

Charlie

INCIDENT

CA-ANF-3612

INCIDENT ACTION PLAN

MAP QR



IAP QR



OPERATIONAL PERIOD

9/25/2018 0600

to

9/28/2018 0600

Updated on 09/26/2018

1830



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: <p style="text-align: center;">Charlie</p>	2. Operational Period: Date From: 9/26/2018 Date To: 9/28/2018 Time From: 0600 Time To: 0600																					
3. Objective(s): <u>Management Objectives</u> -Provide for emergency personnel and public safety at all times. -Protect property, improvements, and infrastructure. -Ensure coordinated, timely and accurate release of public information. -Foster and maintain relationships with all cooperators and stakeholders. -Protect economic, natural, cultural and heritage resources. -Maintain fiscal accountability and keep costs commensurate with values at risk. <u>Control Objectives</u> -Keep the fire East of Castic Lake -Keep the fire South of Red Mountain -Keep the fire West of San Francisquito Canyon Rd -Keep the fire North of Pitchess Detention Center																						
General Situational Awareness: Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and drought stressed trees.																						
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Approved Site Safety Plan(s) Located at:																						
6. Incident Action Plan <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> ICS 203</td> <td><input type="checkbox"/> ICS 215A</td> <td><input type="checkbox"/> Phone List</td> <td><input type="checkbox"/> Fire Suppression Repair Plan</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 204</td> <td><input checked="" type="checkbox"/> ICS 220</td> <td><input type="checkbox"/> Training Message</td> <td><input checked="" type="checkbox"/> Safety Message</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 205</td> <td><input type="checkbox"/> Incident Map</td> <td><input type="checkbox"/> Travel Map</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 206</td> <td><input checked="" type="checkbox"/> Weather Forecast</td> <td><input type="checkbox"/> Demob Plan</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> ICS 208</td> <td><input checked="" type="checkbox"/> Fire Behavior</td> <td><input type="checkbox"/> Finance Message</td> <td><input checked="" type="checkbox"/> ICS 214</td> </tr> </table>			<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 215A	<input type="checkbox"/> Phone List	<input type="checkbox"/> Fire Suppression Repair Plan	<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Training Message	<input checked="" type="checkbox"/> Safety Message	<input checked="" type="checkbox"/> ICS 205	<input type="checkbox"/> Incident Map	<input type="checkbox"/> Travel Map	<input type="checkbox"/>	<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input type="checkbox"/> Demob Plan	<input type="checkbox"/>	<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 214
<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 215A	<input type="checkbox"/> Phone List	<input type="checkbox"/> Fire Suppression Repair Plan																			
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Training Message	<input checked="" type="checkbox"/> Safety Message																			
<input checked="" type="checkbox"/> ICS 205	<input type="checkbox"/> Incident Map	<input type="checkbox"/> Travel Map	<input type="checkbox"/>																			
<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input type="checkbox"/> Demob Plan	<input type="checkbox"/>																			
<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 214																			
7. Prepared By: S. Smith	Position/Title: Dep. PSC	Signature:																				
8. Approved by Incident Commander:	C. St. Pierre	Signature:																				
ICS 202																						

