# Friday

## **INCIDENT ACTION PLAN**

## BTU/TGU LIGHTNING COMPLEX INCIDENT

CA-BTU-009841 GLENN ZONE IAP



## **OPERATIONAL PERIOD**

8/21/2020 0700

to

8/22/2020 0700





**INCIDENT OBJECTIVES (ICS 202)** 

		II ODSEC!	IAES (IC	3 202)		
1. Incident Name:	2.	Operational Period:	Date Fron	n: 8/21/2020	Date To:	8/22/202
BTU/TGU Lightning Complex			Time Fron	n: 0700	Time To:	0700
3. Objective(s):						
Management Objectives						
- Provide for and maintain public and first response	onder s	afety by utilizing the i	ncident safety ar	nalysis process		
- Ensure COVID-19 precautions and best pract						
- Protect the commercial timberland, historical watersheds	and cul	tural assets within the	affected area, i	nfrastructure, impro	vements, an	d
All management actions and efforts will be for Tehama Counties	cused o	n serving, safeguardi	ng, and protecting	ng the citizens of Bu	itte, Glenn a	nd
- Ensure coordinated, timely and accurate relea	ase of p	ublic information				
- Be financially responsible for all management						
Control Objectives			<u>.</u>			
Butte Zone						
Branch I						
<ul> <li>Keep fire north of Powellton.</li> </ul>						
Keep fire east of Hwy. 32.						
<ul> <li>Keep fire south of Butte Meadows.</li> <li>Keep fire west of Bald Mtn.</li> </ul>						
Branch X						
<del></del>						
<ul> <li>Keep fire north of Kenebeck Ridge.</li> <li>Keep fire east of 130D Line.</li> </ul>						
Keep fire south of PNF Forest Boundary.						
Keep fire west of 120C Line.						
Tehama / Glenn Zone						
Keep fire north of Colusa County Line.						
Keep fire south of Shasta County Line.						
Keep fire west of Road 306/Lowery/Hess.						
Seneral Situational Awareness:			<del></del>			
Steep and rugged terrain, critically dry and recept	tive fuel	hade active area for	r fina bioton, a i	described to the		
In the COVID-19 environment, high density popul				To help protect you	ırself, your fa	amily
and to ensure all employees return home safely, r	make sı	re to practice social	distancing.			
Enhanced hygiene (especially handwashing), PPI	E & mo	nitoring practices hel	p limit the infecti	on rate of first respo	onders.	İ
Site Safety Plan Required?	Yes [	No	<u>.</u>			
pproved Site Safety Plan(s) Located at:						1
Incident Action Plan						
ICS 203 ICS 215A		ICS 205 A				į
🚰 ICS 204 🔯 ICS 220	₹.	Training Message	ā			1
ICS 205 🔲 Facility Maps	<b>*</b>	Travel Map	Ä			
ICS 206 Weather Forecast	1	Demob Plan	Coun	ty Health Message		
ICS 208  Fire Behavior	$\overline{\Box}$	Finance Message	ICS 2	/ / /		.
Prepared By: David Shy	Positio	n/Title: PSC	Signature:	1/2/-		
Approved by Incident Commander:	Dave F		Signature:		01	$=$ $\square$
S 202_	•		-igratui 6.			

## ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		Operational	Period: Date From:		Date To:	8/22/2020				
BTU/TGU Light			Time From:		Time To:	0700				
	er(s) and Command Staf	f:	7. Operation Sect							
	Dave Russell			Shane Lauderdal						
	Darryl Laws / Matt Chambli				Sjolund (Bu	tte)/ Brown (Glenn)				
	Doug Ferro/ Brent Stang		Night Ops	-						
	Steve Kaufmann, Chris I		Staging Area							
	Dave Pender, Ron Karle	_ , ,								
	Josh Allen, LT. Anthony	Bertain	Zone		Garrett S					
4. Agency/Organization	on Representatives:		Branch	1	Jason Dy					
Agency/Organization	Name		Division/Group	AA	Tim Coss	one				
			Division/Group	ww		<u> </u>				
			Division/Group			<u>.                                    </u>				
			Division/Group							
			Division/Group							
			Division/Group							
			Division/Group							
			Branch	V						
			Division/Group	FF						
			Division/Group	HH	Jason Fin	ney				
			Division/Group	PP	Mike Cons	aty				
			Division/Group	SS	Jeff Edsor	1				
			Division/Group							
			Division/Group							
			Division/Group							
			Division/Group							
			Branch	X	Chad Por	ter				
			Division/Group	GG						
. Planning Section:			Division/Group			<del></del>				
Chief	Chris Burch		Division/Group							
Deputy	David Shy		Division/Group							
	G. Ozard, C. Dyche, B. To	orosian (T),		-						
Resource Unit	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 Bra	nch	Director:	Greg Bradshaw				
Crew Tech. Spec				Group Supervisor						
lired Equip Tech Spec	Tim Bingham		Air Tactical	Group Supervisor						
Logistics Section				Helibase Manager	Ray Gome					
Chief	Matt Reich									
	Mathew Brandt		8. Finance/Adminis	stration Section:						
	Shawn Burris			Mara Zaver						
	Travis Heard/ Jason Wilso	on (T)		Greg Tunzi						
Ground Support Unit			Procurement Unit Courtney Arebalo			ulo ————————————————————————————————————				
Communications Unit	<b>p</b>		Comp/Claims Unit							
	Leif Juliussen (T)			Angela Davidsen						
oaioai oilit			303t 51llt	a igola Davidael	4					
						<u> </u>				
repared By: Name:	David Shy Positi	ion/Title:	PSC	Signature: ///						

