

INCIDENT ACTION PLAN

BTU LIGHTNING COMPLEX INCIDENT

CA-BTU-009692

MASTER IAP

Monday



OPERATIONAL PERIOD



8/24/2020 0700
to
8/25/2020 0700



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: BTU Lightning Complex	2. Operational Period:	Date From: 8/24/2020	Date To: 8/25/2020
		Time From: 0700	Time To: 0700

3. Objective(s):

- Management Objectives**
- 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

Control Objectives

Butte Zone

Branch I

- Keep fire North of Powellton.
- Keep fire East of Hwy. 32.
- Keep fire South of Butte Meadows.
- Keep fire West of Bald Mtn.

Branch X

- Keep the fire in the current fire perimeter

Tehama / Glenn Zone

- Keep fire North of Black Mountain Road
- Keep fire East of Black Rock Mountain
- Keep fire South of Shasta County Line
- Keep fire West of Road 306/Lowery/Hess

General Situational Awareness:

- 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 No

Approved Site Safety Plan(s) Located at:

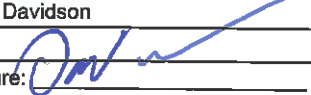
6. Incident Action Plan

- | | | | |
|---|--|--|---|
| <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 checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> ICS 205 | <input checked="" type="checkbox"/> Facility Maps | <input checked="" type="checkbox"/> Travel Map | <input checked="" 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 checked="" type="checkbox"/> Finance Message | <input checked="" type="checkbox"/> ICS 214 |

7. Prepared By: David Shy Position/Title: PSC Signature:

8. Approved by Incident Commander: Dave Russell Signature:

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: BTU Lightning Complex		2. Operational Period: Date From: 8/24/2020 Time From: 0700		Date To: 8/25/2020 Time To: 0700	
3. Incident Commander(s) and Command Staff:			7. Operation Section:		
IC/UC's	Dave Russell, Steve Clark		Operations	Shane Lauderdale (Day), Jeremi Roesler (T)	
Deputy	Darryl Laws (T), Matt Chamblin (T)		Deputy Operations	Smith/Hudson (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	Gus Boston
Agency/Organization	Name		Division/Group	AA	Tim Cassone
CAL OES	Pat Titus		Division/Group	WW	Chris Markey
Butte Co Sheriff	Korey Honea		Division/Group		
Glenn Co Sheriff	Richard Warren		Division/Group		
Shasta Co Sheriff	Eric Magrini		Division/Group		
Tehama Co Sheriff	Dave Hencratt		Division/Group		
California State Parks	Aaron Wright		Branch	V	
CDCR	Ben Ingwerson		Division/Group	DD	Jason Finney
CAL Trans	Chris Boone		Division/Group	FF	
Butte Co OES	Cindy Dunsmoor		Division/Group	HH	
Tehama Co OES	Andy Houghtby		Division/Group	PP	*Mike Conaty, M. Ekdahl (ENG 327)
Glenn Co OES	Amy Travis		Division/Group	SS	Jeff Edson
Shasta Co OES	Rob Sandbloom		Division/Group		
BLM	Jeremy Strait		Division/Group		
			Division/Group		
			Division/Group		
			Branch	X	*Chad Porter
			Division/Group	GG	Frank Zarati (CNR T/F 2)
			Division/Group		
5. Planning Section:			Division/Group		
Chief	Chris Burch		Division/Group		
Deputy	David Shy		Division/Group		
Resource Unit	Gwyndolyn Ozard, Coby Dyche, Brian Torosian (T), Nochella Funes (T), Travis Rye (T)		Division/Group		
Situation Unit	Denny O'Neil, Ed Tumbleson		Division/Group		
Documentation Unit	Allison Liang		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		8. Finance/Administration Section:		
Deputy	Mathew Brandt		Chief	Mara Zaver	
Supply Unit	Shawn Burris		Deputy	Rob Jenkins	
Facilities Unit	Travis Heard, Jason Wilson (T)		Time Unit	Greg Tunzi	
Ground Support Unit	Conor Stapleton		Procurement Unit	Courtney Arebalo	
Communications Unit	Mike Heyfron		Comp/Claims Unit	Joe Flagg	
Medical Unit	Steve McGary, Leif Juliussen (T)		Cost Unit	Angela Davidson	
Motel Specialist	Dawn Muschetto				
Prepared By: Name:	David Shy	Position/Title:	PSC	Signature: 	
ICS 203		Date/Time:	8/23/2020 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>.



Fire Weather Forecast – Butte-Tehama-Glenn Lightning 2020



FORECAST NO: 5
PREDICTION FOR: Sunday-Sunday night.
SHIFT DATE: 08/24-25/2020 0700-0700
TIME AND DATE
FORECAST ISSUED: 08/23/2020 2000

ZONE: Butte
SHIFT
SIGNED: 
UNIT: CA-BTU
Incident Meteorologist

RED FLAG WARNING FOR THUNDERSTORMS THROUGH 2300 TONIGHT

DISCUSSION: Thunderstorms should wane this morning with a break from late morning into mid-afternoon. Thunderstorms are possible again late this afternoon through the evening hours. Wind gusts to 50 mph will be possible with any thunderstorms. Temperatures will be a little cooler and slightly higher RH today, but winds will be similar to yesterday. The winds will be strongest in the Butte Creek drainage and other SW-NE aligned canyons. Some better RH recovery tonight with winds becoming light downslope. More moderate RH and lighter winds are expected Tuesday.

WEATHER FORECAST (TODAY)

WEATHER: Partly cloudy. A 10% chance of thunderstorms through 1000 then a 15% chance of storms after 1700.

MAX TEMP: 1500 feet: 90-94 4000 feet: 84-89 **LAL:** 2

MIN RH: 16-21% all elevations **CHC WTG RAIN:** 5%

WIND: 1500 feet: East 3-6 mph becoming south to southwest 4-8 mph with gusts to 14 mph by 1200.
(20 FOOT) 4000 feet/Canyons: Becoming south to southwest 7 to 12 mph with gusts to 20 mph by 1200.

MIXING HEIGHT: 500 feet rising to 5000 feet around 1300.

TRANSPORT WIND: Becoming southwest around 15 mph.

VISIBILITY: 2-4 miles increasing to 6-10 miles on ridges by 1200.

FORECAST (TONIGHT):

WEATHER: Partly cloudy with 15% chance of thunderstorms until 0300.

MIN TEMP: 1500 feet: 69-74 4000 feet: 62-67 **LAL:** 2

MAX RH: 1500 feet: 32-37% 4000 feet: 34-50% **CHC WTG RAIN:** 5%

WIND: 1500 feet: Southwest 3-8 mph becoming downslope/northeast 3-6 mph by 2300.
(20 FOOT) 4000 feet/Canyons: Southwest 6-12 mph becoming downslope/northeast 3-6 mph by 2300.

MIXING HEIGHT: Falling to 300 feet by midnight.

TRANSPORT WIND: Southwest to 10 mph then northeast to 5 mph after 2300.

OUTLOOK (TUESDAY/TUESDAY NIGHT): Mostly sunny. Highs 82-90 and lows 61-68. Min RH 23-30% and Max RH 44-%. Winds southwest 5-10 mph with gusts to 16 mph in the late morning and afternoon and downslope from evening until morning.

OBSERVATIONS SUNDAY (8/23/2020) – Winds are afternoon conditions:

Cohasset (1730 ft): MAX TEMP: 96. MIN RH: 16%. Winds SSW 5-8 mph with gusts to 16 mph.

IRAWS 27 China Peak (3433 ft): MAX TEMP: 88. MIN RH: 22%. Winds WSW 2-5 mph with gusts to 9 mph.

IRAWS 22 Humboldt Rd (4358 ft): MAX TEMP: 88. MIN RH: 20%. Winds SW 4-6 mph gusts 14 mph.

← SubmitWx/Fire Observations Nearby RAWS Observations →





Fire Weather Forecast – Butte-Tehama-Glenn Lightning 2020



FORECAST NO: 5
PREDICTION FOR: Monday-Monday night
SHIFT DATE: 08/24-25/2020 0700-0700
TIME AND DATE
FORECAST ISSUED: 08/23/2020 2000

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

RED FLAG WARNING FOR THUNDERSTORMS THROUGH 11 PM TONIGHT

DISCUSSION: Thunderstorms are expected to move out this morning with a break from late morning through mid-afternoon. The threat for thunderstorms is there for late afternoon and evening, but will be less than last night. Outflow wind gusts to 50 mph are possible with any storms. Winds will continue to be more from the south today with warm temperatures and low RH. Overnight winds will be more from the west and a bit stronger than last night with fair RH recovery and cooler temps.

WEATHER FORECAST (TODAY)

WEATHER: Partly cloudy. A 10% chance of thunderstorms until 1000 then again after 1700.
MAX TEMP: 1000 feet: 85-90 3000 feet: 81-85 LAL: 2
MIN RH: 10-16% all elevations CHC WTG RAIN: 2%
WIND: (20 FOOT) Becoming south 4-8 mph by 1100, then south to southwest 6-12 mph with gusts to 20 mph by 1400.
MIXING HEIGHT: 500 feet rising to 3000 feet around 1400.
TRANSPORT WIND: Southeast around 5 mph then south to southwest 10-15 mph after 1500.
VISIBILITY: 1-3 miles except parts of the Elkhorn fire will be 3-6 miles.

