

** CORRECTED **

INCIDENT ACTION PLAN

BTU/TGU LIGHTNING COMPLEX INCIDENT

CA-BTU-009841

GLENN ZONE IAP

Friday



OPERATIONAL PERIOD

8/21/2020 0700

to

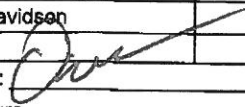
8/22/2020 0700



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: <p style="text-align: center;">BTU/TGU Lightning Complex</p>	2. Operational Period: <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Date From:</td> <td style="border: none;">8/21/2020</td> <td style="border: none;">Date To:</td> <td style="border: none;">8/22/2020</td> </tr> <tr> <td style="border: none;">Time From:</td> <td style="border: none;">0700</td> <td style="border: none;">Time To:</td> <td style="border: none;">0700</td> </tr> </table>	Date From:	8/21/2020	Date To:	8/22/2020	Time From:	0700	Time To:	0700												
Date From:	8/21/2020	Date To:	8/22/2020																		
Time From:	0700	Time To:	0700																		
3. Objective(s): <u>Management Objectives</u> <ul style="list-style-type: none"> - Provide for and maintain public and first responder safety by utilizing the incident safety analysis process - Ensure COVID-19 precautions and best practices are met at all times. - Protect the commercial timberland, historical and cultural assets within the affected area, infrastructure, improvements, and watersheds - All management actions and efforts will be focused on serving, safeguarding, and protecting the citizens of Butte, Glenn and Tehama Counties - Ensure coordinated, timely and accurate release of public information - Be financially responsible for all management and fire suppression tactics <u>Control Objectives</u> <u>Butte Zone</u> <u>Branch I</u> <ul style="list-style-type: none"> • Keep fire north of Powellton. • Keep fire east of Hwy. 32. • Keep fire south of Butte Meadows. • Keep fire west of Bald Mtn. <u>Branch X</u> <ul style="list-style-type: none"> • Keep fire north of Kenebeck Ridge. • Keep fire east of 130D Line. • Keep fire south of PNF Forest Boundary. • Keep fire west of 120C Line. <u>Tehama / Glenn Zone</u> <ul style="list-style-type: none"> • Keep fire north of Colusa County Line. • Keep fire south of Shasta County Line. • Keep fire west of Road 306/Lowery/Hess. 																					
General Situational Awareness: <ul style="list-style-type: none"> - Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and drought stressed trees. - In the COVID-19 environment, high density populations or large groups are particularly at risk. To help protect yourself, your family and to ensure all employees return home safely, make sure to practice social distancing. - Enhanced hygiene (especially handwashing), PPE & monitoring practices help limit the infection rate of first responders. 																					
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input 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 checked="" type="checkbox"/> ICS 215A</td> <td><input type="checkbox"/> ICS 205 A</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 204</td> <td><input checked="" type="checkbox"/> ICS 220</td> <td><input checked="" type="checkbox"/> Training Message</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 205</td> <td><input type="checkbox"/> Facility Maps</td> <td><input checked="" 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 checked="" type="checkbox"/> Demob Plan</td> <td><input checked="" type="checkbox"/> County Health Message</td> </tr> <tr> <td><input checked="" 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 checked="" type="checkbox"/> ICS 215A	<input type="checkbox"/> ICS 205 A	<input type="checkbox"/>	<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Training Message	<input type="checkbox"/>	<input checked="" type="checkbox"/> ICS 205	<input type="checkbox"/> Facility Maps	<input checked="" type="checkbox"/> Travel Map	<input type="checkbox"/>	<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input checked="" type="checkbox"/> Demob Plan	<input checked="" type="checkbox"/> County Health Message	<input checked="" type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 214
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7. Prepared By: David Shy	Position/Title: PSC	Signature:																			
8. Approved by Incident Commander: ICS 202	Dave Russell	Signature:																			

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: BTU/TGU Lightning Complex		2. Operational Period: Date From: 8/21/2020 Time From: 0700		Date To: 8/22/2020 Time To: 0700	
3. Incident Commander(s) and Command Staff:			7. Operation Section:		
IC/UC's	Dave Russell	Operations	Shane Lauderdale (Day), Jeremi Roesler (T)		
Deputy	Darryl Laws / Matt Chamblin	Deputy Operations	Smith (Tehama)/ Sjolund (Butte)/ Brown (Glenn)		
Safety Officer	Doug Ferro/ Brent Stangland	Night Ops			
Information Officer	Steve Kaufmann, Chris Harvey (T)	Staging Area			
Liaison Officer	Dave Pender, Ron Karlen (T)				
LELO	Josh Allen, LT. Anthony Bertain	Zone	BUTTE	Garrett Sjolund	
4. Agency/Organization Representatives:		Branch	I	Jason Dyer	
Agency/Organization	Name	Division/Group	AA	Tim Cossone	
		Division/Group	WW		
		Division/Group			
		Division/Group			
		Division/Group			
		Division/Group			
		Division/Group			
		Branch	V		
		Division/Group	FF		
		Division/Group	HH	Jason Finney	
		Division/Group	PP	Mike Conaty	
		Division/Group	SS	Jeff Edson	
		Division/Group			
		Division/Group			
		Division/Group			
		Division/Group			
		Branch	X	Chad Porter	
		Division/Group	GG		
5. Planning Section:			Division/Group		
Chief	Chris Burch	Division/Group			
Deputy	David Shy	Division/Group			
Resource Unit	G. Ozard, C. Dyche, B. Torosian (T), N. Funes (T)	Division/Group			
Situation Unit	D. O'Neil	Division/Group			
Documentation Unit		Division/Group			
Demobilization Unit	Chris Lynch	Division/Group			
GISS	Daniel Dresselhaus	Division/Group			
FBAN	Jonathan Pangburn	Division/Group			
IMET	Jim Wallman	Division/Group			
Training Tech. Spec	Dennis Martin	Air Operations Branch		Director:	Greg Bradshaw
Crew Tech. Spec		Air Support Group Supervisor			
Hired Equip Tech Spec	Tim Bingham	Air Tactical Group Supervisor			
6. Logistics Section			Helibase Manager		Ray Gomez
Chief	Matt Reich				
Deputy	Mathew Brandt	8. Finance/Administration Section:			
Supply Unit	Shawn Burris	Chief	Mara Zaver		
Facilities Unit	Travis Heard/ Jason Wilson (T)	Time Unit	Greg Tunzi		
Ground Support Unit	Conor Stapleton	Procurement Unit	Courtney Arebalo		
Communications Unit		Comp/Claims Unit	Alyssa Hagerman		
Medical Unit	Lelf Jullussen (T)	Cost Unit	Angela Davidson		
Prepared By: Name: David Shy		Position/Title: PSC	Signature: 		
ICS 203		Date/Time: 8/20/2020 2300 hours			

ORGANIZATION ASSIGNMENT LIST (ICS 203A)