ORGANIZATION ASSIGNMENT LIST (ICS 203A)

Incident Name:			Operational Period: Date From:	8/21/2020	Date To:	0700
	Lightning Comp	lex	Time From:	0700	Time To:	0700
Operation Section						
		e (Day), Jeremi Roesler (				
Deputy	Smith (Tehama)/	Sjolund (Butte)/ Brown (G	Glenn)			
Staging Area			Staging Area			
Zone	TEHAMA	Monty Smith	Zone	GLENON	Hock Brown	
Branch	XXX	Gerry Magana	Branch	XX	Todd Horton	
Division/Group	Α		Division/Group	BB/CC		
Division/Group	С	Andy Zuckerman		GLENN STAGING	Gabe Bernardino	<u> </u>
Division/Group	G	Galvez	Division/Group			
Division/Group	K		Division/Group			
Division/Group			Division/Group			
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Branch	XXXVI	Tim Perkins	Branch	XXV	Ethan Darnali	
Division/Group	N		Division/Group	WW	Luke Stacher	
Division/Group	Q	Trull	Division/Group			
Division/Group	Т		Division/Group			
Division/Group	V	Zuckerman	Division/Group			
Division/Group	X		Division/Group			
Division/Group			-Division/Group			
Division/Group			Division/Group			
Division/Group			Division/Group			
Division/Group			Division/Group			
	ONTINGENCY (TEH)	Matt Brown	Branch			
Division/Group			Division/Group			
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Division/Group			Branch			
Division/Group			Division/Group			
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Division/Group			Division/Group			-
Division/Group			Division/Group		1 -	
	avid Shy	Position/Title		Signature: / /w/		

## Fire and COVID-19 Briefing Checklist

## Self-Awareness / Screening

- Immediately separate yourself from others.
- Notify supervisor if you or others experience:
  - o 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: <a href="https://www.nwcg.gov/coronavirus">https://www.nwcg.gov/coronavirus</a>.

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:

(20 FOOT)

West 6-12 mph with gusts to 20 mph diminishing to 4-8 mph around midnight.

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.



Nearby RAWS Observations →



## FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 3	TYPE OF FIRE: Wildland Fire
	III = OI   IIXE. THICHAING FIFE

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:

		The second secon		
	Max Flama Langth	Max Fats of Spread	Sporting	Probability of Ignition
Grass	< 7' (2 m)	65 ch/hr (1 3 km/hr)	< 1/3 mile ( 4 km)	85% (with clear sky)
Grass/Shrub Mix	< 8' (2 m)	40 ch/hr (0 8 km/hr)	< 1/3 mile ( 4 km)	65% (with clear sky)
Shruh	< 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 Littler	< 2' (0 6 m)	5 ch/hr (0 1 km/hr)	< 1/3 mile ( 4 km)	85% (with clear sky)
				,

<sup>\*\*</sup>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.

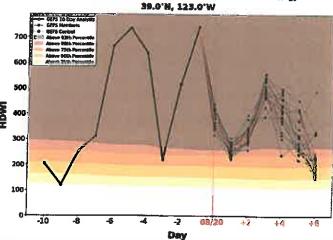
### SPECIFIC:

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

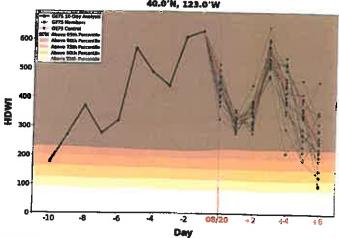


Tehama Zone

Max Daity HDW!

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.

## ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:			2. Operat	ional Period	v h	_	3. Branch	Division
BTU/TGU Lightnir	ng Compl	ех	Date Fron		Date To:	08/22/20	XX	BB/CC
			Time Fron	n: 0700	Time To:	0700		DB/CC
4. Operations Personnel:							Page 1 of 1	
Operations Section Chief: Shan	, , and an in a garage and	ie (Day)	Jeremi Ro	esier (T)			n (Glenn Zone	)
Branch Director: Todd	Horton		t to the second	10 Mar 1 Mar 1 Mar 4 Mar	Branch Safet	40.0	** ** ********************************	
Division/Group Supervisor:					Air Attac	<u></u>	_	
5. Resources Assigned:					old are 12 Ho			
Resource Identifier	ALS	LWD	L	eader	Personnel	Request #	Hours	Reporting Location
CNR T/F 05						E-46-TGU BAT 4	0700-0700	DP22 (Elk Creek F
ENG TGU 2554		_		<del></del> -		E-8-TGU BAT 4	0700-0700	DP22 (Elk Creek F
ENG3 WLO 16						E-15-TGU BAT 4	0700-0700	DP22 (Elk Creek F
ENG ORL 31						E-49-TGU BAT 4	0700-0700	DP22 (Elk Creek F
ENG3 ELK 59		<u> </u>				E-14-TGU BAT 4	0700-0700	DP22 (Elk Creek F
ENG3 HAM 5105						E-13-TGU BAT 4	0700-0700	DP22 (Elk Creek F
CRW SALT CREEK 4					16 +/-	C-2-TGU BAT 4	0700-0700	DP22 (Elk Creek F
DOZ PVT E-34 - MILLER						E-34-TGU BAT 4	0700-0700	DP22 (Elk Creek F
W/T PVT E-2 - COOK			_			E-2-TGU BAT 4	0700-0700	DP22 (Elk Creek F
W/T PVT E-3 - LENAHAN'S						E-3-TGU BAT 4	0700-0700	DP22 (Elk Creek F
W/T PVT E-4 - LENAHAN'S						E-4-TGU BAT 4	0700-0700	DP22 (Eik Creek FS
W/T2 PVT E-42 - M & C						E-42-TGU BAT 4	0700-0700	DP22 (Elk Creek FS
		$\perp$						
		1 1		<del></del>				
N Maria Analassas at a								
6. Work Assignments:								
Hold and improve control lines			fire escapin	g.				
Mop up 100'. Cut and improve								
Construct line from DIV BB/CC	to August L	ightning	Complex.					
7. Special Instructions:								
lo designated Safety Officers a	and no desig	gnated Li	ne Medics.	These position	ons are typica	lly associated	with team depl	oyments however wit
esource draw down they are u							-	•
Strike Team Leaders identify Sa	afety Officer	and Line	e Medic qua	alification and	l make them k	nown to your I	Division Superv	isor.
·							·	
. Communications								
lame	Ch	Fur	nction	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
DF C7	1	COM	IMAND	151.4600 N	103.5 (T8)	159.3900 N	110.9 (T1)	
DF T28	7	TAC	TICAL	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	MEI	DICAL	156.0750 N	T56.7 (T6)	156.0750 N	156.7 (T6)	· · · · · · · · · · · · · · · · · · ·
RGUARD V1				168.6250 N	` ` '	168.6250 N	110.9 (T1)	
Prepared by: Name:	Gwynd	dolyn Oza			RESL		/	<u></u>
-	•	_				Signature:	rue Lol	9.1
S 204		Г	ate/Time:	8/20/2020	2200	g v . <u> / ()</u>	D	connel Count: 16
IS IAP								FIED INFORMATION//BASIC

## **ASSIGNMENT LIST (ICS 204 WF)**

CONTROLLED UNCLASSIFIED INFORMATION/BASIC

1. Incident Name:		2. O <sub>l</sub>	peratio	nal Period	<u>:                                    </u>	3. Branch	Staging	
BTU/TGU Lightnir	ng Comple	Date	From:	08/21/20	Date To:	08/22/20		GLENN
		Time	From:	0700	Time To:	0700	1	STAGING
4. Operations Personnel:							Page 1 of 1	ĺ
Operations Section Chief: Shan- Branch Director:	e 25 Community addings on a	Man . August	ni Roes	sler (T)	Night Op Branch Safe			
Division/Group Supervisor: Gabe	Bernardino				Air Attac	i		
5. Resources Assigned:					old are 12 Ho			
Resource Identifier	ALS	LWD	Lea	der	Personne	Request #	Hours	Reporting Location
<del></del>		<del>  -   -  </del>				<del> </del> -		DP 22 (Elk Creek FS
<u> </u>		<del> </del>				<del> </del>		<u> </u>
		+	_				<del> </del>	
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6. Work Assignments:								
7. Special Instructions:				_				
, openial matricularie.								
. Communications								
lame	Ch	Function		Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
DF C7	7 1 CC			51.4600 N	103.5 (T8)	159.3900 N	110.9 (T1)	
DF T15	14	AIR TO GROL	JND 15	59.2700 N	192.8 (T16)	159.2700 N	192.8 (T16)	
ALCORD	15	MEDICAL	15	6.0750 N	T56.7 (T6)	156.0750 N	156.7 (16)	
IRGUARD V1	16	AIRGUARD	16	88.6250 N		168.6250 N	110.9 (T1)	
Prepared by: Name:	Gwynd	olyn Ozard			RESL		u .	, 1
						Signature:	humolol	n One
S 204		Date/Ti	me: 8/2	20/2020	2200		Pers	sonnel Count: 0
MS IAP						CONT		FIED INFORMATION//BASIC