FORECAST (TONIGHT):

WEATHER: Partly cloudy with a 5% chance of thunderstorms until 0300.
MIN TEMP: 1000 feet: 70-74 LAL: 2
3000 feet: 62-67
MAX RH: 1000 feet: 32-38% CHC WTG RAIN: 2%
3000 feet: 36-42%
WIND: (20 FOOT) South to 5 mph early then west 5-10 mph with gusts to 15 mph after 2100.
MIXING HEIGHT: Falling to 200 feet by 2100.
TRANSPORT WIND: West around 10 mph.

OUTLOOK (TUESDAY/TUESDAY NIGHT): Partly cloudy with a 15% chance of thunderstorms. Highs 78-86 and lows 60-67. Min RH 24-29% and Max RH 42-48%. Winds becoming south to southeast 5-10 mph with gusts to 16 in the morning then west 4-8 mph with gusts to 12 mph in the evening.

OBSERVATIONS SUNDAY (8/23/2020 – Winds are afternoon conditions):

Eagle Peak (3713 ft): MAX TEMP: 81. MIN RH: 29%. Winds SSW 4 to 8 mph with gusts to 12 mph.
Thomes Creek (1029 ft): MAX TEMP: 91. MIN RH: 22%. Winds W 4-8 mph with gusts to 12 mph.

← SubmitWx/Fire Observations

Nearby RAWS Observations →






Fire Weather Forecast – Butte-Tehama-Glenn Lightning 2020



FORECAST NO: 5
PREDICTION FOR: Sunday-Sunday night.
SHIFT DATE: 08/24-25/2020 0700-0700
TIME AND DATE
FORECAST ISSUED: 08/23/2020 2000

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

RED FLAG WARNING FOR THUNDERSTORMS THROUGH 2300

DISCUSSION: Smoke will continue over the fires, but northern part of the Elkhorn fire will likely have a little more clear air. The thunderstorm threat briefly ends from late morning into the afternoon, but is there again this evening. The threat is smaller than last night with outflow gusts to 50 mph possible from any nearby storm. Temperatures will be a little cooler with winds similar to yesterday. Downslope west winds will be a little stronger tonight, but still not a major event. RH recovery is also expected to improve some tonight.

WEATHER FORECAST (TODAY)

WEATHER: Partly cloudy and smoky. A 10% of thunderstorms until 1000 and again after 1700.

MAX TEMP: 1000 feet: 87-92 3000 feet: 82-87 **LAL:** 2

MIN RH: 15-20% all elevations **CHC WTG RAIN:** 2%

WIND: West 4-8 mph becoming southeast 4-8 mph by 1100, then south 8-14 mph with gusts to 20 mph (20 FOOT) after 1500. Gusty outflow winds to 50 mph near any thunderstorms.

MIXING HEIGHT: 500 feet rising to 4000 feet around 1400.

TRANSPORT WIND: Becoming southeast 5-10 mph by 1100 then south 10-15 mph after 1400.

VISIBILITY: 1-3 miles increasing to 3-5 miles in the afternoon.

FORECAST (TONIGHT):

WEATHER: Partly cloudy and smoky. A 10% chance of thunderstorms until 0300.

MIN TEMP: 1000 feet: 70-74 3000 feet: 63-66 **LAL:** 2

MAX RH: 1000 feet: 31-37% 3000 feet: 35-42% **CHC WTG RAIN:** 2%

WIND: West to northwest 7-12 mph with gusts to 22 mph. Gusty outflow winds over 40 mph possible near (20 FOOT) thunderstorms.

MIXING HEIGHT: Falling to 500 feet by 2100.

TRANSPORT WIND: West 10-15 mph.

OUTLOOK (TUESDAY/TUESDAY NIGHT): Mostly sunny with highs 80-88 and lows 61-68. Min RH 22-30% and Max RH 42-48%. Winds becoming south to southeast 4-8 mph with gusts to 15 mph then west in the evening.

OBSERVATIONS SUNDAY (8/23/2020 – Winds are afternoon conditions):

IRAWS23 White Oak (1700 ft): MAX TEMP: 93. MIN RH: 23%. Winds ESE 2 to 5 mph with gusts to 9 mph.

Pattymocus (3772ft): MAX TEMP: 87. MIN RH: 29%. Winds SE 3 to 6 mph with gusts to 11 mph.

IRAWS26 Ball Rock (1147 ft): MAX TEMP: 92. MIN RH: 22%. Winds S 2 to 5 mph.



← SubmitWx/Fire Observations

Nearby RAWS Observations →



FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 6	TYPE OF FIRE: Wildland Fire
FIRE NAME: BTU/TGU Lightning Complex	OPERATIONAL PERIOD: 24hr 8/24 (0700-0700)
DATE ISSUED: 8/23/2020	TIME ISSUED: 1900
UNIT: BTU	SIGNED: Jonathan Pangburn, FBAN

INPUTS

WEATHER SUMMARY **RED FLAG WARNING FOR THUNDERSTORMS & OUTFLOW WINDS**
 See Weather Forecast in IAP.

OUTPUTS

GENERAL: **BUTTE ZONE**
 1,000-hr dead fuel moisture at 90th percentile. Severe Drought conditions. Brush live fuel moisture at critical. Moderate growth and short-range spotting with slope/wind alignment. Sunny, hot, and dry – expect new starts to become established quickly.

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' (2.1 m)	85 ch/hr (1.7 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Grass/Shrub Mix	< 8' (2.4 m)	55 ch/hr (1.1 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Shrub	< 7' (2.1 m)	20 ch/hr (0.4 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Timber Understory	< 10' (3 m)	20 ch/hr (0.4 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Timber Litter	< 5' (1.5 m)	10 ch/hr (0.2 km/hr)	< 1/2 mile (8 km)	90% (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:

Butte Creek & Big Chico Creek drainages will see wind channeling. Expect swirling and eddying in creek drainages.

New starts will see moderate to rapid growth and establishment.

DIV AA / FF / PP: 1-7 & 1-12 resist control, with moderate ROS in understory. Single tree and group torching is possible, especially with wind gusts. Flame lengths 5-15', except 40'+ with torching.

Branch V / X: Minimal fire behavior observed, with potential for smoldering areas to pick up activity with high temp, low RH, and increased wind.

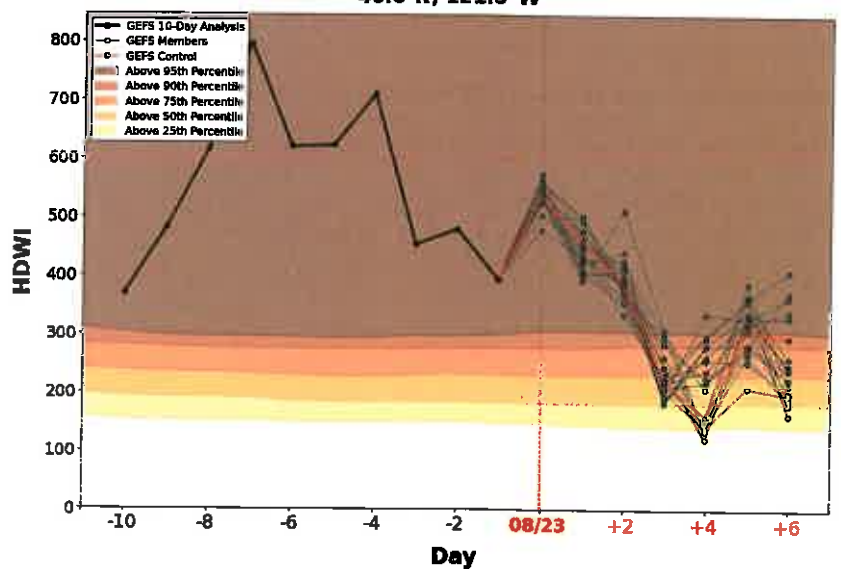
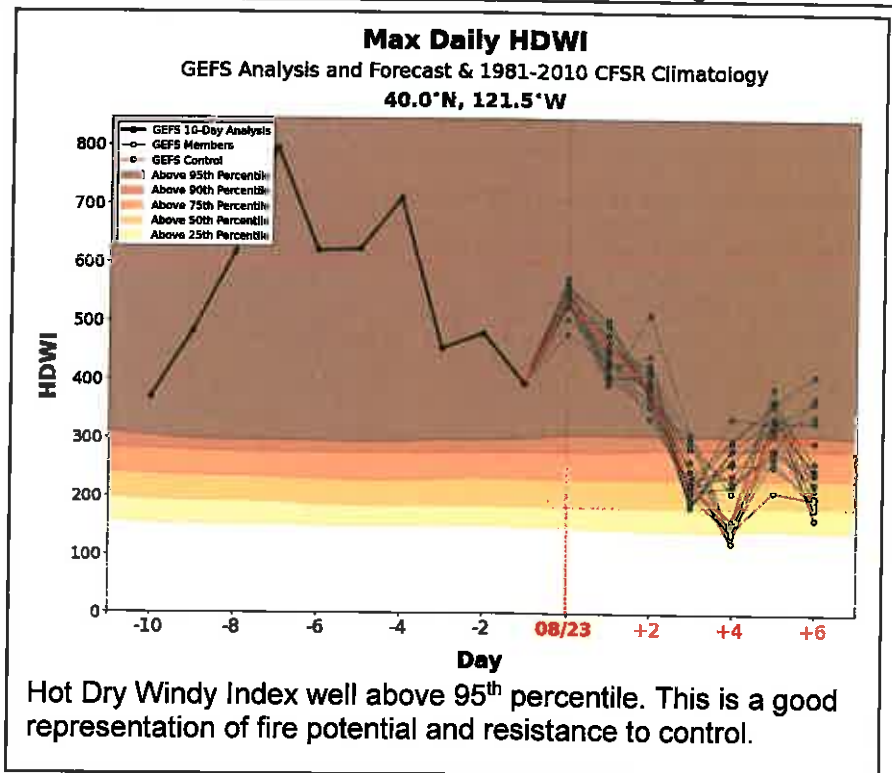
Unstable air will promote rapid fire growth and potential for plume dominated fire behavior.