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Charlie		2. Operational Period: Date From: 9/25/2018		Date To: 9/28/2018	
		Time From: 0600		Time To: 0600	
3. Incident Commander(s) and Command Staff:			7. Operation Section:		
IC/UC's	C. St. Pierre / L. Dozal (T)		Chief	JB Bunton	
Deputy			Planning Ops		
Safety Officer			Night Ops		
Information Officer	Nathan Judy		Staging Area		
Liaison Officer	Kevin Klar		Branch	I	
			Division/Group	A/M	Pedro Marron, Stenmo (T)
			Division/Group	P/Z	Chris Mathews, Hallam (t)
4. Agency/Organization Representatives:			Division/Group	Night A/M/P/Z	Steffan Fuller
Agency/Organization	Name		Division/Group		
ANF Agency Admin	Jamal Butler		Division/Group		
LASD	Josh Koch		Division/Group		
CHP	Dave Eadie		Division/Group		
CALFIRE	Patrick Aguada		Division/Group		
LAC	Anderson Mackey		Division/Group		
			Division/Group		
			Branch	III	
			Division/Group		
			Division/Group		
			Division/Group		
			Division/Group		
			Branch	IV	
5. Planning Section:			Division/Group		
Chief	Al Yanagisawa		Division/Group		
Deputy	Seneca Smith, D. Gregor (t)		Division/Group		
Resource Unit			Division/Group		
Situation Unit	Sara Rathbun		Division/Group		
Situation Unit			Branch	V	
Demobilization Unit			Division/Group		
GISS	Ed Lamas, Dave Gabbledon		Division/Group		
FBAN			Division/Group		
IMET			Division/Group		
Training Tech Spec			Staging Area		
READ	Kelsha Anderson/ Lauren Quon		Air Operations Branch		Director:
6. Logistics Section			Air Support Grp Sup		
Chief	Tim Vanderveen		Helibase Manager		Bart Dorman
Supply Unit					
Facilities Unit	Kevin Johnson		8. Finance/Administration Section:		
Ground Support Unit			Chief	Pascal D'Souza	
Hired Equipment Tech			Time Unit	Jessica Luna	
Communications Unit	Ernesto Gujarro		Procurement Unit		
Medical Unit			Comp/Claims Unit	Rita Burkhalterbrodnax	
Motel Tech Spec			Cost Unit	Tammy Hassert	
Food Unit					
Prepared By: Name:	Al Yanagisawa	Position/Title:	PSC	Signature: _____	
ICS 203		Date/Time:	9/25/2018 1900 hours		

ASSIGNMENT LIST		1. Branch		2. Division/Group A/M			
3. Incident Name Charlie		4. Operational Period Date: 09/25/18 – 09/28/18				Time: 0600-1800	
5. Operations Personnel							
Operations Chief	JB Bunton	Division/Group Supervisor	Marron/Stenmo (t)				
Branch Director		Air Attack Supervisor No.					
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time		
Little Tujunga IHC (C-18)	J. Gonzalez	20	N				
Texas Canyon IHC (C-30)	D. Breuklander	20	N				
CNF 6631C (E-36)	J. Lambirth/C. Canning (t)	27	N				
ANF DZ 10 (E-96)	D. Gallant	2	N				
ANF DZ 12 (E-97)	M. Nott	2	N				
STF DZ 51 (E-47)	C. Marfin	2	N				
7. Control Operations							
<p>Hold Lines, continue mop up to prevent possibility of fire escape Watch for endangered species, work with READ Backhaul all trash and hose Continue with suppression repair</p>							
8. Special Instructions							
Reporting Location Lake Hughes Rd/Dry Gulch Rd. DP-10							
9. Division/Group Communication Summary							
Function	Name	Frequency	Channel	Function	Name	Frequency	Channel
Command	ANF ADMIN	Rx 173.7750 Tx 164.8750	1	Emergency	Emergency	Rx 168.6250 Tx 168.0250	6
Tactical Div/Group	NIFC T1	Rx 168.0500 Tx 168.0500	2	Air to Ground	Air to Ground	Rx 169.1500 Tx 169.1500	5
Prepared by (RESL) Ronald Gregor		Approved by (PSC) Seneca Smith		Date 09/26/18		Time 1200	

