

**** CORRECTED ****

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			
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	

ORGANIZATION ASSIGNMENT LIST		9. Operations Section	
		Chief	Brad Niven
1. INCIDENT NAME Willow Incident CA-TCU-009339		Deputy	
2. Date 08/28/16	3. Time 1845	a. Branch I - Division/Groups	
		Branch Director	
4. Operational Period 08/29/2016 - 08/30/2016 0700-0700		Deputy	
		Division/Group	A Jim Fitzgerald
Position	Name	Division/Group	H Gino Degraffenried
5. Incident Commander and Staff		Division/Group	R Dennis Smith
Incident Commander	Roy Evans	Division/Group	
Deputy		Division/Group	
Safety Officer		b. Branch II - Division/Groups	
Information Officer	Nancy Longmore	Branch Director	
Deputy	Lindy Shoff	Deputy	
Liaison Officer		Division/Group	
6. Agency Representative		Division/Group	
Agency	Name	Division/Group	
Cal OES	Gary Humphrey	Division/Group	
California Highway Patrol	Gary Soria	Division/Group	
Calaveras County OES	Tim Strum	c. Staging	
CDCR	Tim Orpurt	Staging Area Manager	
PG&E	Dave Berry	Division/Group	
		Division/Group	
		Division/Group	
		Division/Group	
		Division/Group	
7. Planning Section		d. Air Operations Branch	
Chief	Chris Post	Air Operations Branch Director	
Deputy	Derek Parker	Air Attack Supervisor	
Resource Unit	Shawn Holden	Air Support Supervisor	
	Grant Russell	Helicopter Coordinator	
Situation Unit		Air Tanker Coordinator	
Documentation Unit		10. Finance Section	
Demobilization Unit		Chief	Jennifer Ingersoll
Training		Deputy	
8. Logistics Section		Time Unit	
Chief	Lisa Williams	Procurement Unit	
Deputy		Compensation/Claims Unit	
Technical Specialist	Annette Avila	Cost Unit	
Technical Specialist	Dave Suarez		
Technical Specialist	Buddy DeMasters		
		Prepared by (Plans Section Chief)	
		Chris Post	

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...