AIR OPERATIONS:

Mostly clear skies with afternoon & evening erratic winds, with potential for thunder cell downdrafts. Mixing height: 6,000 ft. AGL. Transport winds: SW 15 mph, Sunrise 0627, Sunset 1950.

SAFETY

Downdrafts and outflow winds can create erratic and extreme fire behavior. Watch for thunder cell collapse, a sudden reversal in wind direction, a noticeable rise in wind speed, or a sharp drop in temperature.



FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 6	TYPE OF FIRE: Wildland Fire
FIRE NAME: BTU/TGU Lightning Complex	OPERATIONAL PERIOD: 24hr 8/24 (0700-0700)
DATE ISSUED: 8/23/2020	TIME ISSUED: 1900
UNIT: TGU	SIGNED: Jonathan Pangburn, FBAN

INPUTS

WEATHER SUMMARY ****FIRE WEATHER WATCH FOR RH, LIGHTNING****
 See Weather Forecast in IAP.

OUTPUTS

GENERAL: **GLENN ZONE**
 1,000-hr dead fuel moisture at 90th percentile. Severe Drought conditions. South winds run against normal diurnal downslope winds, creating swirling eddies, with alignment in N-S drainages to the south. Brush at critical fuel moisture & highly receptive to burning with fuel dominated fire. Sunny, hot, and dry – expect new starts to become established quickly.

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' (2.1 m)	55 ch/hr (1.1 km/hr)	< 1/3 mile (5 km)	90% (with clear sky)
Grass/Shrub Mix	8' (2.4 m)	35 ch/hr (0.7 km/hr)	< 1/3 mile (5 km)	90% (with clear sky)
Shrub	20' (6.0 m)	55 ch/hr (1.1 km/hr)	< 1/3 mile (5 km)	90% (with clear sky)
Timber Understory	10' (3.0 m)	15 ch/hr (0.3 km/hr)	< 1/3 mile (5 km)	90% (with clear sky)
Timber Litter	5' (1.5 m)	10 ch/hr (0.2 km/hr)	< 1/3 mile (5 km)	90% (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:

Creek drainages will see wind channeling and up canyon runs, especially in N-S drainages.

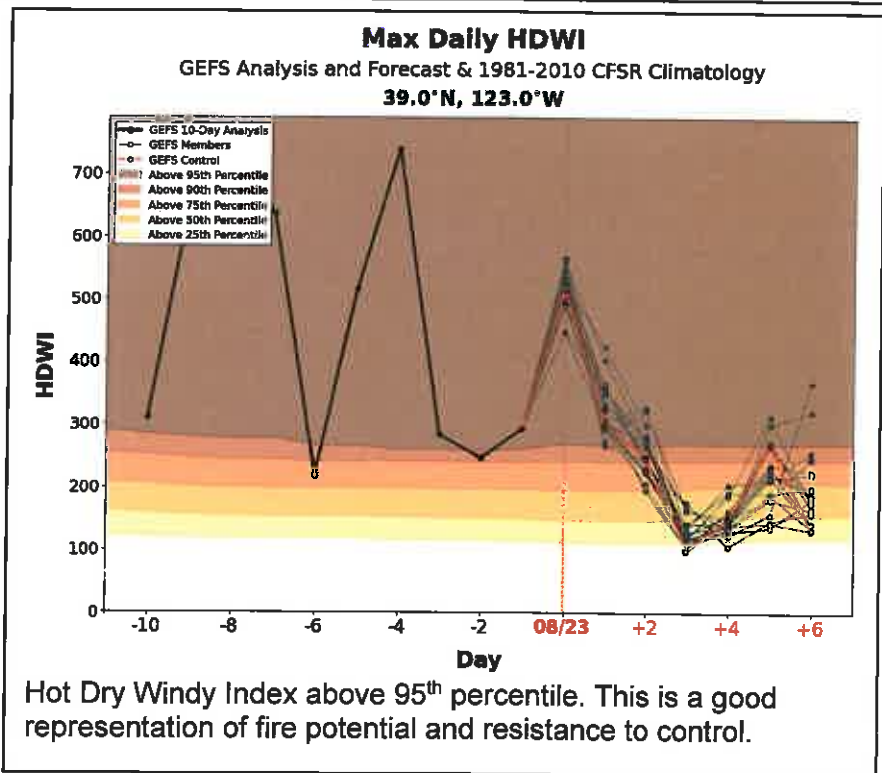
Expect swirling and eddying in creek drainages.

Fires have potential for upslope runs in brush and fuel dominated fire.

Expect fire spread in all directions, with spotting around 1/2-mile.

New starts will see moderate to rapid growth and establishment.

Unstable air will promote rapid fire growth and potential for plume dominated fire behavior.



AIR OPERATIONS:

Mostly clear skies with afternoon & evening erratic winds, with potential for thunder cell downdrafts. Mixing height: 3,000 ft. AGL. Transport winds: S/SE 10-15 mph, Sunrise 0631, Sunset 1954.

SAFETY

Downdrafts and outflow winds can create erratic and extreme fire behavior. Watch for thunder cell collapse, a sudden reversal in wind direction, a noticeable rise in wind speed, or a sharp drop in temperature.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 6	TYPE OF FIRE: Wildland Fire
FIRE NAME: BTU/TGU Lightning Complex	OPERATIONAL PERIOD: 24hr 8/24 (0700-0700)
DATE ISSUED: 8/23/2020	TIME ISSUED: 1900
UNIT: TGU	SIGNED: Jonathan Pangburn, FBAN

INPUTS

WEATHER SUMMARY **RED FLAG WARNING FOR THUNDERSTORMS & OUTFLOW WINDS**
See Weather Forecast in IAP.

OUTPUTS

GENERAL: **TEHAMA ZONE**
1,000-hr dead fuel moisture at 90th percentile. Severe Drought conditions. South winds run against normal diurnal downslope winds, creating swirling eddies. Brush at critical fuel moisture & highly receptive to burning with fuel dominated fire. Sunny, hot, and dry – expect new starts to become established quickly.

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	8' (2.4 m)	70 ch/hr (1.4 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Grass/Shrub Mix	10' (3.0 m)	45 ch/hr (0.9 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Shrub	20' (6.1 m)	65 ch/hr (1.3 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Timber Understory	10' (3.0 m)	15 ch/hr (0.3 km/hr)	< 1/2 mile (8 km)	90% (with clear sky)
Timber Litter	5' (1.5 m)	10 ch/hr (0.2 km/hr)	< 1/2 mile (8 km)	90% (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:

Creek drainages will see battling winds from diurnal flows & southerly wind. Expect swirling and eddying in creek drainages.

New starts will see rapid growth and establishment.

DIV A / X: Fire behavior moderated under smoke cover, with creeping in timber understory, flame lengths ~5'.

DIV C / N: Minimal fire behavior observed, with potential for smoldering areas to pick up activity with high temp, low RH, and increased wind.

DIV Q / T / V: Moderate rates of spread, flame lengths 10-15' in brush.

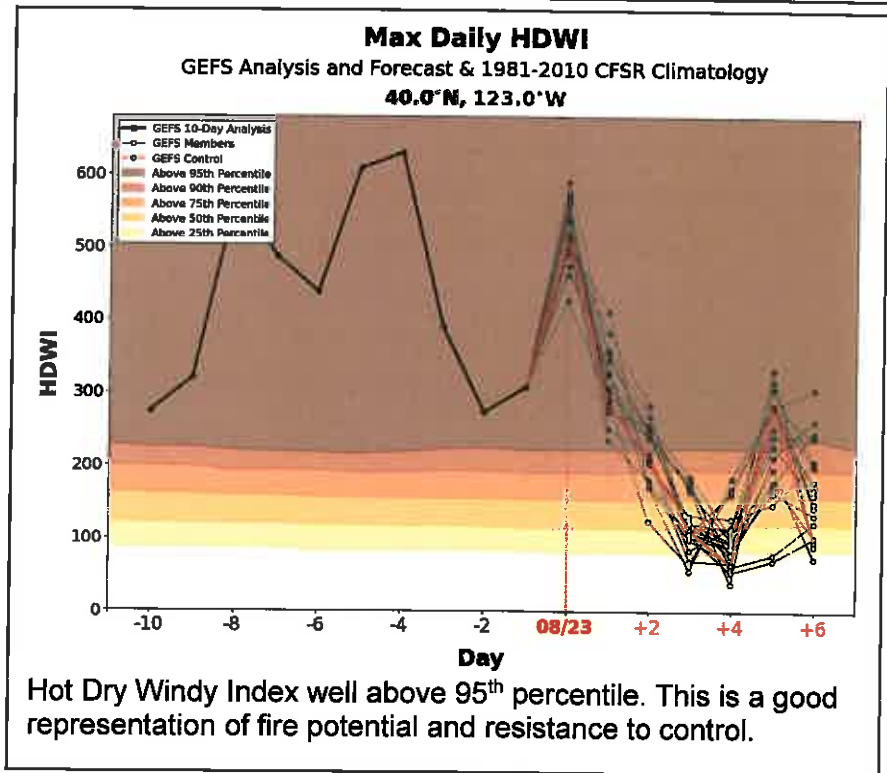
Unstable air will promote rapid fire growth and potential for plume dominated fire behavior.