ASSIGNMENT LIST		1. Branch		2. Division/Group P/Z			
3. Incident Name Charlie		4. Operational Period Date: 09/25/18 – 09/28/18				Time: 0600-1800	
5. Operations Personnel							
Operations Chief	JB Bunton	Division/Group Supervisor		Matthews/Helam (†)			
Branch Director		Air Attack Supervisor No.					
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time		
Horseshoe IHC (C-13)	D. Hallam	20	N				
Cobras 2 (C-10)	J. Ayala	20	N				
ANF E-12 (E-87)	Herrera	5	N				
ANF E-16 (E-88)	Martinez	5	N				
ANF E-19 (E-95)	Thomas	5	N				
ANF E-20 (E-20)	Brenneman	5	N				
ANF E-32 (E-32)	Sanchez	5	N				
KNF WT 279 (E-41)	S. Cicairos	2	N				
TNF WT 32 (E-40)	B. Herrera	2	N				
SQF WT 24 (E-42)	B. Roofener	2	N				
PVT WT (E-91)	J. Kinyon	1	N				
PVT WT (E-92)	C. Tarello	1	N				
PVT WT (E-93)	J. Jewett	1	N				
Grader (E-83)	V. Muzyica	2	N				
7. Control Operations							
<p>Hold Lines, continue mop up to prevent possibility of fire escape Watch for endangered species, work with READ Backhaul all trash and hose Continue with suppression repair</p>							
8. Special Instructions							
Reporting Location Tapia Canyon and Charlie Canyon							
9. Division/Group Communication Summary							
Function	Name	Frequency	Channel	Function	Name	Frequency	Channel
Command	ANF ADMIN	Rx 173.7750 Tx 164.8750	1	Emergency	Emergency	Rx 168.6250 Tx 168.0250	6
Tactical Div/Group	NIFC T7	Rx 168.2500 Tx 168.2500	4	Air to Ground	Air to Ground	Rx 169.1500 Tx 169.1500	5
Prepared by (RESL) Ronald Gregor		Approved by (PSC) Seneca Smith		Date 09/26/18		Time 1200	

INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name: **CHARLIE**
 2. Date/Time Prepared: **09/26/18**
 3. Operational Period Date/Time: **09/27/18 0600-09/28/18 0600**

4. BASIC RADIO CHANNEL UTILIZATION

Radio Type/Cache	Channel	Function	Frequency/Tone	Assignment	Remarks
King NIFC	1 ANF ADMIN	COMMAND	Rx 173.7750 Tx 164.8750	OPERATIONS	Tn6 Oat Mtn; Tn15 Warm Springs
King NIFC	2 NIFC T-1	TACTICAL	Rx 168.0500 Tx 168.0500	DIV A/M	
King NIFC	3 NIFC T-3	TACTICAL	Rx 168.6000 Tx 168.6000	UNASSIGNED	
King NIFC	4 NIFC T-7	TACTICAL	Rx 168.2500 Tx 168.2500	DIV P/Z	
King NIFC	5 169.1500	AIR TO GROUND	Rx 169.1500 Tx 169.1500	OPERATIONS	
King NIFC	6 AIR GUARD	EMERGENCY	Rx 168.6250 Tx 168.6250	EMERGENCY	
King NIFC					Tn1 110.9
King NIFC					
King NIFC					
King NIFC					
King NIFC					

5. Prepared By (Communications Unit)

MEDICAL PLAN (ICS 206)

1. Incident Name: CHARLIE	2. Operational Period: Date From: 9/25/18 Time From: 0600	Date To: 9/27/18 Time To: 1800
----------------------------------	---	-----------------------------------

3. Medical Aid Stations:			
Name	Location	Contact Number(s)/Frequency	Paramedics on Site?
LAC S4124	Lake Hughes Rd / Dry Gulch Rd 0600-1800	Command	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

4. Transportation (indicate air or ground):			
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service
AMR	Lake Hughes Rd / Dry Gulch Rd 0600-1800		<input type="checkbox"/> ALS <input checked="" type="checkbox"/> BLS
Air Squad Hoist Capable	TBD	Command	<input checked="" type="checkbox"/> ALS <input type="checkbox"/> BLS