1. Incident Name: BTU/TGU Lightning Complex		2. Operational Period: Date From: 8/21/2020 Time From: 0700			Date To: 0700 Time To: 0700	
7. Operation Section:						
Chief Shane Lauderdale (Day), Jeremi Roesler (T)						
Deputy Smith (Tehama)/ Sjolund (Butte)/ Brown (Glenn)						
Staging Area		Staging Area				
Zone	TEHAMA	Monty Smith	Zone	GLENN	Mark Brown	
Branch	XXX	Gerry Magana	Branch	XX	Todd Horton	
Division/Group	A		Division/Group	BB/CC		
Division/Group	C	Andy Zuckerman	Staging Area	GLENN STAGING	Gabe Bernardino	
Division/Group	G	Galvez	Division/Group			
Division/Group	K		Division/Group			
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Division/Group			Division/Group			
Branch	XXXVI	Tim Perkins	Branch	XXV	Ethan Darnall	
Division/Group	N		Division/Group	WW	Luke Stacher	
Division/Group	Q	Trull	Division/Group			
Division/Group	T		Division/Group			
Division/Group	V	Zuckerman	Division/Group			
Division/Group	X		Division/Group			
Division/Group			Division/Group			
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Division/Group			Division/Group			
Division/Group			Division/Group			
Branch	CONTINGENCY (TEH)	Matt Brown	Branch			
Division/Group			Division/Group			
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Division/Group			Division/Group			
Prepared By: David Shy		Position/Title: PSC		Signature:		
ICS 203A		Date/Time:		8/20/2020 2300 hours		

Fire and COVID-19 Briefing Checklist

Self-Awareness / Screening

- Immediately separate yourself from others.
- Notify supervisor if you or others experience:
 - Cough, more than expected
 - Shortness of breath or difficulty breathing
 - New loss of taste or smell
 - Fever
 - Chills
 - Sore throat
 - Muscle pain
- Review and follow crew and division plans to isolate, triage, and transport symptomatic personnel.

Hygiene on the Fireline

- Properly wash or sanitize your hands often, especially before and after eating or entering a public place, and after coughing or sneezing.
- Avoid handshakes and communal use items.
- Maintain a supply of hand sanitizer and hand wipes. Inform supervisor of needed resupply.
- Disinfect high touch surfaces often:
 - Radios, phones, doors, pumps, fuel cans, etc.

Social Distancing and Protective Equipment

- Initiate, practice, and remind others of social distancing.
- Conduct briefings and conversations outdoors and at least 6 feet apart.
- Utilize face coverings as a tool when practical.
- Clean or replace dirty face coverings, equipment, and PPE.

Communications

- Face coverings and social distancing complicate communications. Ensure effective sender/receiver messaging.

Protect yourself, your crew, and your camp!

Find more information: <https://www.nwccg.gov/coronavirus>.


NFES 002646 (06/2020)



Fire Weather Forecast – Butte-Tehama-Glenn Lightning 2020



FORECAST NO: 2
PREDICTION FOR: Friday-Friday night
SHIFT DATE: 08/21-22/2020 0700-0700
TIME AND DATE
FORECAST ISSUED: 08/20/2020 2100

ZONE: Glenn
SHIFT
SIGNED: 
UNIT: CA-TGU
Jim Wallmann
Incident Meteorologist

DISCUSSION: A bit stronger onshore flow at low levels will increase humidity today. With lighter west flow aloft the southeast winds on the fires in the afternoon will keep more smoke in the area than yesterday. Temperatures will also be slightly cooler due to the smoke and higher humidity. A similar day is expected Saturday with a slight rise in temperatures and lower humidity. Looking ahead, there is the potential for a few thunderstorms Sunday night into Monday.

WEATHER FORECAST (TODAY)

WEATHER: Smoky.

MAX TEMP: 1000 feet: 81-85
3000 feet: 76-80 **LAL: 1**

MIN RH: 1000 feet: 18-23%
3000 feet: 20-26% **CHC WTG RAIN: 0%**

WIND: West 4-8 mph becoming southeast by 1100, then west 6-12 mph with gusts to 20 mph after 1800.
(20 FOOT)

MIXING HEIGHT: 500 feet rising to 2000 feet around 1400.

TRANSPORT WIND: Becoming southeast 5-10 mph by 1100 then west around 10 mph after 1800.

VISIBILITY: 1-3 miles.

FORECAST (TONIGHT):

WEATHER: Smoky.

MIN TEMP: 1000 feet: 70-73
3000 feet: 65-69 **LAL: 1**

MAX RH: 1000 feet: 33-38%
3000 feet: 37-43% **CHC WTG RAIN: 0%**

WIND: West 6-12 mph with gusts to 20 mph diminishing to 4-8 mph around midnight.
(20 FOOT)

MIXING HEIGHT: Falling to 200 feet by 2100.

TRANSPORT WIND: West 5-10 mph.

OUTLOOK (SATURDAY/SATURDAY NIGHT): Smoky with highs 85-89 and lows 70-75. Min RH 16-21% and Max RH 30-35%. Winds becoming southeast 5-10 mph in the morning then west 6-12 mph with gusts to 20 mph in the evening.

OBSERVATIONS THURSDAY (8/20/2020 – Winds are afternoon conditions):

Eagle Peak (3713 ft): MAX TEMP: 83. MIN RH: 10%. Winds NNW 4 to 6 mph with gusts to 11 mph.

Thomes Creek (1029 ft): MAX TEMP: 87. MIN RH: 9%. Winds S 3 to 5 mph with gusts to 9 mph.

← SubmitWx/Fire Observations

Nearby RAWS Observations →



FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 3	TYPE OF FIRE: Wildland Fire
FIRE NAME: BTU/TGU Lightning Complex	OPERATIONAL PERIOD: 24hr 8/21 (0700-0700)
DATE ISSUED: 8/20/2020	TIME ISSUED: 1800
UNIT: TGU	SIGNED: Jonathan Pangburn, FBAN

INPUTS

WEATHER SUMMARY **SMOKE & HAZE, LIGHTER WIND, LOW RH**
See Weather Forecast in IAP.

OUTPUTS

GENERAL: **TEHAMA-GLENN ZONES**

1,000-hr dead fuel moisture at 97th percentile. Severe Drought conditions. Rapid growth and spotting with slope/wind alignment. Brush highly receptive to burning. Glenn Zone reduced fire behavior with smoke shading out fuels; Tehama moderate to rapid rates of spread & fuel dominated fire.