AIR OPERATIONS:

Mostly clear skies with afternoon & evening erratic winds, with potential for thunder cell downdrafts. Mixing height: 4,000 ft. AGL. Transport winds: S 10-15 mph, Sunrise 0631, Sunset 1954.

SAFETY

Downdrafts and outflow winds can create erratic and extreme fire behavior. Watch for thunder cell collapse, a sudden reversal in wind direction, a noticeable rise in wind speed, or a sharp drop in temperature.



Downdrafts and outflow winds can create erratic and extreme fire behavior. Watch for thunder cell collapse, a sudden reversal in wind direction, a noticeable rise in wind speed, or a sharp drop in temperature.

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division I AA
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4. Operations Personnel:		Page 1 of 2 Alpha-Alpha
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)	Deputy Ops: Garrett Sjolund (Butte Zone)	
Branch Director: Gus Boston	Branch Safety:	
Division/Group Supervisor: Tim Cassone	Air Attack:	

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
ENG6 BTC 610			NORMAN, J	2	E-122-BTU LIGHT	0700-1900	Carpenter Ridge
DOZ PVT E-5 - DIAMOND			CRAIG		E-5-BTU LIGHT	0700-0700	Carpenter Ridge
DOZ PVT E-6 - GREG HUMPHERY					E-6-BTU LIGHT	0700-0700	Carpenter Ridge
DOZ PVT E-8 - MCGOWEN			MCGOWEN		E-8-BTU LIGHT	0700-0700	Carpenter Ridge
DOZ PVT E-11- TRG				2	E-11-POTTERS	0700-0700	Carpenter Ridge
DOZ PVT E-12- ACT FAST					E-12-POTTERS	0700-0700	Carpenter Ridge
DOZ PVT E-26 - ACT FAST					E-26-BTU LIGHT	0700-0700	Carpenter Ridge
DOZ PVT E-27 - BRAUN				2	E-27-BTU LIGHT	0700-0700	Carpenter Ridge
DOZ PVT E-29 - ERIC SPRATT			SPRATT, ERIK	2	E-29-BTU LIGHT	0700-1900	Carpenter Ridge
DOZ PVT E-30 - MELANIE			MOORE, SONNY JR	2	E-30-BTU LIGHT	0700-0700	Carpenter Ridge
DOZ PVT E-31 - SONNY			MOORE, SONNY	2	E-31-BTU LIGHT	0700-0700	Carpenter Ridge
W/T1 PVT E-19 - BLACK				2	E-19-BTU LIGHT	0700-0700	Carpenter Ridge
W/T PVT E-82 HOLMES			NEWLAND, H	2	E-82-BTU LIGHT	0700-1900	Carpenter Ridge
FELL+						0700-0700	Carpenter Ridge
FELL+						0700-0700	Carpenter Ridge
FELL+						0700-0700	Carpenter Ridge
MAST PVT E-1043 - WURLITZER			WURLITZER, GEORGE	1	E-1043-BTU LIGHT	0700-1900	Carpenter Ridge
MAST PVT E-1045 - WURLITZER			WURLITZER, GEORGE	1	E-1045-BTU LIGHT	0700-1900	Carpenter Ridge

6. Work Assignments:
Construct Indirect Line to Thatcher Ridge. Identify all fires with GPS location, fire size, handline needs, and percentage of containment. Mop up 100'. Cut and Improve Hand and Dozer Line where needed. Backhaul trash.
ALL resources monitor BTU local.

***** BUTTE CMD CHANNEL is NO LONGER AVAILABLE *****
Use CDF CMD 1 with appropriate Tx Tone for your location within BUTTE ZONE-for correct repeater (see 205)

7. Special Instructions:
Limited designated Safety Officers and limited designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are extremely limited.
Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor.
You're responsible for your own lookout, identify one and make it known.

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C1	1	COMMAND	151.3550	103.5 (T8)	159.3000	131.8 (T3)	BLOOMER
CDF T24	7	TACTICAL	151.3325	192.8 (T16)	151.3325	192.8 (T16)	BRANCH I/X
CDF T18	14	AIR TO GROUND	159.3450	192.8 (T16)	159.3450	192.8 (T16)	**** AIR TO GROUND ****
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name: Gwyndolyn Ozard	RESL	Signature:
ICS 204	Date/Time: 8/23/2020 2200	Personnel Count: 18

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division I AA
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4. Operations Personnel:		Page 2 of 2 Alpha-Alpha
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)	Deputy Ops: Garrett Sjolund (Butte Zone)	
Branch Director: Gus Boston	Branch Safety:	
Division/Group Supervisor: Tim Cassone	Air Attack:	

5. Resources Assigned:	** Resources Below in Bold are 12 Hour **							
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location	
MAST+						0700-0700	Carpenter Ridge	
MAST+						0700-0700	Carpenter Ridge	
MAST+						0700-0700	Carpenter Ridge	
MAST+						0700-0700	Carpenter Ridge	
HEQB(T) LEWIS			LEWIS, PATRICK	1		0700-1900	Carpenter Ridge	
HEQB(T) SIMMS			SIMMS, PETE	1		0700-1900	Carpenter Ridge	
HEQB+						0700-0700	Carpenter Ridge	

6. Work Assignments:
 Construct Indirect Line to Thatcher Ridge. Identify all fires with GPS location, fire size, handline needs, and percentage of containment. Mop up 100'. Cut and Improve Hand and Dozer Line where needed. Backhaul trash.
 ALL resources monitor BTU local.
***** BUTTE CMD CHANNEL is NO LONGER AVAILABLE *****
Use CDF CMD 1 with appropriate Tx Tone for your location within BUTTE ZONE-for correct repeater (see 205)

7. Special Instructions:
 Limited designated Safety Officers and limited designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are extremely limited.
 Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor.
 You're responsible for your own lookout, identify one and make it known.

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C1	1	COMMAND	151.3550	103.5 (T8)	159.3000	131.8 (T3)	BLOOMER
CDF T24	7	TACTICAL	151.3325	192.8 (T16)	151.3325	192.8 (T16)	BRANCH IX
CDF T18	14	AIR TO GROUND	159.3450	192.8 (T16)	159.3450	192.8 (T16)	**** AIR TO GROUND ****
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name: Gwyndolyn Ozard RESL
 Signature:
ICS 204 Date/Time: 8/23/2020 2200 Personnel Count: 2

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division I WW
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4. Operations Personnel:		Page 1 of 1 Whiskey-Whiskey
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)		Deputy Ops: Garrett Sjolund (Butte Zone)
Branch Director: Gus Boston		Branch Safety:
Division/Group Supervisor: Chris Markey		Air Attack:

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
ENG2 ORO 1			HARPER, J	3	E-22-POTTERS	0700-1900	CAL FIRE STN. 23
ENG3 BTC 321					E-107-BTU LIGHT	0700-1900	CAL FIRE STN. 23
ENG3 BTC 342			ANDERSON, T	4		0700-1900	CAL FIRE STN. 23
ENG3 CHI 15			MAIN, D	3	E-102-BTU LIGHT	0700-1900	CAL FIRE STN. 23
ENG6 BTC 637			ELLIS, N	3		0700-1900	CAL FIRE STN. 23
ENG6 BTU 672			SUSCHNICK, JUSTIN	2	E-150 BTU LIGHT	0700-1900	CAL FIRE STN. 23
ENG6+						0700-0700	CAL FIRE STN. 23
W/T1 BTC 25			CHURCHILL, B	1	E-125-BTU LIGHT	0700-1900	CAL FIRE STN. 23
W/T OES 61			WAFFORD, BRIAN	2	E-1020-BTU LIGHT	0700-0700	CAL FIRE STN. 23
W/T2 PVT E-1029 - GRANT					E-1029-BTU LIGHT	0700-1900	CAL FIRE STN. 23
FALM+						0700-1900	CAL FIRE STN. 23

6. Work Assignments:
 Hold and Improve Control Lines to mitigate threat of fire escaping. Patrol all Fires.
 Back Haul Excess Trash/Hose/Water to CAL FIRE STN. 23.
 Identify all fires by GPS location, fire size, handline needs, and percentage of containment.
 ALL resources monitor BTU local.

***** BUTTE CMD CHANNEL is NO LONGER AVAILABLE *****
Use CDF CMD 1 with appropriate Tx Tone for your location within BUTTE ZONE-for correct repeater (see 205)

7. Special Instructions:
 Limited designated Safety Officers and limited designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are extremely limited.
 Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor.
 You're responsible for your own lookout, identify one and make it known.