5. Hospitals:							
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
Henry Mayo Newhall Hospital	23845 W. McBean Pkwy Valencia CA, 91355 N34 23.94 W118 33.11	(661) 200-1601	5	20	<input checked="" type="checkbox"/> Yes Level: <u>2</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Holy Cross Hospital	15031 Rinaldi St. Mission Hills CA, 91345 N34 16.81 W118 27.67	(818) 496-1270	10	40	<input checked="" type="checkbox"/> Yes Level: <u>2</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
West Hills Hospital	7300 Medical Center Dr. West Hills CA 91307 N34 12.18 W118 37.75	(818) 676-4598	20	60	<input type="checkbox"/> Yes Level: _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

6. Medical Emergency Procedures:
In the event of a medical emergency follow the 8-Step Medical Incident Report, pages 118-119 of the IRPG.

1. Contact Communications
 - a. "Stand-by for Emergency Traffic"
2. Incident Status:
 - a. Severity of Emergency (Red/Yellow /Green)
 - b. Nature of injury/illness/MOI
 - c. Transport request (Air, ground)
 - d. Patient Location (Lat/Long, WGS84)
 - e. Incident name (Geographic name + medical)
 - f. Incident Commander
 - g. Patient Care (provider name)
3. Initial patient assessment - Refer to Page 106
4. Develop transport plan
 - a. Air/Ground, Need for hoist, drop point, Helispot
5. Determine need for additional resources
6. Confirm Communications
 - a. A/G EMS Frequencies
7. Contingency Plan
8. Additional Information
 - a. Updates/changes, etc.

In Camp Emergency: Contact Medical Unit at ICP

EMERGENCY REPORTING WORKSHEET

SEVERITY RED (Immediate) YELLOW (Delayed) GREEN (Minor)

NATURE OF EMERGENCY _____

LOCATION OF PATIENT _____

TRANSPORTATION REQUESTED BY: AIR __ GROUND __

POINT OF PICKUP _____

WGS84 LAT _____ LONG _____

PATIENT UNIT ID _____

REMINDER: DO NOT GIVE PT NAME OVER RADIO

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.

Medical Unit Leader
K. Klar / A. Reyes

7. Prepared by (Medical Unit Leader): Name: K. Klar MEDL / A. Reyes MEDL(t) Signature:

8. Approved by (Safety Officer): Name: Rich Baligad Signature:

ICS 206	IAP Page _____	Date/Time: 09-24-18 1845hrs
---------	----------------	-----------------------------

Safety Message

DAY/NIGHT SHIFT

INCIDENT: CHARLIE FIRE

DATE: 9-27-18

TIME: 0600- 0600

MAJOR HAZARDS and RISKS: FATIGUE – STEEP and ROCKY TERRAIN – NARROW ROADWAYS to FREEWAYS – RATTLESNAKES - ALL PPE – ALL the TIME – On the FIRELINE – NO EXCEPTION!

FIRE ORDER of the NIGHT – BASE ALL ACTIONS ON CURRENT AND EXPECTED BEHAVIOR OF THE FIRE

Review Wildland Urban Interface Watchout Situations- IRPG Page 12

Identify Escape Routes and Safety Zones of adequate size. As your position changes insure you identify new safety zones and escape routes.

Perform your Risk Assessment BEFORE engaging and identify decision points for DISENGAGING. IRPG Page 1

Confirm radio frequencies and that you know how to operate your radio. Develop back up procedures.

Provide for frequent rest breaks and adequate hydration. Monitor yourself and those around you for heat related illnesses. **DON'T LET THE TEMPERATURE FOOL YOU!**

Drive with caution on narrow dusty roads and when in neighborhoods. Remember drive defensively!

