pink - Finance

Blue - Home Unit HE Coordinator

Yellow - Vendor

White - Govt Representative



San Andreas

Pool Station Rd

1961-1989 Mountain Ranch Road

Calaveritas

49

Rocky Hill

Murphys

La Honda Park

Ironstone Vineyard

Vallecito Conservation Camp #1

Vallecito

Moaning Cavern Adventure Park

Angels Camp

23 min
16.7 miles

Google