In the absence of weather conditions outside the forecast or extreme fire behavior conditions expect:

	Max. Flame Length	Max. Rate of Spread	Spotting	Probability of Ignition
Grass	< 7' (2 m)	65 ch/hr (1.3 km/hr)	< 1/3 mile (4 km)	85% (with clear sky)
Grass/Strub Mix	< 8' (2 m)	40 ch/hr (0.8 km/hr)	< 1/3 mile (4 km)	85% (with clear sky)
Strub	< 20' (6 m)	95 ch/hr (1.9 km/hr)	< 1/3 mile (4 km)	85% (with clear sky)
Timber Understory	< 10' (3 m)	45 ch/hr (0.9 km/hr)	< 1/3 mile (4 km)	85% (with clear sky)
Timber Litter	< 2' (0.6 m)	5 ch/hr (0.1 km/hr)	< 1/3 mile (4 km)	85% (with clear sky)

****minimum safety zone size for brush fuels is 1/2-acre (0.2 Ha) for a Strike Team of Engines.**

****minimum safety zone size for timber fuels is 1/3-acre (0.1 Ha) for a Strike Team of Engines.**

SPECIFIC:

Areas considered dormant may flare with afternoon winds. Anticipate Elkhorn fire spread in all directions.

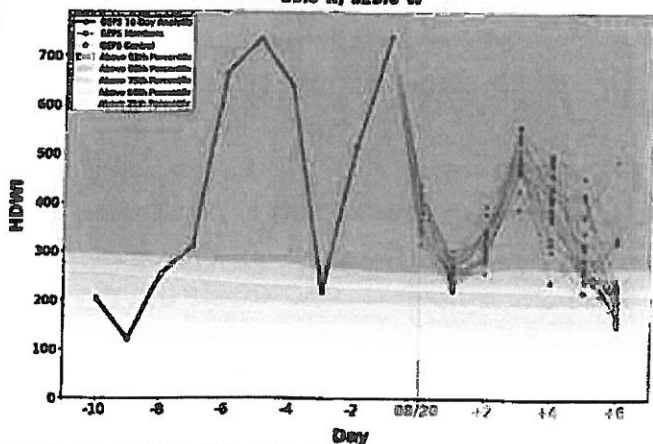
Expect rapid rates of spread in grass fuels wherever torching and ember cast is seen.

New starts will see rapid growth and establishment. Hot Dry Windy Index well above 95th percentile in timber

Glenn Zone

Max Daily HDWI

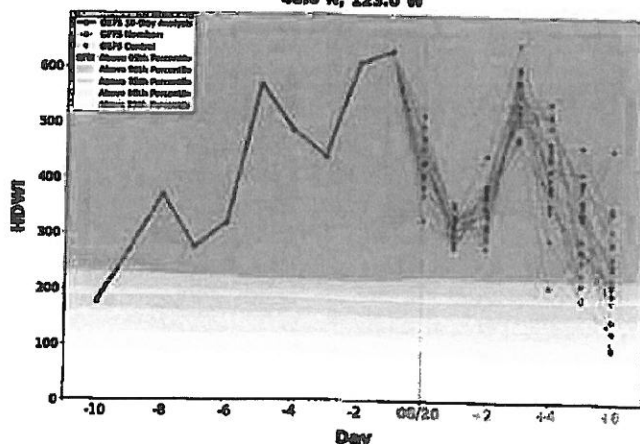
GEFS Analysis and Forecast & 1981-2010 CFSR Climatology
39.0°N, 123.0°W



Tehama Zone

Max Daily HDWI

GEFS Analysis and Forecast & 1981-2010 CFSR Climatology
40.0°N, 123.0°W



AIR OPERATIONS:

Expect smoky conditions with afternoon cross winds in Glenn & Tehama Zones.

Mixing height: 2,000 ft. AGL where clear, Transport winds: SE 5-10 mph, Sunrise 0628, Sunset 1959.

SAFETY

Intense fire runs are possible. Make sure you know where your safety zone is & the time it takes to get there.

*Jay Tucker 8/21/2020 from Cpt. Sanchez
0700 Briefing*

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: BTU/TGU Lightning Complex	2. Operational Period: Date From: 08/21/20 Date To: 08/22/20 Time From: 0700 Time To: 0700	3. Branch Division XX BB/CC
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4. Operations Personnel:		Page 1 of 1
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)		Deputy Ops: Mark Brown (Glenn Zone)
Branch Director: Todd Horton <i>737-3069</i>		Branch Safety:
Division/Group Supervisor:		Air Attack:

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **						<i>530968 5325</i>	
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location		
CNR T/F 05 (208) 954-9740			Troy Thomas	16	E-46-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
ENG TGU 2554			Sanchez, J	3	E-8-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
ENG3 WLO 16			Nate Monck	4	E-15-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
ENG ORL 31			John McDermid	3	E-49-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
ENG3 ELK 59			Robert	2	E-14-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
ENG3 HAM 5105			<i>Bedded Down today back Saturday</i>	4	E-13-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
CRW SALT CREEK 4			<i>moved to WW</i>	16 +/-	C-2-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
DOZ PVT E-34 - MILLER			<i>moved to WW</i>	2	E-34-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
W/T PVT E-2 - COOK				2	E-2-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
W/T PVT E-3 - LENAHAN'S				2	E-3-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
W/T PVT E-4 - LENAHAN'S				2	E-4-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
W/T2 PVT E-42 - M & C			<i>moved to WW</i>		E-42-TGU BAT 4	0700-0700	DP22 (Elk Creek FS)		
E-1 - Cook Doz 2				1					
ENG GCF 305			Matt Lima	4	E-18 TGU Bat 4				
DOZ E- Millsaps			Michael Millsaps	2					

6. Work Assignments: *Notes - moved WW Salt Creek 4*

Hold and improve control lines to mitigate threat of fire escaping.
Mop up 100'. Cut and improve line where needed.
Construct line from DIV BB/CC to August Lightning Complex.

7. Special Instructions: *RR: E-16 Orland Eng 35 bedded down today back Saturday
4 bodies*

No designated Safety Officers and no designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are unavailable.
Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor.

8. Communications

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
DF C7	1	COMMAND	151.4600 N	103.5 (T8)	159.3900 N	110.9 (T1)	
DF T28	7	TACTICAL	151.1825 N	192.8 (T16)	151.1825 N	192.8 (T16)	
DF T15	14	AIR TO GROUND	159.2700 N	192.8 (T16)	159.2700 N	192.8 (T16)	
ALCORD	15	MEDICAL	156.0750 N	T56.7 (T6)	156.0750 N	156.7 (T6)	
AIRGUARD V1	16	AIRGUARD	188.6250 N		168.6250 N	110.9 (T1)	

Prepared by: Name:	Gwyndolyn Ozard	RESL	Signature: <i>Gwyndolyn Ozard</i>
ICS 204	Date/Time: 8/20/2020 2200	Personnel Count: 16	

from Paskenta on 8/21/2020
 Joy Tucker 8/21/2020

• Matt Chamblin

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED INFORMATION/BASIC

1. Incident Name: BTU/TGU Lightning Complex	2. Operational Period: Date From: 08/21/20 Date To: 08/22/20 Time From: 0700 Time To: 0700	3. Branch XXV	Division WW
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4. Operations Personnel:
 Operations Section Chief: **Shane Lauderdale (Day), Jeremi Roessler (T)** Deputy Ops: **Mark Brown (Glenn Zone)**
 Branch Director: **Ethan Darnall** Branch Safety:
 Division/Group Supervisor: **Luke Stacher** Air Attack:

Page 1 of 1 Whiskey-Whiskey

5. Resources Assigned: ** Resources Below in Bold are 12 Hour **

Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
ENG TGU 2560			Steen, Travis	3	E-7-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
ENG3 TGU 2564			Alexander, Michael	4	E-27-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
ENG3 TGU 2574			Hamilton, Stan	4	E-10-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
CRW VALLEY VIEW 1			Coyle, Tyler	13	C-3-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
CRW VALLEY VIEW 5			Pomatz, Pastrig	13	C-4-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ TGU 2544			Wilbanks, Cliff	2	E-33-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ PVT Tehama 2			Dudleys (Buddy)			0700-0700	DP25 (Paskenta FS)
DOZ PVT Tehama 3			M + S Propriety			0700-0700	DP25 (Paskenta FS)
DOZ PVT E-1 - COOK			Reynolds, Thane		E-1-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ PVT E-35 - SCHREDER				2	E-35-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ PVT E-36 - DAVIS				2	E-36-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ PVT E-40 - SUNRISE				2	E-40-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
W/T PVT E-32 - TURRI				2	E-32-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
W/T1 PVT E-43 - ACT FAST					E-43-TGU BAT 4	0700-0700	DP25 (Paskenta FS)

6. Work Assignments:
 Construct Contingency Line from Pellows Road to Elder Creek.
 Construct Safety Islands.
 Prepare structures for defensive actions along Pellows Road, Pryor Road, and Kelley Road.
 Scout Fire/Branch/Division to validate Control Lines, Division Breaks, and Branch Breaks.

NOTES FOR TOMORROW
 - Ryan Ellis off XX to DIV
 - Howard, Joey to TT
 Brenden Sheffield (T) TT
 - Todd Horton XX will be TT also opposite

7. Special Instructions:
 No designated Safety Officers and no designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are unavailable.
 Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor.

8. Communications

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
DF C7	1	COMMAND	151.4600 N	103.5 (T8)	159.3900 N	110.9 (T1)	
DF T29	4	TACTICAL	151.3475 N	192.8 (T16)	151.3475 N	192.8 (T16)	BRANCH 1
DF T15	14	AIR TO GROUND	159.2700 N	192.8 (T16)	159.2700 N	192.8 (T16)	
ALCORD	15	MEDICAL	156.0750 N	T56.7 (T6)	156.0750 N	156.7 (T6)	
AIRGUARD V1	16	AIRGUARD	168.6250 N		168.6250 N	110.9 (T1)	

Prepared by: Name: **Gwyndolyn Ozard** RESL
 Signature: *Gwyndolyn Ozard*
 Date/Time: 8/20/2020 2200
 Personnel Count: 32

ICS 204
 M8 IAP

CONTROLLED UNCLASSIFIED INFORMATION/BASIC



SAFETY MESSAGE

BTU TGU Lightning Complex

August 21, 2020 0700-0700 CA-BTU-009692



GENERAL ILLNESS

FATIGUE, HOT WEATHER, HARD EXHAUSTIVE WORK PUTS US AT RISK

Watch Out

- **Hot weather** causes dehydration, heat exhaustion and serious medical emergencies
- **Hard exhaustive work** increases core temperature, weakens the body's ability to function healthy and causes fatigue
- **Fatigue** Causes poor judgement and decreased work performance affecting safety

Mitigation

- Rest and water hydration reduces fatigue and exhaustion emergencies
- Drink plenty of water and eat right– **START EARLY** – reduce caffeine input take breaks throughout the work-period and take measures to cool down
- Reduced Caloric intake can contribute to Fatigue and potentially Rhabdomyolysis

UNDERSTANDING THE PLAN

Multiple Agencies Working in Coordination

Watch Out

- Operational briefing not being passed down to lowest level
- Objectives not clear
- Lack of participation at briefings

Mitigations

- Leaders hold the responsibility to provide complete briefings and ensure their subordinates have a clear understanding of the plans intent
- All personnel who have not received a briefing shall notify their direct supervisor prior to engaging
- Supervisors will ensure briefings are attended and personnel understand their role

Chainsaw Felling Accidents

IDENTIFY HAZARDS / WORK WITHIN QUALIFICATION / CONSIDER ALTERNATIVES

- Tree hang-ups account for 25% of felling fatalities. When a tree you are working on becomes a hang-up, reconsider the risks to personnel safety and consider alternatives and mitigations.
- Are you qualified and confident with felling assignment?
- All sawyers have the authority to decline a felling assignment if they feel it is unsafe. Or if the assignment exceeds their training, qualification or experience.
- Consider alternatives to felling hazard trees.
 - Utilize heavy equipment to remove the hazard
 - Restrict access
 - Notify and Utilize signs/flagging to communicate the hazard
- Bucking operations can also be hazardous. Alternatives can also be used for bucking operations (e.g. use mitigation measures to restrict access, use heavy equipment, decline assignment if here are no mitigations).

REMAIN FIRE FOCUSED AND COVID-19 AWARE

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INCIDENT ACTION PLAN SAFETY ANALYSIS (ICS 215A)



1. Incident Name: Tehama Glen Zone		2. Incident Number: 20-CA-TGU-	
3. Date/Time Prepared: Date: 08/20/2020 Time: 1700 hours		4. Operational Period: Date From: 08/21/2020 To: 08/22/2020 Time From: 0700 hours To: 0700 hours	
5. Incident Area	6. Hazards/Risks	7. Mitigations	
ALL	Fatigue – physical and mental	Continually monitor your crew. Know the signs and symptoms of heat illness. Plan for a 2-1 Work Rest Work Cycle	
ALL	Narrow roadways – extended distances to lodging; passing on undivided highways; slow moving truck traffic; low visibility from dust	Turn lights on, observe speed limits and expect vehicles opposing traffic. Plan for extended travel times.	
ALL	Dehydration / Rhabdomyolysis	With the long operational shifts and high humidity's, maintain your crews water and caloric intake regimen.	
ALL	Working around heavy equipment	Maintain eye-to-eye contact with the operator. Have fire suppression support when operating in dry fuels.	
ALL	Poor communications	Review ICS 205 and ensure radio clone is current.	
ALL	Steep, unstable terrain	Watch footing and maintain downhill tool placement. Be aware of loose material. Look for ash pits and stump holes.	
ALL	Unburned areas	LCES - utilize worst case scenario when working in or around pockets of unburned fuels.	
ALL	Hazardous Trees	IRPG Pg 22: Identify and Flag Hazardous Trees. Eliminate hazardous trees with qualified sawyers or heavy equipment.	
ALL	Personal Protective Equipment (PPE)	Wear appropriate PPE for all operations until your supervisor indicates its safe to remove.	
ALL	Highway 99/32 CAL TRANS Be aware of logging trucks working in the area	Drive slow through the construction areas. Expect delays along Hwy 99.	
ALL	COVID-19: Reduce exposure potential to yourself, your crew and the public	Wear a mask while in the ICP, while feeding and with the public, and when six feet of social distancing is difficult. Wash hands for at least 20-seconds.	
ALL	Helicopters - Water Drops and Turbulence	Post lookouts and make escape routes and safety zones know. LCES. Watch overhead for hazard trees and wind changes.	
Ground Support	Personnel and vehicles moving around one another in tight areas	Chock wheels. Use spotters and backers. Follow mechanic direction.	
8. Prepared by (Safety Officer): Name: Douglas M Ferro		Signature:	
Prepared by (Deputy Operations Section Chief): Name: Shane Lauderdale		Signature:	
ICS 215A		Date/Time: 08.20.2020 1700 Hours	