Document all tailgate safety briefings on your 214's (to include subject matter) for each operational period

Watch Out Situation of the Day



3. SAFETY ZONES AND ESCAPE ROUTES NOT IDENTIFIED

Escape Route/Safety Zone Checklist

Escape Routes:

- *More than one escape route
- *Scouted – soils, vegetation, slope
- *Timed – slowest person, fatigue, dozer speed
- *Marked – flagged for day and night use

Safety Zone:

- *Survivable without a shelter
- *Natural – clean burn, water, bare soil/rock
- *Manmade – constructed sites, roads
- *Scouted for size and hazards
- *Close enough considering escape time needed

Remember and Follow:

- *The 10 Standard Fire Orders
- *The 18 Situations That Shout Watch Out
- *The Common Denominators of Fire Behavior on Tragedy Fires
- *The Downhill Line Construction Guidelines

Spot Forecast for Charlie...Angeles National Forest National Weather Service Los Angeles/Oxnard CA
347 PM PDT Wed Sep 26 2018

Forecast is based on forecast start time of 1500 PDT on September 26.
If conditions become unrepresentative...contact the National Weather Service.

.DISCUSSION...A warming and drying trend will continue through Thursday, as high pressure builds over the region. A high mixing layer depth will allow for higher plume potential on Thursday. Onshore winds early this evening will shift to weak offshore later this evening into Thursday morning, then become onshore again by Thursday afternoon, with some 20-foot gusts up to 15 mph. Southwest 20-foot winds up to 10 mph should prevail Thursday evening before diminishing. Relative humidity levels will have poor recovery tonight then fall into the low teens on Thursday with above normal temperatures into the mid 90s. Moderate recoveries can be expected Thursday night. Expect a 5 degree cooling trend for Friday with persistent onshore flow into the weekend.

.TODAY...

Sky/weather.....Sunny.

Max temperature.....95-97.

Min humidity.....12-15 percent.

Eye level winds.....Northeast 3-6 mph in the morning shifting to the southwest 3-6 mph with gusts to 9 mph in the afternoon.

Wind (20 ft).....

Slope/valley.....Northeast 5-10 mph in the morning shifting to the southwest 5-10 mph with gusts to 15 mph in the afternoon.

Ridgetop.....Northeast 6-12 mph in the morning shifting to the southwest 6-12 mph with gusts to 20 mph in the afternoon.

Mixing height.....600-1200 ft AGL early increasing to 8200-8900 ft AGL.

Transport winds.....Northeast 5-10 mph in the morning becoming southeast to south 10-15 mph by afternoon.

.TONIGHT...

Sky/weather.....Clear.

Min temperature.....Around 61-65.

Max humidity.....53-58 percent.

Eye level winds.....Southwest 3-6 mph early shifting to the east 1-2 mph after midnight.

Wind (20 ft).....

Slope/valley.....Southwest 5-10 mph early shifting to the east 2-4 mph after midnight.

Ridgetop.....Southwest 6-12 mph early becoming south 3-7 mph.

Mixing height.....6000-7000 ft AGL early decreasing to 800-1200 ft AGL.

Transport winds.....Southeast to south 5-10 mph.



FIRE BEHAVIOR SUPPORT TEAM BULLETIN 2018 FALL FIRE DANGER / BEHAVIOR SITUATIONAL AWARENESS

The fall wildland fire season is here and we need to be ready.

The fall fire season necessitates a situational awareness reminder. Reviewing the Daily Burning Index and correlating Pocket Card for your fire danger awareness will greatly influence your operational readiness.

The last six years of a varied precipitation deficit kept us in extreme drought conditions effecting our wildland fuels. The grass / fine fuel component is abundant and available to initiate fire spread with a single ignition.

This fall fire season is highly conducive to support an increased amount of initial attack due to a robust amount of fine fuels. A wildland fire in grass has the ability to be very aggressive on a routine fall day. Small fires escaping initial attack have the potential to be very challenging when providing for firefighter/public safety and while protecting values at risk.