8. Communications

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C1	1	COMMAND	151.3550	103.5 (T8)	159.3000	131.8 (T3)	BLOOMER
CDF T29	8	TACTICAL	151.3475	192.8 (T16)	151.3475	192.8 (T16)	BRANCH I
CDF T18	14	AIR TO GROUND	159.3450	192.8 (T16)	159.3450	192.8 (T16)	**** AIR TO GROUND ****
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

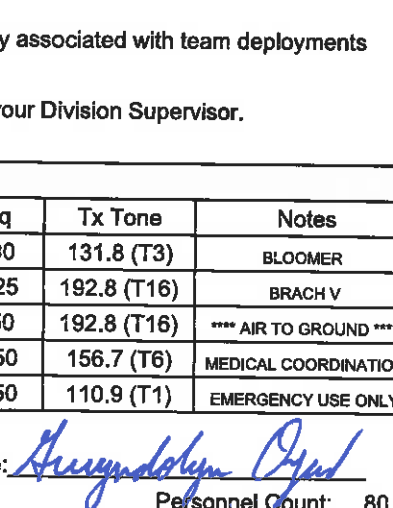
9. Prepared by: Name: Gwyndolyn Ozard RESL

Signature:

ICS 204 Date/Time: 8/23/2020 2200 Personnel Count: 18

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex		2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700				3. Branch Division V DD	
4. Operations Personnel: Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T) Branch Director: Deputy Ops: Garrett Sjolund (Butte Zone) Division/Group Supervisor: Jason Finney Branch Safety: Air Attack:		Page 1 of 2 Delta-Deita					
5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
**STC SKU 9261C			CUNNINGHAM, KENT	19	E-7-POTTERS	0700-1900	Inskip
STC XSU 3225C			EPPERSON, RICHARD	19 +/-	E-1-BTU LIGHT	0700-1900	Inskip
SHU T/F 01 (3,3,3,3,CRW)			FORD, RANDY	3	E-52-BTU LIGHT	0700-1900	Inskip
STG TGU 9254G			JORGENSEN, DYLAN	33 +/-	C-1-BTU LIGHT	0700-1900	Inskip
STG+						0700-0700	Inskip
STG+						0700-0700	Inskip
STG+						0700-0700	Inskip
DOZ PVT E-7 - KITE SOLUTION				2	E-7-BTU LIGHT	0700-0700	Inskip
DOZ PVT E-28 - COTTONWOOD				2	E-28-BTU LIGHT	0700-0700	Inskip
DOZ PVT E-140 - WURLITZER					E-140-BTU LIGHT	0700-0700	Inskip
DOZ PVT E-141 - BUTTE 1			SIMS	2	E-141	0700-0700	Inskip
DOZ+						0700-0700	Inskip
DOZ+						0700-0700	Inskip
DOZ+						0700-0700	Inskip
DOZ+						0700-0700	Inskip
DOZ+						0700-0700	Inskip
DOZ+						0700-0700	Inskip
DOZ+						0700-0700	Inskip
W/T1 OES WT-31					E-126-BTU LIGHT	0700-1900	Inskip
6. Work Assignments: Hold Fire within established Control Lines. Conduct Direct Fire Attack. Back Haul Excess Trash/Hose/Water to STN 13 or any DP. Construct Secondary Line from Road 130 A1 to Road 460 B. ** Resources with ** identified to be available for Region IA Response. ALL resources monitor BTU local. *** BUTTE CMD CHANNEL is NO LONGER AVAILABLE *** Use CDF CMD 1 with appropriate Tx Tone for your location within BUTTE ZONE-for correct repeater (see 205)							
7. Special Instructions: Limited designated Safety Officers and limited designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are extremely limited. Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor. You're responsible for your own lookout, identify one and make it known.							
8. Communications		Use 205 Page 1 - BUTTE ZONE					
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C1	1	COMMAND	151.3550	103.5 (T8)	159.3000	131.8 (T3)	BLOOMER
CDF T32	10	TACTICAL	151.2425	192.8 (T16)	151.2425	192.8 (T16)	BRACH V
CDF T18	14	AIR TO GROUND	159.3450	192.8 (T16)	159.3450	192.8 (T16)	*** AIR TO GROUND ***
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY
9. Prepared by: Name:		Gwyndolyn Ozard		RESL		Signature: 	
ICS 204		Date/Time: 8/23/2020 2200		Personnel Count: 80			

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division V PP
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4. Operations Personnel:		Page 1 of 1 Papa-Papa
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)		Deputy Ops: Garrett Sjolund (Butte Zone)
Branch Director: Jason Finney		Branch Safety:
Division/Group Supervisor: *Mike Conaty, M. Ekdahl (ENG 327)		Air Attack:

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
LNF T/F 1(3,3,3,3,3,CRW,CRW)						0700-1900	Inskip
ENG3 BTC 327			EKDAHL	4	E-1015-BTU LIGHT	0700-1900	Inskip
*ENG3 BTC 333			DANIELS, WESLEY	4	E-1056-BTU LIGHT	0700-1900	Inskip
CRW2 BTU CREW 5			COLLIN, B	16 +/-	C-13-BTU LIGHT	0700-1900	Inskip
W/T1 EMD 3					E-129-BTU LIGHT	0700-0700	Inskip
W/T BTC 31			JOHNSON, RAY			0700-1900	Inskip
W/T1 BTC 42				2	E-124-BTU LIGHT	0700-1900	Inskip
W/T1 PVT E-17 - FORD					E-17-POTTERS	0700-0700	Inskip
FALM MATNEY			MATNEY		O-35-BTU LIGHT	0700-1900	Inskip

6. Work Assignments:
 Hold Fire within established Control Lines.
 Identify all fires by GPS location, fire size, handline needs, and percentage of containment.
 ALL resources monitor BTU local.
 *Resources with * identified to be available for BTU IA Response.
***** BUTTE CMD CHANNEL is NO LONGER AVAILABLE *****
 Use CDF CMD 1 with appropriate Tx Tone for your location within BUTTE ZONE-for correct repeater (see 205)

7. Special Instructions:
 Limited designated Safety Officers and limited designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are extremely limited.
 Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor.
 You're responsible for your own lookout, identify one and make it known.

8. Communications

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C1	1	COMMAND	151.3550	103.5 (T8)	159.3000	131.8 (T3)	BLOOMER
CDF T32	10	TACTICAL	151.2425	192.8 (T16)	151.2425	192.8 (T16)	BRANCH V
CDF T18	14	AIR TO GROUND	159.3450	192.8 (T16)	159.3450	192.8 (T16)	**** AIR TO GROUND ****
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name:	Gwyndolyn Ozard	RESL	Signature:
ICS 204	Date/Time: 8/23/2020	2200	Personnel Count: 26

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division V SS
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4. Operations Personnel:		Page 1 of 2 Sierra-Sierra
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)		Deputy Ops: Garrett Sjolund (Butte Zone)
Branch Director: Jason Finney		Branch Safety:
Division/Group Supervisor: Jeff Edson		Air Attack:

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
ENG3 BTU 2167					E-108-BTU LIGHT	0700-1900	Inskip
ENG3 BTU 2169					E-105-BTU LIGHT	0700-0700	Inskip
ENG3 BTU 2181					E-114-BTU LIGHT	0700-1900	Inskip
ENG3 BTC E-37			VANDURGROF, JESSIE			0700-1900	Inskip
ENG3 BTC 360					E-104-BTU LIGHT	0700-0700	Inskip
ENG3+						0700-0700	Inskip
ENG3+						0700-0700	Inskip
**STG AEU 9275G			DRUMMOND, HOWARD		C-3000	0700-1900	Inskip
CRW2 BTU CRW 2			ALVAREZ	16	C-13	0700-1900	Inskip
CRW1 C-11 BFC1			VERSKA	16 +/-	C-11-BTU LIGHT	0700-1900	Inskip
CRW2+						0700-0700	Inskip
DOZ BTU 2140						0700-0700	Inskip
DOZ BTU 2149					E-147-BTU LIGHT	0700-0700	Inskip
DOZ SHU 2442				2	E-9-POTTERS	0700-0700	Inskip
W/T JKS 6340			SHARP, ALEX		E-1021	0700-0700	Inskip
W/T PVT E-15 -DAVIS			DAVIS	2	E-15-POTTERS	0700-0700	Inskip
W/T1 PVT E-18 - MARYMEE			MARYME, PATTY	2	E-18-POTTERS	0700-0700	Inskip
W/T1 PVT E-23 - TWO BROTHER			GOMEZ, ART	2	E-23-BTU LIGHT	0700-0700	Inskip

6. Work Assignments:
 Construct Secondary Line From Inskip Creek to Butte Creek. Conduct Direct Fire Attack.
 Hold and Improve Control Lines to mitigate threat of fire escaping.
 ALL resources monitor BTU local.
 ** Resources with ** identified to be available for Region IA Response.
***** BUTTE CMD CHANNEL is NO LONGER AVAILABLE *****
Use CDF CMD 1 with appropriate Tx Tone for your location within BUTTE ZONE for correct repeater (see 205)

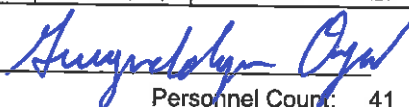
7. Special Instructions:
 Limited designated Safety Officers and limited designated Line Medics. These positions are typically associated with team deployments however with resource draw down they are extremely limited.
 Strike Team Leaders identify Safety Officer and Line Medic qualification and make them known to your Division Supervisor.
 You're responsible for your own lookout, identify one and make it known.