AIR OPERATIONS SUMMARY ICS-220 (BTU)

Incident Name and Incident Number CA-BTU / TGU- Lighting Complex CA-BTU-009841				Time Prepared 1800 Shutdown 2024		Date Prepared Thursday, August 20, 2020 Operational Period - Date Friday, August 21, 2020		Prepared By Greg Bradshaw Operational Period - Time 0700 - 0700					
General Remarks, Safety Notes, Hazards, Air Operations Special Equipment, etc. TRACK ALL DIPSITE LOCATIONS / NUMBER OF DIPS / GALLONS TAKEN. TRACK ALL DROP LOCATIONS / NUMBER OF DROPS / GALLONS DROPPED ALL GPS DATA TO BE COLLECTED IN DEGREES, MINUTES, DECIMAL MINUTES FORMAT. AVOID Aerial Application of Retardant / Foam / Agent within 300' of Waterways, Bodies of Water, etc. If Retardant / Foam / Agent is Dropped Within These Areas Immediately Notify the AOB and Provide the Following information: Lat / Long, Estimated Number of Gallons and a Map Detailing The Area.				Sunrise 0627		Cutoff 1924		Sunset 1954					
Frequencies				TX		Tone		AM / FM					
AIR TACTICS				163.1500		163.1500		FM					
AIR / AIR Rotor Victor				134.3250		134.3250		AM					
AIR / AIR Briefing Victor								AM					
AIR / GROUND (CDF T18)				159.3450		192.8 (16)		FM					
COMMAND (CDF C1)				151.3550		103.5 (8)		FM					
TOLC								FM					
DECK				163.1000				AM					
CALCORD - MEDICAL				156.0750		156.7 (6)		FM					
AIRGAURD - Emergency Only				168.6250		110.9 (1)		FM					
HELICOPTERS													
FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks / A - #	FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks / A - #
802	1	Chinook / CH-47	Chico	8:00	9:00	Long Line / A-29							
803	1	Chinook / CH-47	Chico	8:00	9:00	Long Line / A-50							
2EV	3	Airbus 350B2	Chico	7:00	8:00	HLCO / A-46							
FIXED WING													
FAA #	Type	Make/Model	Base	Avail	Start	Remarks	FAA #	Type	Make/Model	Base	Avail	Start	Remarks

Request Procedure for These Aircraft:
Contact Incident Communications
See Medical Plan For Additional Info


TFR Information
Request #
Radius:
Altitude:
Centerpoint:
NOTAMS:
Frequency
<http://tfr.faa.gov/tfrz/list.html>

Helibase Information
Name Chico
Latitude 39° 47.67
Longitude 121° 51.52
Name
Latitude
Longitude
(see page 2 if needed)

Rescue Ship Information
Name
Phone
Make/Model
Location
Day
Night

Trainee Name
Phone
Name
Phone
Make/Model
Location

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name: BTU/TGU Lightning Complex BUTTE ZONE		2. Date/Time Prepared Date: 08/20/2020 Time: 1930		3. Operational Period: Date From: 08/21/20 Time From: 0700		Date To: 08/22/20 Time To: 0700		
4. Communications								
C:hf	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
1	COMMAND	CDF C1	ALL DIVS	151.3550 N	103.5 (T8)	159.3000 N	131.8 (T3)	BLOOMER MTN
2	COMMAND	BUTTE CMD	ALL DIVS	154.4150 N	123.0 (T2)	159.0000 N	136.5 (T4)	
3	TACTICAL	CDF T24	DIV AA/GG	151.3325 N	192.8 (T16)	151.3325 N	192.8 (T16)	BRANCH IX
4	TACTICAL	CDF T29	DIV WW	151.3475 N	192.8 (T16)	151.3475 N	192.8 (T16)	BRANCH I
5	TACTICAL	CDF T30	DIV HH	151.3925 N	192.8 (T16)	151.3925 N	192.8 (T16)	BRANCH V
6	TACTICAL	CDF T32	DIV PP	151.2425 N	192.8 (T16)	151.2425 N	192.8 (T16)	BRANCH V
7	TACTICAL	VFIRE 23	DIV SS	154.2950 N	156.7 (T6)	154.2950 N	156.7 (T6)	BRANCH V
8								
9								
10								
11								
12								
13								
14	AIR TO GROUND	CDF T18	ALL DIVS	159.3450 N	192.8 (T16)	159.3450 N	192.8 (T16)	
15	MEDICAL	CALCORD	ALL DIVS	156.0750 N	T56.7 (T6)	156.0750 N	156.7 (T6)	
16	AIRGUARD	AIRGUARD V1	ALL DIVS	168.6250 N		168.6250 N	110.9 (T1)	
17								
18								
19								
20								
5. Special Instructions								
6. Prepared by (Communications Unit Leader): Name: Mike Heyfron COML								Signature: 
ICS: 205 - CONTROLLED UNCLASSIFIED INFORMATION/BASIC								Date/Time: 08/20/20 1930

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name: BTU/TGU Lightning Complex
TEHAMA ZONE

2. Date/Time Prepared: Date: 08/20/2020 Time: 1930

3. Operational Period: Date From: 08/21/20 Date To: 08/22/20
Time From: 0700 Time To: 0700

4. Communications		Assigned To				Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
Ch#	Function	Name								
1	COMMAND	CDF C7	ALL DIVS		151.4600	103.5 (T8)	159.3900	110.9 (T1)		
2										
3										
4	TACTICAL	CDF T1	DIV C		151.2527 N	192.8 (T16)	151.2527 N	192.8 (T16)		
5	TACTICAL	CDF T30	DIV G		151.3925 N	192.8	151.3925 N	192.8		
6	TACTICAL	VFIRE 26	DIV Q		154.3025 N	156.7 (T6)	154.3025 N	156.7 (T6)		
7										
8										
9										
10										
11										
12										
13										
14	TACTICAL	CDF T15	ALL DIVS		159.2700 N	192.8 (T16)	159.2700 N	192.8 (T16)		
15	MEDICAL	CALCORD	ALL DIVS		156.0750 N	T6 - 156.7	156.0750 N	T6 - 156.7		
16	AIRGUARD	AIRGUARD V1	ALL DIVS		168.6250 N		168.6250 N	110.9 (T1)		
17										
18										
19										
20										