Several contributing factors exist this 2018 fall fire season. Current live fuel moistures are at a critical value of 60%, and the grass is very receptive. Southwesterly winds are most persistent during fall on routine days. However forecasted Santa Ana Winds are in the near future. Initial attack grass fires with light to moderate winds can and will create a rapid rate of spread and challenge control objectives.

The grass will respond quick to an ember cast and create a fire condition that may be experienced on what we feel is a routine day. = Aggressive fire spread.

The fires ability to spot and change direction within steep topography and wind exposure or sheltering will dramatically impact what appeared to be a safe tactic.

Remember the basics with tactics. Establish a solid anchor point and keep one foot in the black/burn. Eliminate or reduce your exposure to unburned fuels between you and the fire. The more unburned fuels between you and an advancing fire front will enhance the fire behavior to change and rapidly compromise your time for safe actions. Identify TRA's and place time on your side to tactfully maneuver and have agility in your mission. Anticipate ahead of the event.

Spotting potential on Santa Ana Wind driven fires can transport embers up to 3 miles away. Rapid fire growth should be forecasted in your risk management process and tactical engagement. A rate of spread can exceed 10 mph over the landscape where topography and wind are in alignment. Maintain your situational awareness by not getting over task saturated...Look up, Look Down and Look Around.

STOP= Situation, Think, Observe, and Predict.

Fire Name: Charlie Fire

Operational Period: Extended

Issue Time/ Date: 9/24/2018
2100 hrs

Date: Tuesday thru Thursday
9/25/18 thru 9/27/18

FBAN: D. Smith- LAC

FBTS: G. Hazleton (t)

Weather:

Sunny hot and dry inland with clear skies.

Temp around 90 Relative Humidity around 16%.

Eye Level Winds= Southwest 3-5 mph with some stronger gusts to 10 mph.

Ridgetop winds = Southwest 8-15 with gust to 25 mph by early afternoon.

Outlook thru Thursday September 27, 2018: Warming trend with dryer air.. Northeast winds late nights and early morning that may extend thru the afternoon. Temperatures remain in the in the 90's.....Request a new spot Weather Forecast for specific incident conditions.

Fuels:

Native Chaparral. Some specific fuel types are. Sage, Sumac, Buckwheat, Chamise, Ceanothus, and grass. Fuel models 1, 5 and 4 are represented.

The Live fuel moisture = 62%. The fuel loading is at 8 Tons per acre. Light fuel bed due to recent burns....Old Growth Fuels exist within the area as well ..

DFMFC 4% 10 DFM hr.=6%. 100 hr. DFM= 8%..... PBI- 80%.

Reference the Santa Clarita Pocket Card.... Burning Index Range= 81 - 110.

Fire Behavior General:

The fire was predominantly Topography driven with wind alignment features. Rate of spread 120 ch/hr with headfire. Flame lengths 15'-50 with headfire alignment. Flanking fire 6'-15' Backing fire 1'-3'.....Spotting has been ¼ to ½ mile downwind. Anticipate this fire activity on an established new fire or spot fire.

Surface heating will cause vortices that have the ability to carry embers across the line. Vortices can travel a significant distance across the burned area.

Fire Behavior Specific:

All Divisions

- Minimal fire activity anticipated due to aggressive fire suppression efforts. The potential is the fire with wind exposure progress. Heads up on transitioning winds. Any heat source has the ability to generate aggressive fire behavior if well established under the current and forecasted weather and fuel conditions.
- Night time fire activity should be anticipated if the fire gets re established.