## **ASSIGNMENT LIST (ICS 204 WF)**

CONTROLLED UNCLASSIFIED INFORMATION/BASIC

CONTROLLED UNCLASSIFIED INFORMATION//BASIC

1. Incident Name:			2. Operati	ional Period	l:		3. Branch	Division
BTU/TGU Lightning	Compl	ex	Date From	1: 08/21/2	Date To:	08/22/20	VOO.	
			Time From	n: 0700	Time To:	0700	XXV	ww
4. Operations Personnel:	<u> </u>						Page 1 of	1 Whiskey-Whiskey
Operations Section Chief: Shane		le (Day),	Jeremi Ro	esler (T)	Deputy Op	s: Mark Brow	n (Glenn Zon	
Branch Director: Ethan [				All Pages 1 - Property Pro- Day's same to make	Branch Safel		A Property and America	
Division/Group Supervisor: Luke St	tacher				Air Attac	k		
5. Resources Assigned:		deb	Resources	Below in B	old are 12 Ho	ur **		
Resource Identifier	ALS	LWD	Le	eader	Personne	Request #	Hours	Reporting Location
ENG TGU 2560						E-7-TGU BAT 4	0700-0700	DP25 (Paskenta FS
ENG3 TGU 2564						E-27-TGU BAT 4	0700-0700	DP25 (Paskenta FS
ENG3 TGU 2574						E-10-TGU BAT 4	0700-0700	DP25 (Paskenta FS
CRW VALLEY VIEW 1					16 +/-	C-3-TGU BAT 4	0700-0700	DP25 (Paskenta FS
CRW VALLEY VIEW 5					16 +/-	C-4-TGU BAT 4		DP25 (Paskenta FS
DOZ TGU 2544		$\top$				E-33-TGU BAT 4		DP25 (Paskenta FS
DOZ PVT Tehama 2							0700-0700	DP25 (Paskenta FS)
DOZ PVT Tehama 3							0700-0700	DP25 (Paskenta FS)
DOZ PVT E-1 - COOK						E-1-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ PVT E-35 - SCHREDER		7 7				E-35-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ PVT E-36 - DAVIS						E-36-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
DOZ PVT E-40 - SUNRISE						E-40-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
W/T PVT E-32 - TURRI		1			<del>                                     </del>	E-32-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
W/T1 PVT E-43 - ACT FAST		1 1				E-43-TGU BAT 4	0700-0700	DP25 (Paskenta FS)
						2-40-100 BA1 4	0100-0100	DF25 (Faskenia F5)
							<del>                                     </del>	
6. Work Assignments:								
Construct Contingency Line from	Pellows I	Road to E	Elder Creek.					
Construct Safety Islands.								
Prepare structures for defensive	actions al	ong Pello	ws Road, P	ryor Road, a	and Kelley Roa	ad.		
Scout Fire/Branch/Division to vali	idate Con	trol Lines	, Division Bı	reaks, and B	ranch Breaks	•		
/. Special Instructions:					·-			
No designated Safety Officers an	d no desig	gnated Li	ne Medics.	These positi	ons are typica	lly associated	with team dep	loyments however with
esource draw down they are una	vailable.						•	•
Strike Team Leaders identify Safe	ety Officer	and Line	Medic qua	lification and	make them k	nown to your [	Division Super	visor.
						_		
. Communications								
lame	Ch	Fun	ction	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
DF C7	1	СОМ	MAND	151.4600 N	103.5 (T8)	159.3900 N	110.9 (T1)	
DF T29	4	TAC	TICAL	151.3475 N	192.8 (T16)	151.3475 N	192.8 (T16)	BRANCH I
DF T15	14	AIR TO	GROUND	159.2700 N	192.8 (T16)	159.2700 N	192.8 (T16)	Lioutoi!!
ALCORD	15	MED		156.0750 N	T56.7 (T6)	156.0750 N	156.7 (T6)	
IRGUARD V1	16	AIRG		168.6250 N		168.6250 N	110.9 (T1)	
Prepared by: Name:	Gwynd	dolyn Oza			RESL		1/	1 1
	-	_				Signature:	my led	en Om
S 204		D	ate/Time: 8	3/20/2020	2200	g		sonnel Count: 32
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NIMS IAP

# Safety Message

# BTU TGU Lightning Complex



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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.
  - o 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).