5. Special Instructions

6. Prepared by (Communications Unit Leader): Name: _____
Signature: 

ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION/BASIC
Date/Time: 08/20/20 1930

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU/TGU Lightning Complex GLENN ZONE		2. Date/Time Prepared Date: 08/20/2020 Time: 1930		3. Operational Period: Date To: 08/22/20 Time To: 0700				
4. Communications								
Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
1	COMMAND	CDF C7	ALL DIVS	151.4600	103.5 (T8)	159.3900	110.9 (T1)	
2								
3								
4	TACTICAL	CDF T28	DIV BB/CC	151.1825	192.8 (T16)	151.1825	192.8 (T16)	BRANCH XX
5	TACTICAL	CDF T29	DIV WW	151.3475 N	192.8	151.3475 N	192.8	BRANCH XXV
6								
7								
8								
9								
10								
11								
12								
13								
14	TACTICAL	CDF T15	ALL DIVS	159.2700 N	192.8 (T16)	159.2700 N	192.8 (T16)	
15	MEDICAL	CALCORD	ALL DIVS	156.0750 N	T6 - 156.7	156.0750 N	T6 - 156.7	
16	AIRGUARD	AIRGUARD V1	ALL DIVS	168.6250 N		168.6250 N	110.9 (T1)	
17								
18								
19								
20								
5. Special Instructions								
6. Prepared by (Communications Unit Leader): Name:						Signature: 		
ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION/BASIC						Date/Time: 08/20/20 1930		

MEDICAL PLAN (ICS 206)

1. Incident Name: <p style="text-align: center; margin: 0;">GLENN ZONE</p>	2. Operational Period: Date From: <u>8/21/20</u> Date To: <u>8/22/20</u> Time From: <u>0700</u> Time To: <u>0700</u>
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3. Medical Aid Stations:			
Name	Location	Contact Number/Freq	Paramedics

4. Transportation (indicate air or ground):			
Ambulance Service	Location	Contact Number	Level of Service
Enloe	Chico		
Westside Ambulance	Orland		
Saint Elizabeth	Red Bluff/ Corning	530-529-8542	

5. Hospitals:							
Hospital Name	Address,	Contact Number(s)/ Frequency	Travel Time		Trauma Center	Burn Center	Helipad
	Lat & Long Helipad		Air	Ground			
Glenn	1133 W Sycamore St Willows	530-934-1818				<input type="checkbox"/>	<input type="checkbox"/>
Enloe Medical Center	1531 Esplanade Ave. Chico	530-332-7300	25	50		<input type="checkbox"/>	<input checked="" type="checkbox"/>
UC Davis	2315 Stockton Blvd. Sacramento	916-734-3636	50	100		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

6. Special Medical Emergency Procedures

Line Emergency
Crew Supervisor will contact Division Supervisor with patient complaint/condition and location.

- Division Group Supervisor Contacts:
 1. Closest EMS resource
 2. Communications Unit
- Communications Unit Contacts:
 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.
 1. A pre-assigned tactical frequency (i.e. CALCORD) should be used for I/W and only for duration of the emergency.
- Communications Unit will clear the Command channel for emergency traffic as needed for duration of the need.

Camp Emergency
Contact Medical Unit with patient complaint/condition and location. Medical staff will respond to stabilize the patient.

- Medical Unit contacts
 1. Communications
 2. Safety
 3. Logistics
 4. Operations
 5. Crew Supervisor
 6. Comp/Claims

Injury Reporting Procedures

Nature of Injury: _____
 Location of Patient: _____
 Point of Contact: _____
 Transportation Requested by: Air _____ Ground _____
 Point of Pick-Up: _____
 Lat: _____ Long: _____
 Patient Unit ID: _____
 Is an EMT with Patient: Yes _____ No _____
 Age: _____ Sex: Male _____ Female _____

All Emergencies - Secure the area and identified witnesses for later investigation. Keep accurate log of events.

Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.

7. Prepared by (Medical Unit Leader): Lelf Juliussen Signature:

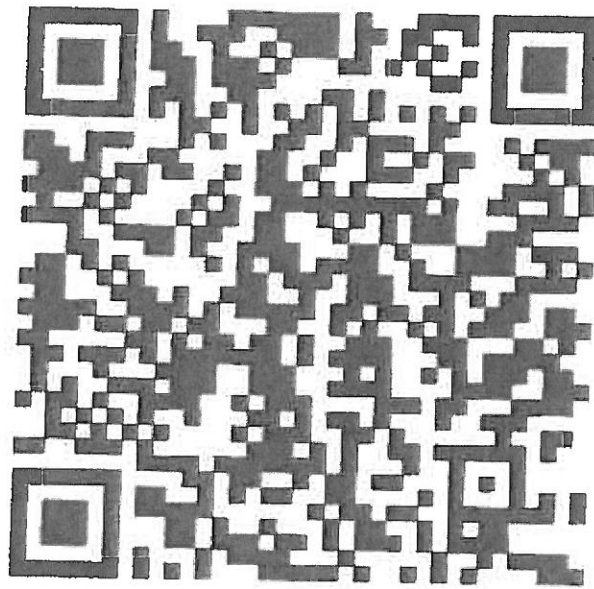
8. Approved by (Safety Officer): Doug Ferro, Bill Murphy Signature: _____

ICS 206 Date/Time: _____

NIMS IAP



**BTU/TGU LIGHTNING COMPLEX
CA-BTU-009841
REMOTE CHECK-IN**



**Please use this code to Check In to the
BTU/TGU LIGHTNING COMPLEX**

REMEMBER: YOU MUST STILL VISIT TIME UNIT!

***TRAINING SPECIALIST
MESSAGE***

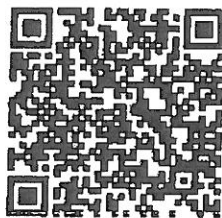
A Training Specialist is available for trainees on the incident.

All State, Federal and local government agency Trainees working on Position Task Books will need to register with the Incident Training Specialist in order to receive proper credit for your assignment.