Air Operations

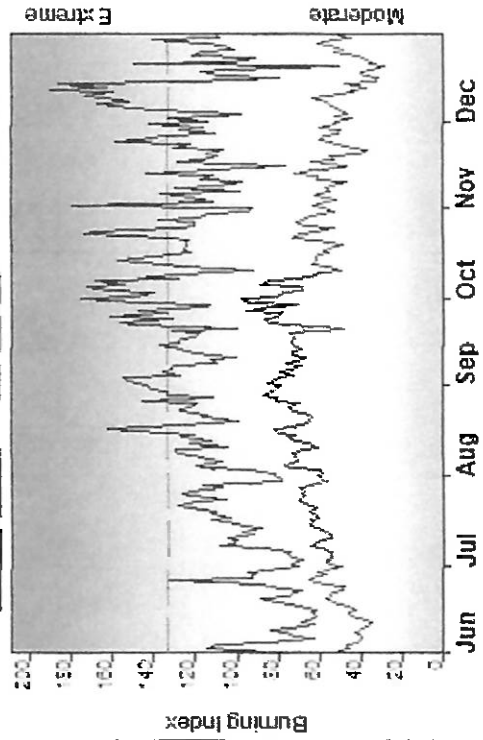
Clear skies forecasted.

Safety

- Identify wind and slope alignment direct attack will fail with head fire alignment it is out of the threshold of control.
- Identify transitioning winds from Southwest to Northeast for the extended period.

FIRE DANGER -- Santa Clarita_2018

Maximum, Average, and 37th Percentile based on 10 years data



Fire Danger Area:

- ◆ Santa Clarita (Fire Zone)
- ◆ Santa Clarita (WX Zone)
- ◆ SIG SOV (WX Station)
- ◆ Meets NWCG (WX Station) Standards



Fire Danger Interpretation:



- EXTREME** → Use extreme caution
- Watch for change
- MODERATE** → Lower Potential, but always be aware

Maximum - Highest Burning Index by day

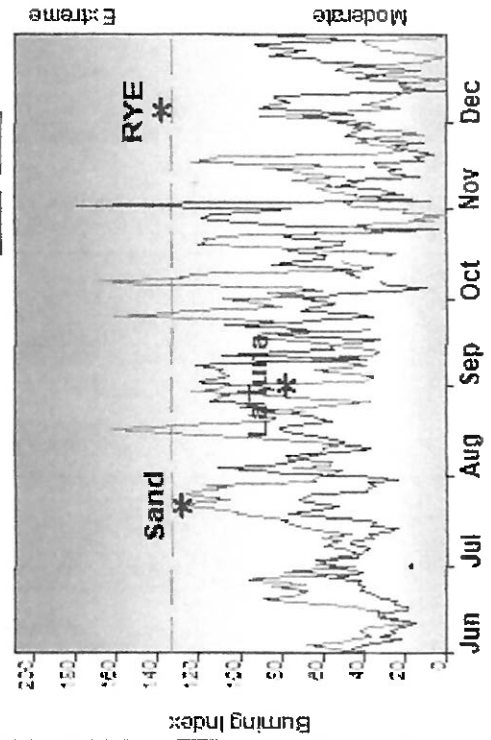
for 2009 - 2018

Average → shows peak fire season over 10 years (2009 observations)
 37th Percentile → Only 2% of the 2009 days from 2009 - 2018 had an Burning Index above 100

Local Thresholds - Watch out: Combustors

- of any of these factors can greatly increase fire behavior
- 20' Wind Speed over 15 mph, RH less than 25%, Temperature over 50, Burning Index over 100

Years to Remember: 2011 2016



Remember what Fire Danger tells you:

- ✓ Burning Index is a day-to-day fluctuator
- calculated from 2 pm temperature, humidity, wind, daily temperature & changes, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across the landscape → Fuel, Weather, Topography
- ✓ Listen to weather forecasts → especially WIND.

Past Experience:

- Wind Driven Fire Can Produce:
- Rates of Spread 3x normal
- Spotting up to 0.5+ mile ahead of fire front
- Eye Level Visibility < 7 MPH
- Low Fuel Moistures < 15%
- Fire Fuel Moistures < 10%
- Active night burning conditions with RH < 20%
- Non-Wind Driven Fire: Look for variation on the fire ground
- Identify a gradient of wind, slope and solar pre-heating