# INCIDENT ACTION PLAN SAFETY ANALYSIS (ICS 215A)



1. Incident Name: Teha	ma Glen Zone	2	2. Incident	Number: 20-CA-TGU-					
3. Date/Time Prepared:				ate From: 08/21/2020 To: 08/22/2020					
Date: 08/20/2020 Time:	1700 hours			me From: 0700 hours To: 0700 hours					
5. Incident Area	6. Hazards/R	lisks		7. Mitigations					
ALL	Fatigue – phy	sical and mental		Continually monitor your crew. Know the signs and symptoms of heat illness. Plan for a 2-1 Work Rest Work Cycle					
ALL	to lodging; pas	vays – extended dis ssing on undivided w moving truck traf 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 aroun	nd heavy equipmen	uipment Maintain eye-to-eye contact with the operator. Have fire suppression suppression operating in dry fuels.						
ALL	Poor communi	cations		Review ICS 205 and ensure radio clone is current.					
ALL	Steep, unstable	e terrain		Watch footing and maintain downhill tool placement. Be aware of loose material. Look for ash pits and stump holes.					
ALL	Unburned area	s	1	LCES - utilize worst case scenario when working in or around pockets of unburned fuels.					
ALL	Hazardous Tre	es		IRPG Pg 22: Identify and Flag Hazardous Trees. Eliminate hazardous trees with qualified sawyers or heavy equipment.					
ALL	Personal Protec	ctive Equipment (P	PE)	Wear appropriate PPE for all operations until your supervisor indicates its safe to remove.					
ALL	Highway 99/32 logging trucks w	CAL TRANS Be aw working in the area		Drive slow through the construction areas. Expect delays along Hwy 99.					
ALL	COVID-19: Red yourself, your cr	uce exposure pote rew and the public	18	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 - Wa Turbulence	ater Drops and	] 8	Post lookouts and make escape routes and safety zones know. LCES. Watch overhead for hazard trees and wind changes.					
Ground Support	one another in tig	<del>-</del>	ound (	Chock wheels. Use spotters and backers.					
8. Prepared by (Safety Office Prepared by (Deputy Op.				Signature					
Prepared by (Deputy Opi	CIAUDIIS SECTION CI	7							
103 Z 19A		Date/Time: 08.2	20.2020 17	700 Hours					

Prepared By	Greg Bradshaw	Operational Perlod - Time	0700 - 0700	Rescue Ship Information	3	Make/Model Location	Request Procedure for These Aircraft: Contact incident Communications	See Medical Plan For Additional Info	Trainee Name Phone											Start Kemarks / A - #												Start Remarks		
	August 20, 2020	Operational Period - Date	глаау, August 21, 2020	TFR Information st#	_1	Long Lo		gov/tʃr2/list.htmi	$\dashv$	(949) 887-2841	(626) 377_7406	0011-110		(530) 520-8651					ŀ	WASIII					-						ł	Avail		
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S SUMM	nber	TU-009841	łazards, Air	NS/NUMBER	DEGREES, oam / Agent wi	d Number of Ga		Tone				192.8 (16)	103.5 (8)		400 1	120.7 (6)			Helibase	20.00			Red Bluff								Base			
AIR OPERATIONS SUMMARY	Incident Name and Incident Number	- BTU / TGU - Lightning Complex CA-BTU-009841	Safety Notes, I	JP LOCATIONS	OLLECTED IN On of Retardant / Fi	Information: Lat / Long, Estimated Number of Gallons and a Map Detailing The Area.		æ	164.1375	126.8750		Ц	151,4600	7007	163.1000		1	Bit of the second	Make/Model	Bell 242	Bell 205		Bell 206								Make/Model			
AIRO	cident Name ar	TGU - Lightning	eral Remarks, דים אירו אירוא	RACK ALL DRO	ID Aerial Application / Foam / Agent is	Information: Le		riequencies	AIR I ACTION	AIR / AIR Briefing Victor	ional A Billion	AIR / GROUND - Tactical	COMMAND	DECK.	CALCORD - MEDICAL	AIRGAURD - Emeroency Only			1 ypc	2	2		3	 							- Jype	<del> </del>		
	Ĕ	CA-BTU/	eg S	T All GPS	AVC If Retardant		1	Jail 4	AIR / AID	AIR / AIR F		AIR / GRO	5		CALCOR	AIRGAURD -		FAA #		6LH	82D		ORA A							1 A A 4 4	LAA#			