Training Specialist's

Dennis Martin

(707) 479-8421



Register using the QR Code

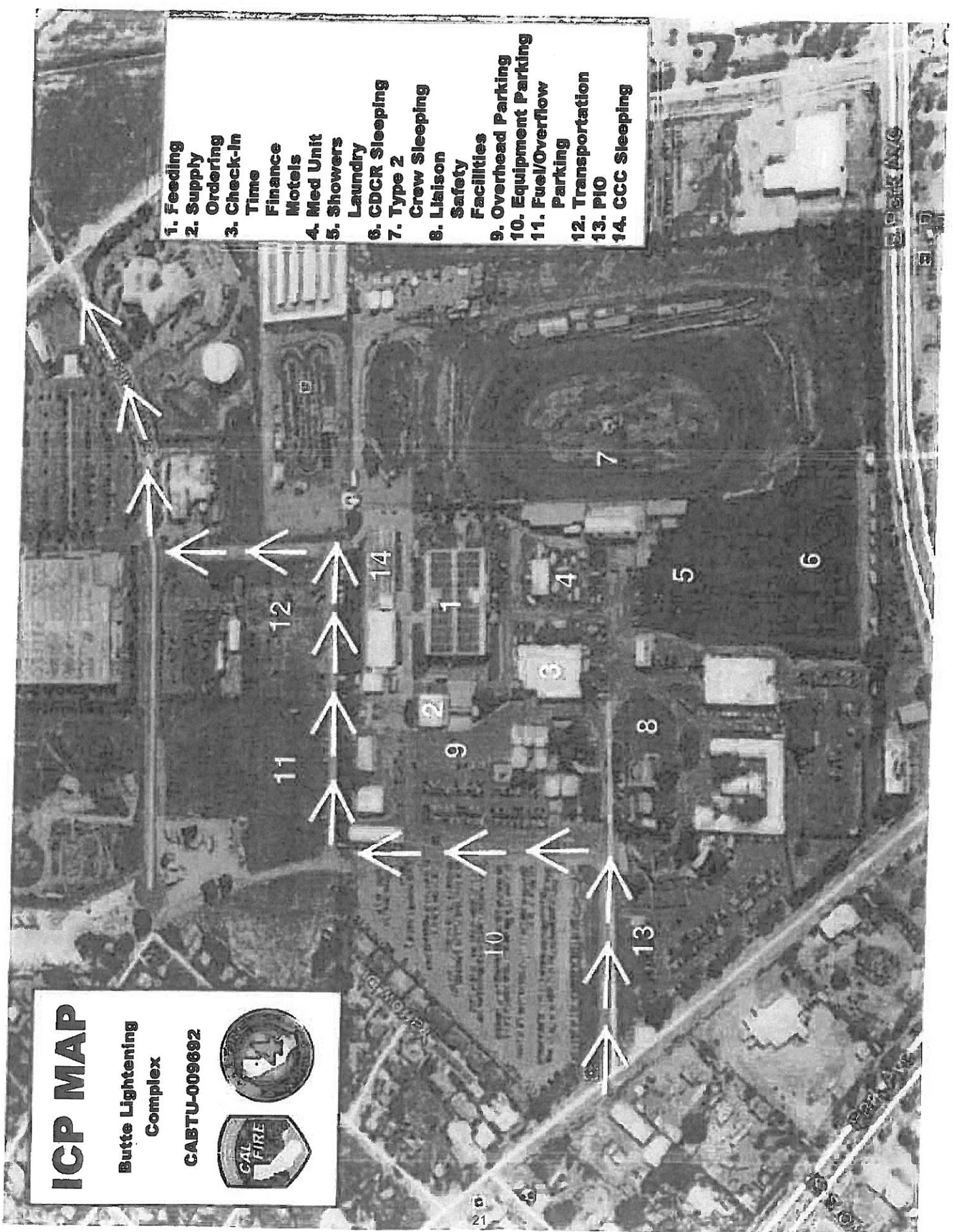
ICP MAP

Butte Lightening
Complex

CABTU-009892



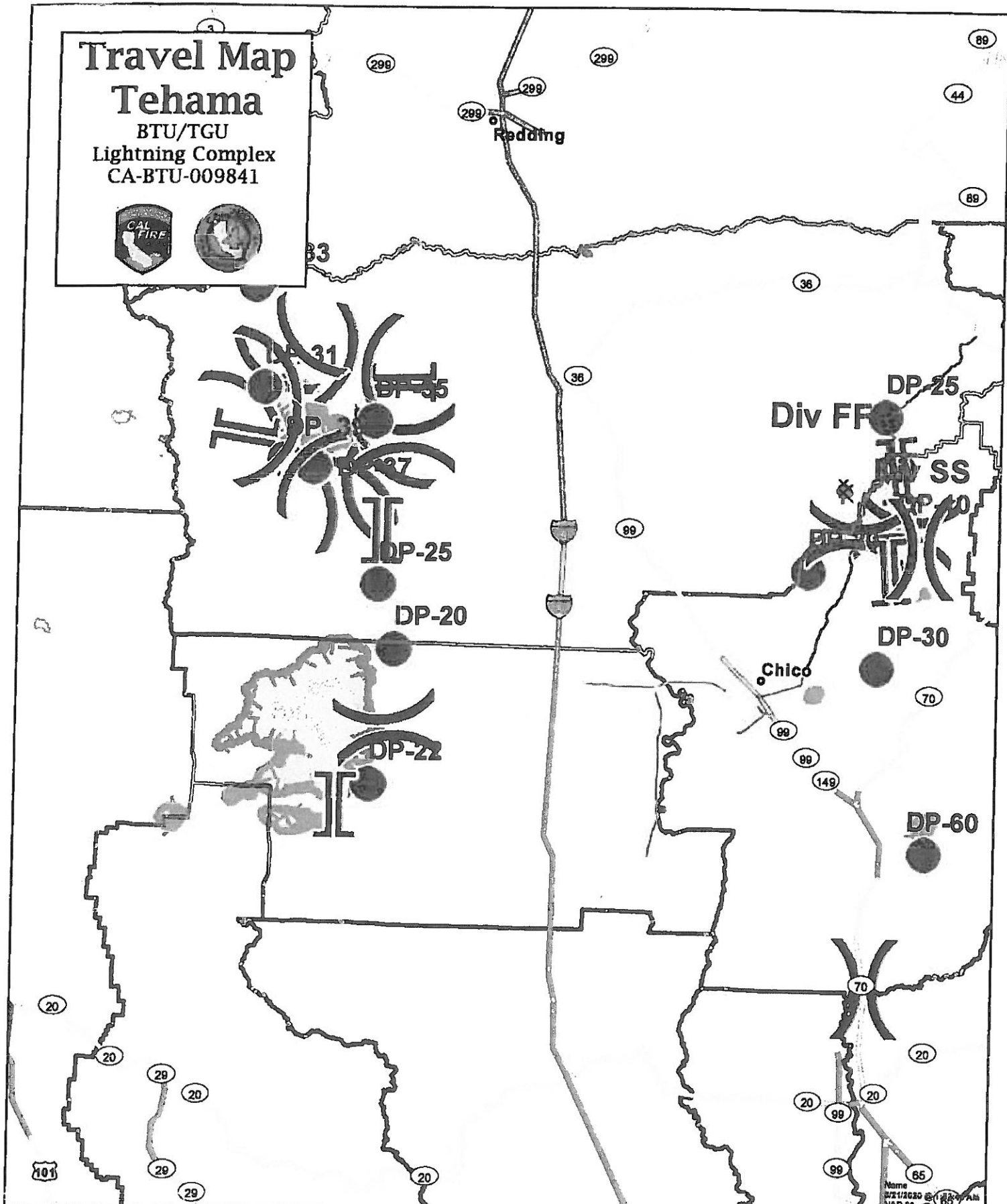
1. Feeding
2. Supply Ordering
3. Check-In Time
4. Finance Motels
5. Med Unit
6. Showers Laundry
7. CDCR Sleeping Type 2
8. Crew Sleeping
9. Liaison Safety Facilities
10. Overhead Parking
11. Equipment Parking
12. Fuel/Overflow Parking
13. Transportation
14. PIO
15. CCC Sleeping