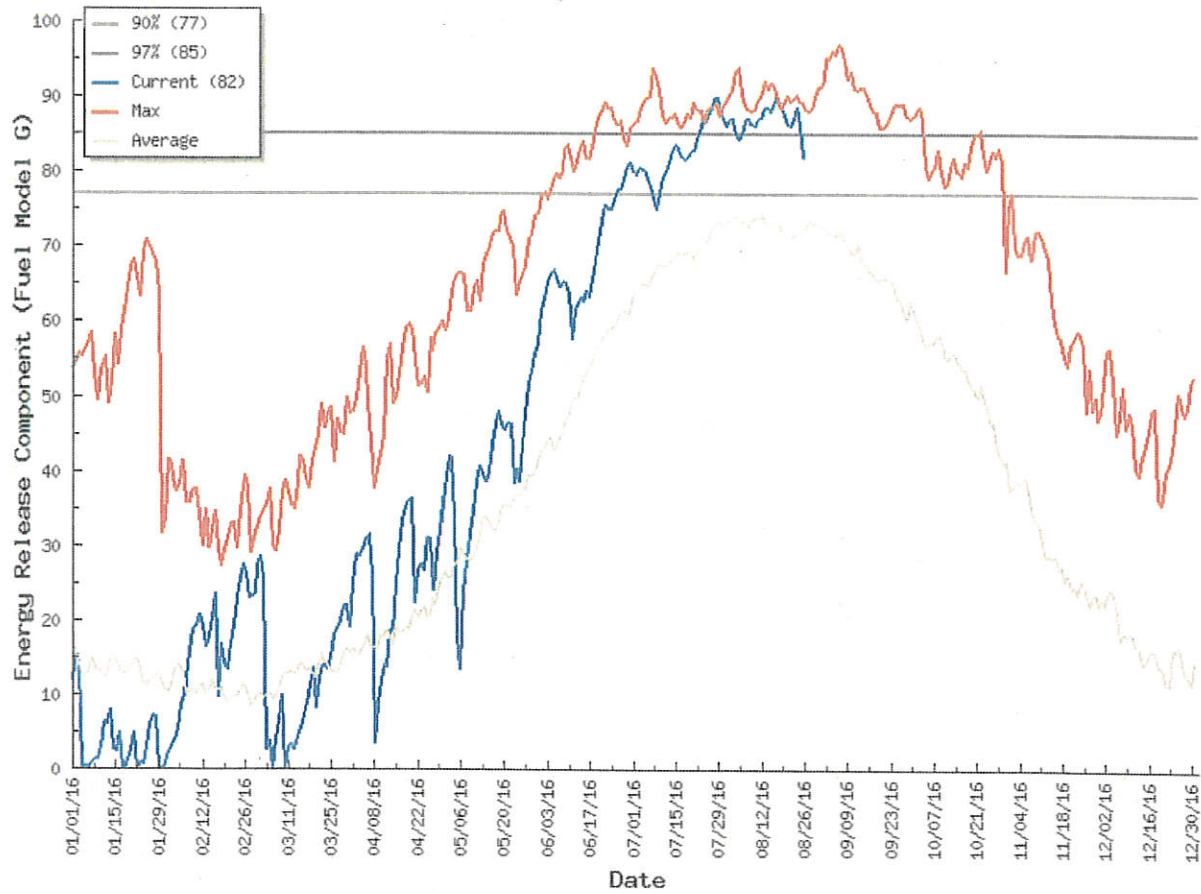
SKY/WEATHER.....CLEAR.
MIN TEMPERATURE.....56-61.
MAX HUMIDITY.....70-75 PERCENT.
WIND (20 FT).....
SLOPE/VALLEY.....NORTHWEST WINDS 5 TO 10 MPH. BECOMING SOUTHEAST
3 TO 6 MPH AFTER MIDNIGHT.
RIDGETOP.....WEST 5 MPH.
CWR.....0 PERCENT.
LAL.....1.
MIXING HEIGHT.....4000 FT AGL DECREASING TO 800-1800 FT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

SC04 - Sierra Foothills

Valid Date: 27-Aug-2016



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

HIGHLIGHTS / CORRECTIONS

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group Division H			
3. Incident Name Willow Incident		4. Operational Period Date: 8/29/2016 to 8/30/2016 Time: 0700-0700					
5. Operations Personnel							
Operations Chief	Brad Niven		Division/Group Supervisor	Gino Degraffenreid			
Branch Director			Branch Safety				
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	On Line	Off Line	
9146C	Gino Degraffenreid	18	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
4158C	Mark Repetto	22	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
9240G	Clint Swenson	31	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
9245G	Dave Height	30	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
E-10 Dozer Hertzig		1	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
E-11 Dozer Lynch	Marty Lynch	1	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
E-15 WT Bob Noble & Sons	Bob Noble	2	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
E-36 WT AAA	Greg Olson	2	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
E-37 WT Blue Iron	Toby Roberts	2	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
HEQB	Gary Whitson	1	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
E-12 Dozer Transport Lynch	Marty Lynch	1	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
E-13 Dozer Transport Hertzig		1	ICP/0700	700	<input type="checkbox"/>	<input type="checkbox"/>	
7. Work Assignments: Construct and improve fireline Mop up and ensure complete extinguishment in and around structures Validate fire perimeter Back haul trash							
8. Special Instructions Beware of snakes, bees, and wasp hazards.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 159.3525N Tone 3- RX/103.5 TX 151.3175	King NIFC	CDF CMD 5	Air Guard	RX 168.6250N Tone 1-TX/110.9 TX 168.6250N	King NIFC	GUARD
Tactical Div/Group	RX 154.2950 Tone 6/ 156.7 TX 154.2950	King NIFC	VFIRE 23	Air to Ground	151.2200N Tone 16/ 192.8 TX/RX	King NIFC	CDF A/G 1
Prepared by (Resource Unit Ldr.) Shawn Holden		Approved by (Planning Sect. Ch.) Chris Post		Date 8/28/2015		Time 2330	