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C1	1	COMMAND	151.3550	103.5 (T8)	159.3000	131.8 (T3)	BLOOMER
VFIRE 23	11	TACTICAL	154.2950	156.7 (T6)	154.2950	156.7 (T6)	BRANCH V
CDF T18	14	AIR TO GROUND	159.3450	192.8 (T16)	159.3450	192.8 (T16)	**** AIR TO GROUND ****
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name:	Gwyndolyn Ozard	RESL	Signature:
ICS 204	Date/Time: 8/23/2020	2200	Personnel Count: 40

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex		2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700				3. Branch Division XXV WW	
4. Operations Personnel:						Page 1 of 1 Whiskey-Whiskey	
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)				Deputy Ops: Mark Brown (Glenn Zone)			
Branch Director: Ethan Darnall				Branch Safety:			
Division/Group Supervisor: Ryan Ellis (T)				Air Attack:			
5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
CNR T/F 05 (6,6,6,6,6)			THOMAS, TROY	16	E-46-TGU BAT 4	0700-0700	DP25
ENG3 TGU 2574			HAMILTON, SEAN	3	E-10-TGU BAT 4	0700-0700	DP25
ENG3 GCF 305			GIESBRECHT, STEVE	4	E-18-TGU BAT 4	0700-0700	DP25
ENG3+						0700-0700	DP25
ENG3+						0700-0700	DP25
CRW VALLEY VIEW 5			PAMATZ, FAUSTINO	13	C-4-TGU BAT 4	0700-0700	DP25
DOZ PVT E-21 - Tehama 2					E-21	0700-0700	DP25
DOZ PVT E-40 - SUNRISE			O'BRIAN, MIKE	2	E-40-TGU BAT 4	0700-0700	DP25
DOZ+						0700-0700	DP25
DOZ+						0700-0700	DP25
DOZ+						0700-0700	DP25
W/T PVT E-32 - TURRI				2	E-32-TGU BAT 4	0700-0700	DP25
W/T2 PVT E-42 - M & C				1	E-42-TGU BAT 4	0700-1900	DP25
W/T1 PVT E-43 - ACT FAST					E-43-TGU BAT 4	0700-0700	DP25
HEQB+						0700-0700	DP25
6. Work Assignments: Prepare lines for implementation of firing plan. Manage and respond to new incidents in the Battalion 4 LCA. ALL resources monitor TGU local.							
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. You're responsible for your own lookout, identify one and make it known.							
8. Communications		Use 205 Page 1 - BUTTE ZONE					
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C7	1	COMMAND	151.4600	103.5 (T8)	159.3900	110.9 (T1)	TURNER MTN
CDF T29	5	TACTICAL	151.3475	192.8 (T16)	151.3475	192.8 (T16)	BRANCH I
CDF T15	14	AIR TO GROUND	159.2700	192.8 (T16)	159.2700	192.8 (T16)	**** AIR TO GROUND****
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY
9. Prepared by: Name:		Gwyndolyn Ozard		RESL			
Signature: 		Date/Time: 8/23/2020 2200		Personnel Count: 41			

ICS 204

NIMS IAP

CONTROLLED UNCLASSIFIED INFORMATION/BASIC

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division XXX A
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4. Operations Personnel:		Page 1 of 1 Alpha
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)	Deputy Ops: M. Smith (Day) / J. Hudson (Night) (Tehama Zone)	
Branch Director: Gerry Magana	Branch Safety:	
Division/Group Supervisor: Glen Tingley/ Kevin Osborne (T)	Air Attack:	

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
T/F UTAH 1 (3,3,3,6)			WIDDISON, ANTHONY	17	E-20012-BTU LIGHT	0700-1900	DP-31
ENG3 TGU 2553			BUTLER, DAVE	3	E-4-TGU BAT 3	0700-0700	DP-31
ENG3 SHF 331			CARMAN, BRIAN		SHF LIGHT	0700-1900	DP-31
ENG TGC 210						0700-1900	DP-31
CRW2 TGU CRW2			TRIGGS, CLAYTON	14+/-		0700-1900	DP-31
CRW1+						0700-0700	DP-31
CRW1+						0700-0700	DP-31
CRW1+						0700-0700	DP-31
CRW1+						0700-0700	DP-31
DOZ SHF DOZ-79			GRAHAM		SHF LIGHT	0700-1900	DP-31
DOZ PVT E-35 - SCHREDER				2	E-35-TGU BAT 4	0700-0700	DP-31
DOZ PVT E-36 - VORIS				2	E-36-TGU BAT 4	0700-0700	DP-31
DOZER T2 - VIPR - PACIFIC RIDGE					E-58-SHF LIGHT	0700-1900	DP-31
DOZER TYPE 2 - NORTHWESTER					E-92-SHF LIGHT	0700-1900	DP-31
DOZ+						0700-0700	DP-31
DOZ+						0700-0700	DP-31
FALM PACIFIC RIDGE			ADAMS, ERNEST		SHF LIGHT	0700-1900	DP-31

6. Work Assignments:
Construct Direct and Contingency Lines where appropriate. Perform Tactical Patrol around structures for the potential of new starts. Mop up 100' around structures to prevent structure damage, and alleviate citizen concerns.
ALL resources monitor TGU local.

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.
You're responsible for your own lookout, identify one and make it known.

8. Communications	Use 205 Page 2 - TEHAMA ZONE						
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C7	1	COMMAND	151.4600	103.5 (T8)	159.3900	110.9 (T1)	TURNER MTN
VFIRE 21	9	TACTICAL	154.2800	156.7 (T6)	154.2800	156.7 (T6)	BRANCH XXX
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL CORDINATION
CDF T15	14	AIR TO GROUND	159.2700	192.8 (T16)	159.2700	192.8 (T16)	**** AIR TO GROUND****
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name: Gwyndolyn Ozard RESL Signature: 

ICS 204 Date/Time: 8/23/2020 2200 Personnel Count: VALUE

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division XXX G
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4. Operations Personnel:		Page 1 of 1 Golf
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)		Deputy Ops: M. Smith (Day) / J. Hudson (Night) (Tehama Zone)
Branch Director: Gerry Magana		Branch Safety:
Division/Group Supervisor: Shane Galvez		Air Attack:

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
ENG3 TGU 2583			LECKEMBY, KYLE	4	E-2-TGU BAT 3	0700-1900	DP-34
CRW1+						0700-1900	DP-34
DOZ T3 E-9 - IRON TRANS					E-9-TGU BAT 3	0700-0700	DP-34
DOZ PVT E-11 - STRIKE FIRST					E-11-TGU BAT 3	0700-0700	DP-34
DOZ PVT E-18					E-18 TGU BAT 3	0700-0700	DP-34
DOZ PVT E-24					TGU BATT 3	0700-0700	DP-34
DOZ+						0700-0700	DP-34
DOZ+						0700-0700	DP-34
DOZ+						0700-0700	DP-34
DOZ+						0700-0700	DP-34
W/T PVT E-7			MAIN, DAVE		E-7 TGU BAT 3	0700-1900	DP-34
W/T1 PVT E-14 - LEPAGE			PONKE, FRANK		E-14-TGU BAT 3	0700-1900	DP-34
W/T1 PVT E-15 - SHUMAS			SHULTS, JUSTIN		E-15-TGU BAT 3	0700-1900	DP-34
W/T PVT E-29 - WEINRICH					E-29-TGU BAT 4	0700-0700	DP-34
W/T1 PVT E-1030 - GRANT					E-1030-BTU LIGHT	0700-1900	DP-34
W/T+						0700-1900	DP-34
HEQB Brady			Brady			0700-0700	DP-34

6. Work Assignments:
Construct Direct, Indirect, and Contingency Lines where appropriate.
Hold and Improve Control Lines to mitigate threat of fire escaping.
ALL resources monitor TGU local.

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.
You're responsible for your own lookout, identify one and make it known.

8. Communications	Use 205 Page 2 - TEHAMA ZONE						
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C7	1	COMMAND	151.4600	103.5 (T8)	159.3900	110.9 (T1)	TURNER MTN
CDF T27	5	TACTICAL	159.3075	192.8 (T16)	159.3075	192.8 (T16)	BRANCH XXX
CALCORD	14	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL CORDINATION
CDF T15	15	AIR TO GROUND	159.2700	192.8 (T16)	159.2700	192.8 (T16)	**** AIR TO GROUND****
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name: Gwyndolyn Ozard RESL Signature:

ICS 204 Date/Time: 8/23/2020 2200 Personnel Count: 4

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division XXXVI X
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4. Operations Personnel:		Page 1 of 2 X-ray
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T) Branch Director: Tim Perkins Division/Group Supervisor: Matt Brown	Deputy Ops: M. Smith (Day) / J. Hudson (Night) (Tehama Zone) Branch Safety: Air Attack:	

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
T/F UTAH 2 (6,6,6,6)			CATHER, DAN	14	E-20013-BTU LIGHT	0700-1900	Red Bank Fire STN
ENG3 TGU 2571					E-8-TGU BAT 1	0700-1900	Red Bank Fire STN
ENG3 TGU 2580			TROEHLER, MATT	4	E-20-TGU BAT 4	0700-1900	Red Bank Fire STN
ENG3 TGU 2582			TRULL, GABRIEL	4	E-3-TGU BAT 1	0700-1900	Red Bank Fire STN
ENG3 TGU 2584			MARRIOTT, ERIC	3	E-11-TGU BAT 4	0700-0700	Red Bank Fire STN
CRW ISHI CREW 2						0700-1900	Red Bank Fire STN
CRW VALLEY VIEW 6			REID	14 +/-	C-1-TGU BAT 4	0700-1900	Red Bank Fire STN
CRW1+						0700-0700	Red Bank Fire STN
CRW1+						0700-0700	Red Bank Fire STN
CRW1+						0700-0700	Red Bank Fire STN
DOZ PVT E-10 - DAVIS					E-10-TGU BAT 3	0700-0700	Red Bank Fire STN
DOZ2 PVT E-12 - INGRAM			ADAMS, NICK		E-12-TGU BAT 3	0700-0700	Red Bank Fire STN
DOZ PVT E-22 - M & S					E-22-TGU BAT 4	0700-0700	Red Bank Fire STN
DOZ PVT E-30000-LAWRENCE					E-30000-BTU LIGHT	0700-0700	Red Bank Fire STN
DOZ+						0700-0700	Red Bank Fire STN
DOZ+						0700-0700	Red Bank Fire STN
DOZ+						0700-0700	Red Bank Fire STN
DOZ+						0700-0700	Red Bank Fire STN

6. Work Assignments:
Construct Direct, Indirect, and Contingency Lines where appropriate.
Perform Tactical Patrol around structures.
Scout Fire/Branch/Division to validate Control Lines, Division Breaks, and Branch Breaks.
ALL resources monitor TGU local.