Travel Map



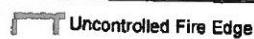







Tehama

BTU/TGU
Lightning Complex
CA-BTU-009841



0 5 10 20 Miles

0 39,500 79,000 158,000 Feet

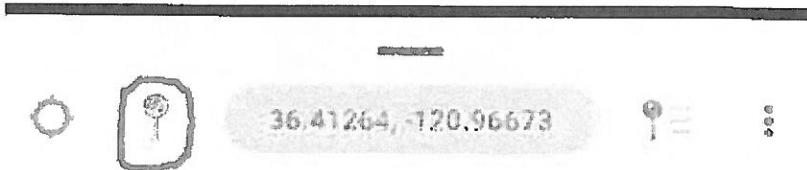
-  Incident Command Post
-  Water Source
-  Uncontrolled Fire Edge
-  Staging Area
-  Helibase
-  Completed Dozer Line
-  Drop Point
-  Hand Line
-  Helispot
-  Completed Line

Name
2/21/2020 8:18 AM
NAD 83

AVENZA MAP HOW TO QUICK GUIDE

Add a Placemark:

1. Pan to a position on the map centered by the crosshair (select exact location, not the road nearby)
2. Tap Add Placemark. A placemark is added with the default icon color, name (can be changed)



3. Name Placemark under Title.
4. Change symbol, if desired.
5. Click Submit.

Changing Placemark Details:

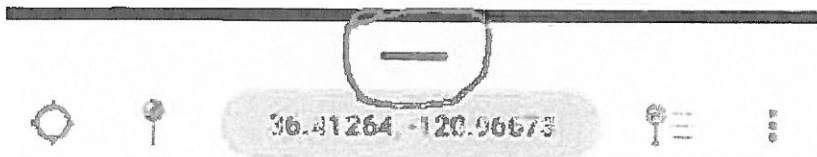
1. Tap the placemark on the map to display the label
2. Tap icon on the placemark label to see details about the placemark
3. On the placemark detail screen, you can change the placemark title, icon, enter a description, add photos, edit the location coordinate, and edit attribute schema.

Moving a Placemark on a Map:

1. Tap and hold a placemark
2. Drag the placemark to another position and release

Recording a Track:

1. Tap Tools and select Record GPS Tracks



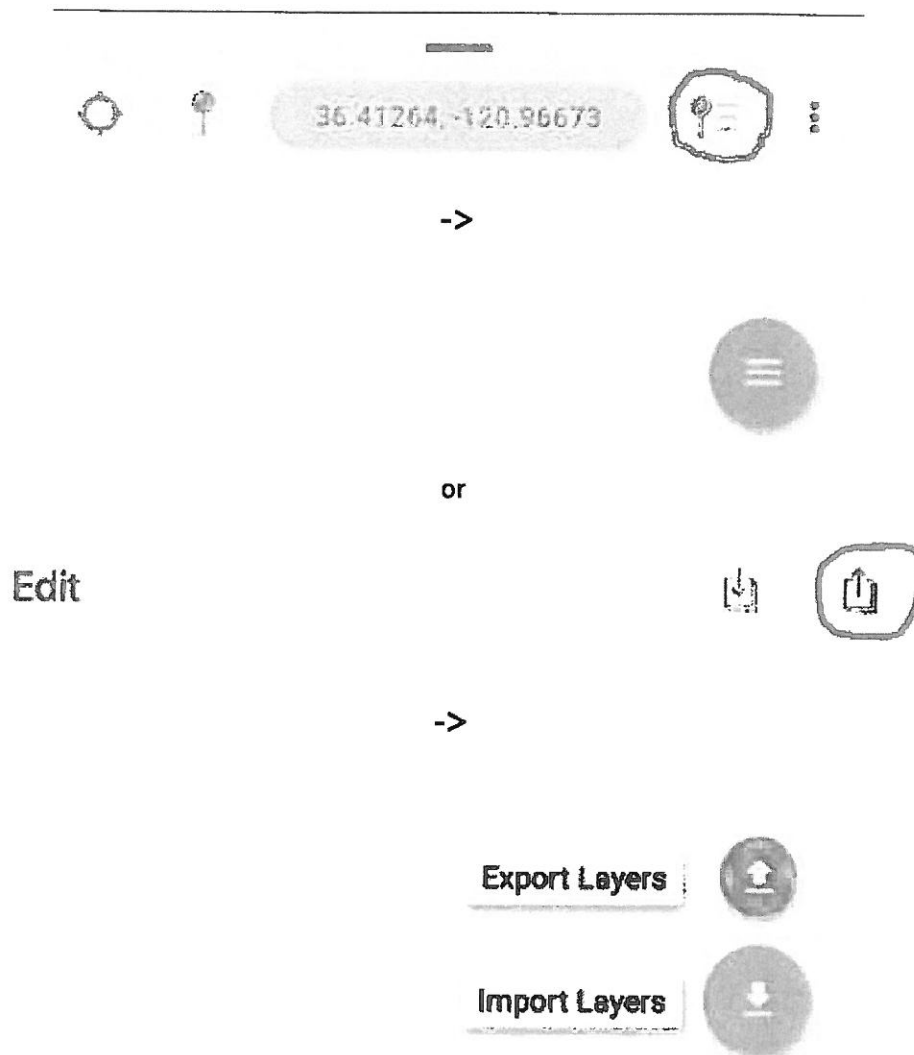
2. Select tracking (middle column).
3. Once a signal has been established ("Start" will be displayed for IOS, "Ready" will be displayed for Android), tap "Start" (IOS) or the Play icon (Android) to begin recording. Your tracks will continue recording, even if you minimize the app (set phone settings Avenza to always run GPS)



4. When you are done recording, tap 'Stop' (iOS) or "Done" (Android) and the track will be saved as a Map Feature.

Exporting Features:

1. Tap Map Features
 - a. Android devices - Tap on Menu, and select Export Map Features
 - b. iOS devices - Tap Export (bottom right button with up arrow).
2. Choose the desired export settings (e.g., Export to Others)
3. Select Export (all features). The features will be exported to the desired location



Email the .kml files to CalFireIMT4GIS@gmail.com