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								
<u>EMERGENCY FREQUENCY:</u> <u>LINE EMERGENCY:</u> 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"> 1. Closest EMS resource 2. Communications Unit • Communications Unit contacts: <ol style="list-style-type: none"> 1. Ground or Air ambulance as requested 2. Operations 3. Safety 4. 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"> 1. 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. <u>CAMP EMERGENCY:</u> 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"> 1. Communications 2. Safety 3. Logistics 4. Operations 5. Crew Supervisor 6. Comps/Claims 					<u>INJURY REPORTING PROCEDURES</u> 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		Operator Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government				
Agreement Number LNU76543210					Operating Supplies Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Equipment Make Peterbilt		Equipment Model / Type Transport				Equipment Status Inspected <input checked="" type="checkbox"/> Under Agreement
Serial Number S18934789		License Number 7C27948				Released by Government <input type="checkbox"/> Withdrawn by Contractor <input checked="" type="checkbox"/>
Equipment Use						
Date		(Circle) Hours		Days / Miles		
Mo / Day	Start	Stop	Work	Assignment		
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	
Mat 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		Govt. Rep. Signature Mike Brown				
* NOTE: Any rating of POOR requires an explanation in Comment Section.					Contractor Signature Jim Smith	
**Final evaluation or for more documentation, use an ICS Form 230 or equivalent.					Date 07/16/12	
Pink - Finance					Time 1500	
Blue - Home Unit HE Coordinator					CALFIRE 287 (Rev 3-2011)	
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		Operator Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government				
Agreement Number LNU01234567					Operating Supplies Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Equipment Make CAT		Equipment Model / Type Dozer D6H				Equipment Status Inspected <input checked="" type="checkbox"/> Under Agreement
Serial Number 6LN3344		License Number				Released by Government <input type="checkbox"/> Withdrawn by Contractor <input type="checkbox"/>
Equipment Use						
Date		(Circle) Hours		Days / Miles		
Mo / Day	Start	Stop	Work	Assignment		
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	
Mat 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		Govt. Rep. Signature Mike Brown				
* NOTE: Any rating of POOR requires an explanation in Comment Section.					Contractor Signature Jim Smith	
**Final evaluation or for more documentation, use an ICS Form 230 or equivalent.					Date 07/17/12	
Pink - Finance					Time 0800	
Blue - Home Unit HE Coordinator					CALFIRE 287 (Rev 3-2011)	
Yellow - Vendor					White - Govt Representative	