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.
You're responsible for your own lookout, identify one and make it known.

8. Communications		Use 205 Page 2 - TEHAMA ZONE					
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C7	1	COMMAND	151.4600	103.5 (T8)	159.3900	110.9 (T1)	TURNER MTN
CDF T32	8	TACTICAL	151.2425	192.8 (T16)	151.2425	192.8 (T16)	BRANCH XXXVI
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL CORDINATION
CDF T15	14	AIR TO GROUND	159.2700	192.8 (T16)	159.2700	192.8 (T16)	**** AIR TO GROUND****
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name: Gwyndolyn Ozard RESL
Signature:
ICS 204 Date/Time: 8/23/2020 2200 Personnel Count: 39

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex	2. Operational Period: Date From: 08/24/20 Date To: 08/25/20 Time From: 0700 Time To: 0700	3. Branch Division XXXVI X
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4. Operations Personnel:		Page 2 of 2 X-ray
Operations Section Chief: Shane Lauderdale (Day), Jeremi Roesler (T)	Deputy Ops: M. Smith (Day) / J. Hudson (Night) (Tehama Zone)	
Branch Director: Tim Perkins	Branch Safety:	
Division/Group Supervisor: Matt Brown	Air Attack:	

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
DOZ+						0700-0700	Reporting Location
W/T1 PVT E-1023 - TOUGH CO			BASHAM, MARK	1	E-1023-BTU LIGHT	0700-1900	Reporting Location
W/T1 PVT E-1024 - RUTHERFORD			RUTHERFORD, TOM	2	E-1024-BTU LIGHT	0700-0700	Reporting Location
W/T2 PVT E-1026 - WELLS			WELLS, JEFF	2	E-1026-BTU LIGHT	0700-0700	Reporting Location
W/T PVT E-1028 - DARRAH			PRESTON, COREY	2	E-1028-BTU LIGHT	0700-0700	Reporting Location
W/T PVT E-2027 - DARRAH			KAUNDART, DAVE	2	E-1027-BTU LIGHT	0700-0700	Reporting Location
HEQB SMITH			SMITH, RYAN	1	O-8-TGU BAT 4	0700-0700	Reporting Location
HEQB BROWETT			BROWETT, WARREN		O-139-BTU LIGHT	0700-0700	Reporting Location

6. Work Assignments:
 Construct Direct, Indirect, and Contingency Lines where appropriate.
 Perform Tactical Patrol around structures.
 Scout Fire/Branch/Division to validate Control Lines, Division Breaks, and Branch Breaks.
 ALL resources monitor TGU local.

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.
 You're responsible for your own lookout, identify one and make it known.

8. Communications	Use 205 Page 2 - TEHAMA ZONE						
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C7	1	COMMAND	151.4600	103.5 (T8)	159.3900	110.9 (T1)	TURNER MTN
CDF T32	8	TACTICAL	151.2425	192.8 (T16)	151.2425	192.8 (T16)	BRANCH XXXVI
CALCORD	15	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL CORDINATION
CDF T15	14	AIR TO GROUND	159.2700	192.8 (T16)	159.2700	192.8 (T16)	**** AIR TO GROUND****
AIRGUARD	16	AIRGUARD	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

9. Prepared by: Name: Gwyndolyn Ozard RESL Signature: *Gwyndolyn Ozard*

ICS 204 Date/Time: 8/23/2020 2200 Personnel Count: 10



SAFETY MESSAGE

BTU/TGU Lightning Complex

August 24, 2020 0700-0700 CA-BTU-009692



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DRIVING

DRIVING CONTRIBUTES TO ONE OF THE LEADING CAUSES OF FIREFIGHTER FATALITIES

Watch Out- Maintain a high level of situational awareness in all driving situations and while working near roadways **“SLOW DOWN”**

- Very narrow, steep roads exist throughout the fire area
- Some areas of the fire require long travel times
- Smoke conditions at times are compromising visibility

Mitigation – Drive with a high level of Situational Awareness and adjust driving techniques per your situation

- Don't "thread the needle". Don't take your vehicle where it doesn't belong
- Use spotters and back-up personnel in tight situations
- If you're feeling drowsy, don't drive. Stop and rest, change drivers or contact ground support and request a relief driver

CHANGE IN WEATHER

INCREASED WINDS and WIND SHIFTS IN FIRE AREA

Watch Out

- Increased Fire Behavior due to WIND changing of direction, **EXPECT** Out Flow Winds and Gradient Winds over the next 24 hours
- High probability for increased night time fire behavior
- Changes in wind and fire behavior due to lightning cells

Mitigation

- Keep informed on predicted fire weather conditions and forecasts (IIPP Fire Behavior Forecast)
- Base all actions on current and expected fire behavior
- Keep a "Heads Up" when working and Lightning Cells are in the area, reference **Lightning Safety Communication** insert for tailgate safety talks

OPERATE WITHIN YOUR LIMITS

WORK / REST, QUALIFICATIONS, FATIGUE

Watch Out

- **Hot weather** can lead to dehydration, heat illness, serious medical emergencies
- **Working beyond capabilities** can lead to a failure to identify risks
- **Extended days on duty** can lead to excessive fatigue resulting in serious injury

Mitigation

- Proper nutrition, rest and hydration reduces fatigue and exhaustion emergencies
- Know your qualification level and be honest about capabilities
- Supervisors, pay special attention to crew performance and adjust priorities as necessary

REMAIN FIRE FOCUSED AND COVID-19 AWARE

Brent Stangeland

SAFETY OFFICER



SAFETY COMMUNICATION -01 BTU-TGU LIGHTNING COMPLEX



LIGHTNING SAFETY

Thunderstorm warnings are anticipated for Sunday thru Tuesday; lightning has been predicted with this new storm. Thunderstorms cause significant hazards to our personnel, including downbursts causing a change in winds and producing extreme fire behavior and lightning. Prior to the thunderstorm development, lookouts should be posted and aware of the signs of a developing storm. For example, sudden reversal in wind direction, a noticeable rise in wind speed, and a sharp drop in temperature may note the mature stage of a storm. Heavy rain, hail and lightning occur only in the mature stage of a thunderstorm.

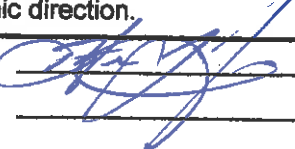

During a thunderstorm, use the following guidelines to protect your personnel:

- AVOID LYING DOWN ON THE GROUND
- ON THE FIRELINE, THE BEST POSITION IS SITTING ON YOUR PACK OR WEBGEAR OR CROUCHING WITH YOUR FEET CLOSE TOGETHER.
- AVOID SITTING DIRECTLY ON THE GROUND, IF POSSIBLE, BUT IF NECESSARY KEEP YOUR FEET AND BUTT CLOSE TOGETHER.
- MAINTAIN A FIFTEEN FOOT SEPERATION BETWEEN CREW MEMBERS
- STAY OUT OF DRY CREEK BEDS IN THE EVENT OF FLASH FLOODING, NOTHING TO DO WITH LIGHTNING.
- HANDHELD RADIOS WITH SHORT RUBBER ANTENNAS OR CELL PHONES ARE SAFE TO USE. COMMUNICATION IS VITAL TO PERSONNEL SAFETY. AVOID USING LAND LINES OR RADIOS WITH LENGTHY METAL ANTENNAS. BE AWARE RADIO AND CELL COMMUNICATIONS CAN BE DISRUPTED DURING A LIGHTNING EVENT
- WIDE OPEN SPACES ARE BETTER THAN LOCATIONS WITH TREES OR CLUMPS OF TREES. AVOID RIDGE TOPS, WIRE FENCES, UTILITY POLES OR LINES
- IF YOU FEEL THE HAIR ON YOUR HEAD OR ARMS RAISE, THERE IS A HIGH PROBABILITY OF A LIGHTNING STRIKE IN THE VACINITY...MAKE YOURSELF SMALL AND CROUCH, OR SIT ON YOUR PACK OR WEBGEAR.
- PLACE HANDTOOLS AWAY FROM YOU AND OTHER PERSONNEL
- STRUCTURES, FIRE ENGINES, CREW BUSES AND PICK-UPS PROVIDE SAFE SHELTER FROM A THUNDERSTORM



INCIDENT ACTION PLAN SAFETY ANALYSIS (ICS 215A)



1. Incident Name: BTU/TGU Lightning Complex		2. Incident Number: CA-BTU-009692	
3. Date/Time Prepared: Date: 08/23/2020 Time: 1700 hours		4. Operational Period: Date From: 08/24/2020 To: 08/25/2020 Time From: 0700 hours To: 0700 hours	
5. Incident Area	6. Hazards/Risks	7. Mitigations	
ALL	Lightning	Put down all tools, take shelter in a vehicle, avoid grouping together, avoid sitting directly on the ground, don't lie down, stay vigilant	
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	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	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: Brent Stangeland Signature: 	
Prepared by (Deputy Operations Section Chief):		Name: Shane Lauderdale Signature: 	
ICS 215A		Date/Time: 08.23.2020 1700 Hours	

AIR OPERATIONS SUMMARY ICS-220 BTU ZONE

Incident Name and Incident Number
 BTU Lightning Complex CA-BTU-009692

Sunrise 0627 **Startup** 0657 **Cutoff** 1924 **Sunset** 1954

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.