Prepared By	Greg Bradshaw	Operational Period - Time	0700 - 0700	12	Name Name Phone	Make/Model	Request Procedure for These Alroraft:	See Medical Plan For Additional Info	Trainee Name Phone	$\vdash$									Start Remarks / A . #	-												Start Remarks		
Date Prepared	ugust 20, 2020	Operational Period - Date	Friday, August 21, 2020	TFR Information	NM		- Found	http://tfr.faa.gov/tfr2/list.html	Phone	(949) 887-2841	(530) 520-8651	230) 864-2362	100 001	1999-026 (066)	530) 521-8748	(530) 990-5128	0710000000		Helibase Avail								+				-  -  -	Dase Avail		
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ICS-220 (BTU)	Startin	O657 4024	Special Equipmen	/ GALLONS TAKE	ECIMAL MINUTES terways, Bodies of Wal	the AOBD and Provide	ip Detailing The Area.	X	163.1500	3250		3450 192 R(1E)			-	156.7	110.9 (1)		Start Rema		╁╴	9:00 Long	8:00								Start Re			
	Sunrise	1841 O627	s, Air Operations	UMBER OF DIPS BER OF DROPS	EES, MINUTES, D ent within 300' of Wa	s immediately Notify of Gallons and a Me		Tone TX	163	134.3250		192.8 (16) 159.3450			158 7 (c) 163.1000	100/0/20	108.	F	Dase Avail		Н	Chico 8:00	00:2	H	+						e Avail			
AIR OPERATIONS SUMMARY	Incident Number	CA-BTU / TGU- Lighting Complex CA-BTU-009841	afety Notes, Hazard	SITE LOCATIONS / N LOCATIONS / NUM	All GPS UATA TO BE COLLECTED IN <u>DEGREES, MINUTES, DECIMAL MINUTES</u> FORMAT.  Boston of Reference	information: Lett / Agent is Dropped Within These Areas immediately Notify the AOBD and Provide the Following information: Lat / Long, Estimated Number of Gallons and a Man Detailing The A.		Н	163.1500	134.3250		159.3450 192.8	$\dashv$	162 4000	+	t	100:04:30	Melyo/Medal Line	Handinguel Tellouse		Ц	Chinook / CH-47 Ch	Airbus 350B2 Chico						-		Make/Model Base			
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-	COMMAND	CDF C1	ALL DIVS	151.3550 N	103.5 (T8.)	159.3000 N	131.8 (T3)	BLOOMER MTN
7	COMMAND	BUTTE CMD	ALL DIVS	154.4150 N	123.0 (T2)	159.0000 N	136.5 (T4)	
ო	TACTICAL	CDF T24	DIV AA/GG	151.3325 N	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) 151.3475 N	192.8 (T16)	BRANCHI
S.	TACTICAL	CDF T30	DIV HH	151.3925 N	192.8 (T16)	151.3925 N 192.8 (T16) 151.3925 N		BRANCH V
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4	AIR TO GROUND	CDF T18	ALL DIVS	159.3450 N	192.8 (T16)	159.3450 N	192.8 (T16)	
5	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)	
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5. Spe	5. Special Instructions							
6. Pre	6. Prepared by (Communications Unit Leader): Name:	ications Unit Lea	ider): Name: Mike Heyfron COML	COML		Signature	1	24
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-	COMMAND	CDF C7	ALL DIVS	151.4600	103.5 (T8)	159.3900	110.9 (T1)		
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4	TACTICAL	CDF T1	DIVC	151.2527 N	151.2527 N 192.8 (T16)	151 2527 N	100 g (T16)		
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5. Spe	5. Special Instructions								
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<u>.                                    </u>	1. Incident Name:		2. Date/Time Prepared		3. Operational Period:	nal Period:		INTORNA LION/BASIC
	BTU/TGU Lightning Complex	g Complex	Date:		08/20/2020 Date From: 08/21/20	08/21/20	Date To:	08/22/20
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4	TACTICAL	CDF T28	DIV BB/CC	151.1825	192.8 (T16)	151 1825	100 B (T18)	NO LOUAND
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2	MEDICAL	CALCORD	ALL DIVS	156.0750 N	T6 - 156.7	156.0750 N	T6 - 156.7	
9	AIRGUARD	AIRGUARD V1	ALL DIVS	168.6250 N	-	168.6250 N	110.9 (T1)	
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5. Spe	5. Special Instructions							
6. Prep	6. Prepared by (Communications Unit Leader): Name:	ications Unit Lea	ider): Name:			Sionature.		
CS 20	95 - CONTROLLEC	UNCLASSIFIED	ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION//BASIC		MIMS IAP	!!	08/20/20	1930
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## **MEDICAL PLAN (ICS 206)**