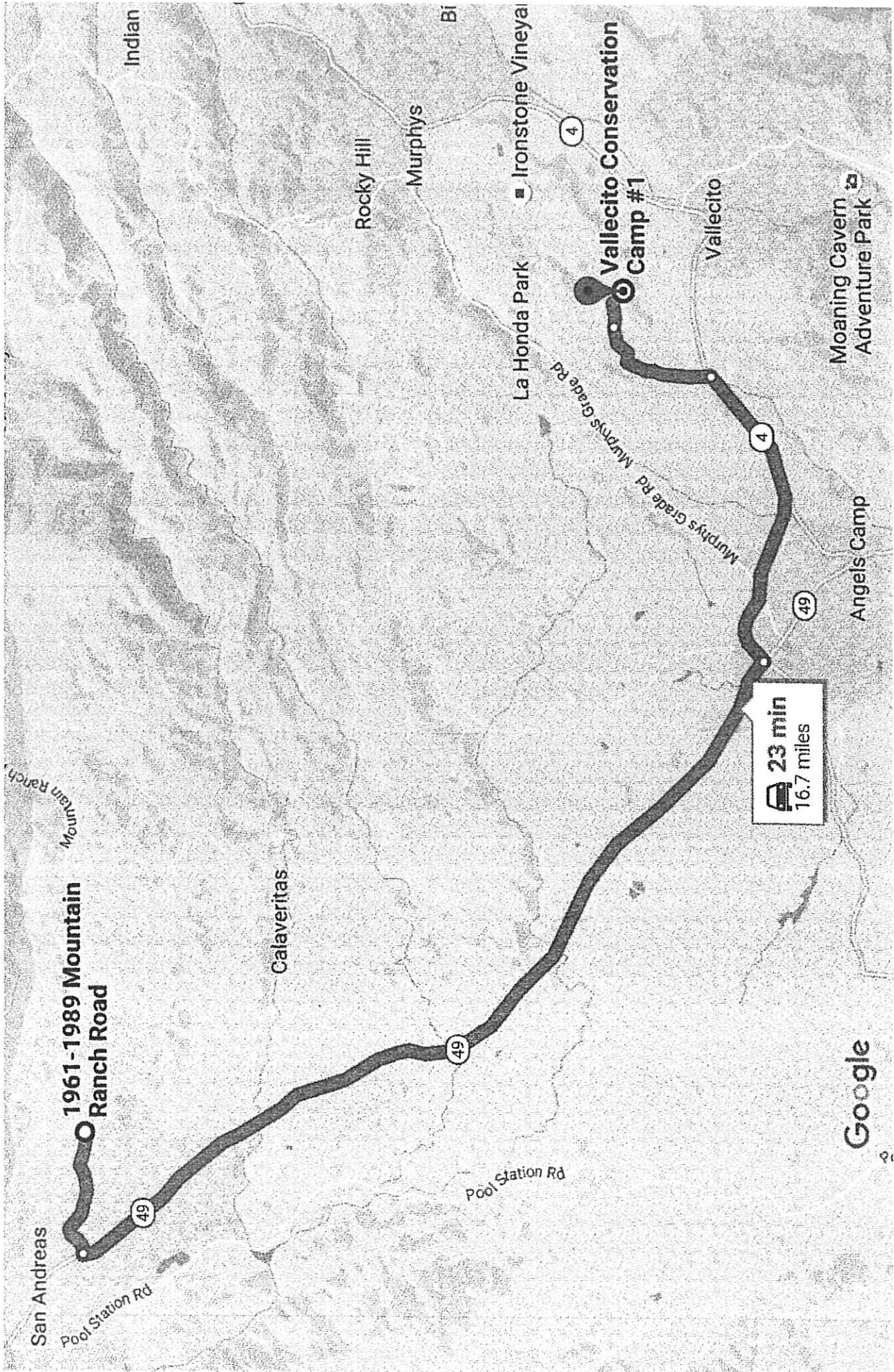
EMERGENCY SHIFT TICKET and EVALUATION FORM					Contractor Name	
The responsible Government Officer will complete this form each shift.					Water Haulers	
Incident or Project Name Wild		Incident Number CALNU 123456	Request Number E-64		Operator #1 Sean Rodgers	Operator #2 Wayne Rodgers
Agreement Number LNU2223333					Operator Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Equipment Make Peterbilt		Equipment Model / Type 4000 Gallon			Operating Supplies Furnished By: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government	
Serial Number 11343N		Licence Number 6A256483			Equipment Status <input type="checkbox"/> Inspected <input checked="" type="checkbox"/> Under Agreement <input type="checkbox"/> Released by Government <input type="checkbox"/> Withdrawn by Contractor	
Equipment Use						
Date				(Circle) Hours Days / Miles		
Mo / Day	Start	Stop	Work	Assignment		
7/16	1300	1500	2	Travel In		
7/16	1500	2400	9	Division B		
7/17	0001	0800	8	Division B		
Vendor Rating						
		Poor*	Avg.	Good	Exc.	N/A
Met Performance Expectations		Vendor Rating must be done.				
Equipment in Safe Working Condition						
Operator Skill Level						
Operates Safely						
Operator's Cooperation Level						
Overall Performance						
* NOTE: Any rating of POOR requires an explanation in Comment Section.					Govt. Rep. Name and Position - PRINT Mike Brown, Div B	
**Final evaluation or for more documentation, use an ICS Form 230 or equivalent.					Govt. Rep. Signature Mike Brown	
					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



San Andreas

Pool Station Rd

1961-1989 Mountain Ranch Road

Calaveritas

Rocky Hill

Murphys

Bi

Pool Station Rd

La Honda Park

Ironstone Vineyard

Vallecito Conservation Camp #1

Vallecito

Moaning Cavern Adventure Park

Angels Camp

23 min
16.7 miles

Google