					2. Operational Per	10a:	Date	e From:	8/21/20	Date To:	· 8/22/2
	LENN ZOI	NE			<u></u>			0700	Time To:		
3. Medical Aid Stations:			_								0,00
Name				!	Location		Co	ntact Nun	nber/Freq	Para	medics
	<del></del>		<u> </u>								
4. Transportation (indicate	air or are	Numelli.									
Ambulance Se		ouna):	<u> </u>								
Enloe		_	Chico		ocation			Contact N	umber	Level o	f Service
Westside Ambulance			Orland		<u> </u>						
Saint Elizabeth			Red Bluff/ (	Corpina				500.0546			
5. Hospitals:			Trea Diani C	Johnny			9 <b>3</b> U-	529-8542			
	<u> </u>	Addre		T 0-	mta at Nicoral - 7 No	Tre	avel '	Time			
Hospital Name	La	it & Long	<del></del>	┤ 않	ntact Number(s)/ Frequency	Air			Trauma	Burn	
Glenn	<del></del>		St Willows	530-9	34-1818	- All	$\dashv$	Ground	Center	Center	Helipad
Enloe Medical Center	1531 Es	pianade A	ve. Chico	530-3	32-7300		25	50	-	-	
UC Davis	2315 Sto Sacrame	ockton Blv	d.	916-7	34-3636		50	100	-	8	32.5
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6. Special Medical Emergen						l	- 1				
Line Emergency Crew Supervisor will contact Division complaint/condition and location Division Group Supervisor Contacts	Supervisor v			Natur	Reporting Proced						
Line Emergency Crew Supervisor will contact Division complaint/condition and location Division Group Supervisor Contacts 1. Closest EMS resource 2. Communications Unit - Communications Unit Contacts: 1. Ground or Air ambulance as requ 2. Operations 3. Safety 4. Medical Unit - Division Supervisor or designee will run medical emergency on assigned 1. A pre-assigned tactical frequency for iWI and only for duration of the Communications Unit will clear the C traffic as needed for duration of the r  amp Emergency ontact Medical Unit with patient completical staff will respond to stabilize the Medical Unit contacts 1. Communications 2. Safety 3. Logistics 4. Operations 5. Crew Supervisor	Supervisor v s: ested. serve as poil channel. (i.e. CALCO emergency. command chaneed.	nt of contac RD) should annel for er	be used nergency	Natur Locat Point Trans Point Patien is an E Age:	_	ed by: /	Air_ ng:_ area	Grou	und		
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# 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.

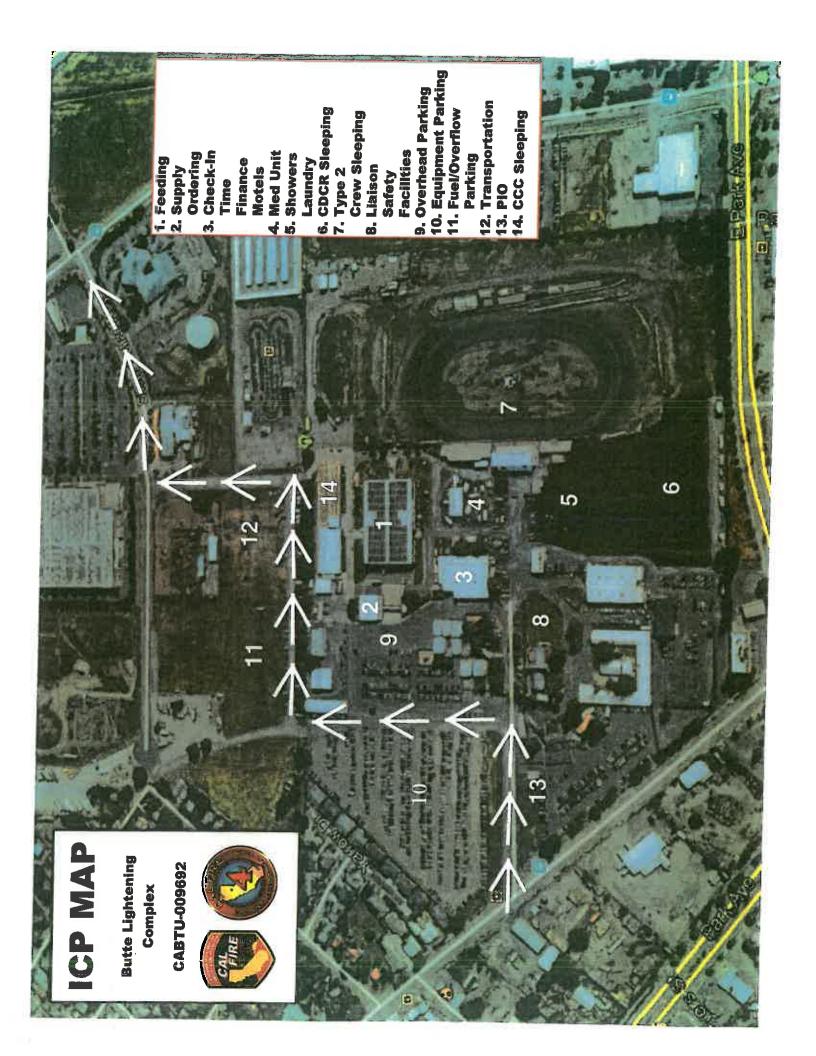
All State, Federal and local government agency Trainees working on Position Task Books will need to register with the Incident Training Specialist in order to receive proper credit for your assignment.

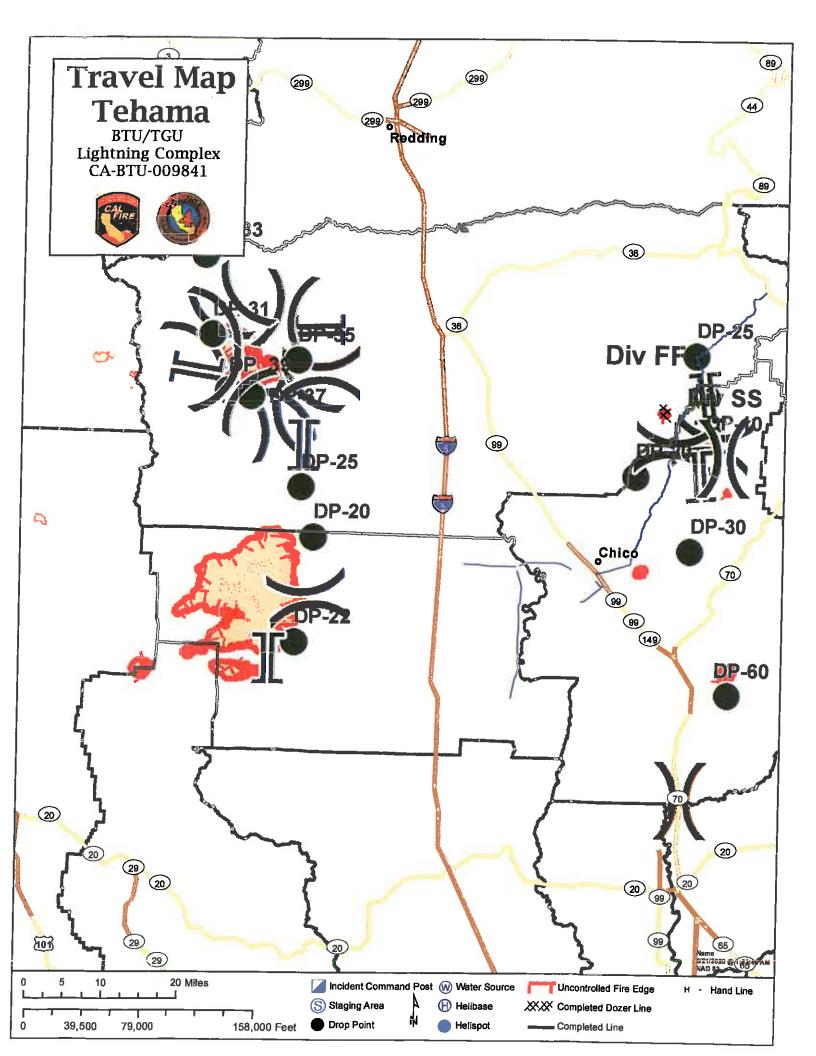
Training Specialist's

Dennis Martin
(707) 479-8421



Register using the QR Code





## **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



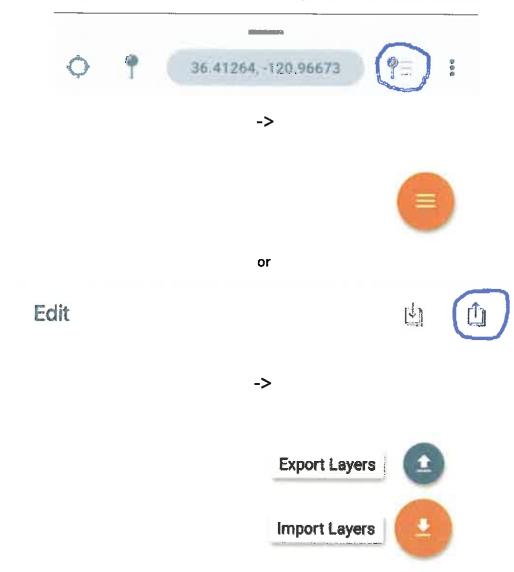


- 2. Select tracking (middle column).
- 3. Once a signal has been established ("Start" will be displayed for iOS, "Ready" will be displayed for Android), tap "Start" (iOS) or the Play icon (Android) to begin recording. Your tracks will continue recording, even if you minimize the app (set phone settings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



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5. Personnel Assigned/Designators				· · · · · ·		<u> </u>	
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UNIT	LOG CONT. (ICS 214)				
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