Time Prepared
 1800
Shutdown
 2024

Helibase Information
 Name Chico
 Latitude 39° 47.67
 Longitude 121° 51.52

Name
 Latitude
 Longitude
 (use page 2 if needed)

Date Prepared
 Sunday, August 23, 2020
Operational Period - Date
 Monday, August 24, 2020

TFR Information
 Request # A-70
 Radius: 7 NM
 Altitude: 8000' MSL
 Centerpoint: 39° 57.99' Lat
 121° 35.16' Long
 NOTAMS: 0/5836
 Frequency 134.325
<http://tfr.faa.gov/tfrz/list.html>

Prepared By
 Greg Bradshaw

Operational Period - Time
 0700 - 0700

Rescue Ship Information
 Name CA Nat Guard
 Phone CA Nat Guard
 Make/Model ECC
 Location Blackhawk
 Request Procedure for These Aircraft: Redding
 See Medical Plan For Additional Info
 Contact Incident Communications

FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks / A - #
AIR TACTICS		163.1500				
AIR / AIR Rotor Victor		134.3250				
AIR / AIR Briefing Victor						
AIR / GROUND (CDF T18)		159.3450	192.8 (16)	159.3450	192.8(16)	
COMMAND (CDF C1)		151.3550	103.5 (8)	159.3000		
TOLC						
DECK		163.1000		163.1000		
CALCORD - MEDICAL		156.0750	156.7 (6)	156.0750	156.7 (6)	
AIRGAURD - Emergency Only		168.6250		168.6250	110.9 (1)	

FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks / A - #
801	1	Chinook / CH-47	Chico	8:00	9:00	Long Line / A-29
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
804	1	Chinook / CH-47	Chico	8:00	9:00	Long Line / A-51
G32	3	UH-72 Lakota	Chico	8:00	9:00	HLCO / A-73
2EV	3	Airbus 350B2	Chico	7:00	8:00	Recon / A-74

FAA #	Type	Make/Model	Base	Avail	Start	Remarks
FIXED WING						

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex BUTTE ZONE	2. Date/Time Prepared Date: 08/23/2020 Time: 1930	3. Operational Period: Date From: 08/24/20 Time From: 0700 Date To: 08/25/20 Time To: 0700
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4. Communications									
Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes	
1	COMMAND	CDF C1 T3	BUTTE ZONE	151.3550	103.5 (T8)	159.3000	131.8 (T3)	BLOOMER	
2	COMMAND	CDF C1 T13	BUTTE ZONE	151.3550	103.5 (T8)	159.3000	141.3 (T13)	COLBY MTN	
3	COMMAND	CDF C1 T14	BUTTE ZONE	151.3550	103.5 (T8)	159.3000	151.4 (T14)	PLATTE	
4	COMMAND	CDF C1 T15	BUTTE ZONE	151.3550	103.5 (T8)	159.3000	162.2 (T15)	BALD MTN	
5									
6									
7	TACTICAL	CDF T24	DIV AA/GG	151.3325	192.8 (T16)	151.3325	192.8 (T16)	BRANCH I/X	
8	TACTICAL	CDF T29	DIV WW	151.3475	192.8 (T16)	151.3475	192.8 (T16)	BRANCH I	
9	TACTICAL	CDF T30	DIV HH/FF	151.3925	192.8 (T16)	151.3925	192.8 (T16)	BRANCH V	
10	TACTICAL	CDF T32	DIV DD/PP	151.2425	192.8 (T16)	151.2425	192.8 (T16)	BRANCH V	
11	TACTICAL	VFIRE 23	DIV SS	154.2950	156.7 (T6)	154.2950	156.7 (T6)	BRANCH V	
12									
13									
14	AIR TO GROUND	CDF T18	ALL DIVS	159.3450	192.8 (T16)	159.3450	192.8 (T16)	**** AIR TO GROUND ****	
15	MEDICAL	CALCORD	ALL DIVS	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL COORDINATION	
16	AIRGUARD	AIRGUARD	ALL DIVS	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY	
17									
18									
19									
20	AIRGUARD	AIRGUARD	EMERGENCY	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY	

5. Special Instructions
 ****THE LATEST CLONE FOR AUGUST 24,2020 IS BTU LCA3,TGU LCA4 AND GLN LCA1 WHICH IS THE GROUP NAME IN YOUR HT****

6. Prepared by (Communications Unit Leader): Name: Mike Heyfron COML	Signature:
ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION//BASIC	Date/Time: 08/23/20 1930

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED INFORMATION/BASIC

1. Incident Name: BTU Lightning Complex
GLENN ZONE

2. Date/Time Prepared: 08/23/2020
Date: 08/23/2020
Time: 1930

3. Operational Period: 08/24/20
Date To: 08/25/20
Time From: 0700
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)	TURNER MTN
2								
3								
4	TACTICAL	CDF T28	DIV BB/CC	151.1825	192.8 (T16)	151.1825	192.8 (T16)	BRANCH XXX
5	TACTICAL	CDF T29	DIV WW	151.3475	192.8 (T16)	151.3475	192.8 (T16)	BRANCH XXX
6	TACTICAL	CDF T27	DIV TT	159.3075	192.8 (T16)	159.3075	192.8 (T16)	BRANCH XXXV
7								
8								
9								
10								
11								
12								
13								
14	AIR TO GROUND	CDF T15	ALL DIVS	159.2700	192.8 (T16)	159.2700	192.8 (T16)	**** AIR TO GROUND****
15	MEDICAL	CALCORD	MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL CORDINATION
16	AIRGUARD	AIRGUARD	EMERGENCY	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY
17								
18								
19								
20	AIRGUARD	AIRGUARD	EMERGENCY	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

5. Special Instructions

THE LATEST CLONE FOR AUGUST 24,2020 IS BTU LCA3,TGU LCA4 AND GLN LCA1 WHICH IS THE GROUP NAME IN YOUR HT

6. Prepared by (Communications Unit Leader): Name: Mike Heyfron COML

Signature: *mfh*

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name:
 BTU Lightning Complex
 TEHAMA ZONE

2. Date/Time Prepared
 Date: 08/23/2020
 Time: 1930

3. Operational Period:
 Date From: 08/24/20
 Time From: 0700
 Date To: 08/25/20
 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)	TURNER MTN
2										
3	TACTICAL		CDF T1		DIV C	151.2575	192.8 (T16)	151.2575	192.8 (T16)	BRANCH XXX
4	TACTICAL		CDF T26		DIV Q	159.2925	192.8 (T16)	159.2925	192.8 (T16)	BRANCH XXXVI
5	TACTICAL		CDF T27		DIV G	159.3075	192.8 (T16)	159.3075	192.8 (T16)	BRANCH XXX
6	TACTICAL		CDF T29		DIV K	151.3475	192.8 (T16)	151.3475	192.8 (T16)	BRANCH XXX
7	TACTICAL		CDF T30		DIV T	151.3925	192.8 (T16)	151.3925	192.8 (T16)	BRANCH XXXVI
8	TACTICAL		CDF T32		DIV X	151.2425	192.8 (T16)	151.2425	192.8 (T16)	BRANCH XXXVI
9	TACTICAL		VFIRE 21		DIV A	154.2800	156.7 (T6)	154.2800	156.7 (T6)	BRANCH XXX
10	TACTICAL		VFIRE 23		DIV N	154.2950	156.7 (T6)	154.2950	156.7 (T6)	BRANCH XXXVI
11	TACTICAL		VFIRE 24		DIV V	154.2725	156.7 (T6)	154.2725	156.7 (T6)	BRANCH XXXVI
12	TACTICAL		VFIRE 25		CONTINGENCY	154.2875	156.7 (T6)	154.2875	156.7 (T6)	BRANCH XXXVI
13										
14	AIR TO GROUND		CDF T15		ALL DIVS	159.2700	192.8 (T16)	159.2700	192.8 (T16)	**** AIR TO GROUND****
15	MEDICAL		CALCORD		MEDICAL	156.0750	156.7 (T6)	156.0750	156.7 (T6)	MEDICAL CORDINATION
16	AIRGUARD		AIRGUARD		EMERGENCY	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY
17										
18										
19										
20	AIRGUARD		AIRGUARD		EMERGENCY	168.6250	000.0	168.6250	110.9 (T1)	EMERGENCY USE ONLY

5. Special Instructions

THE LATEST CLONE FOR AUGUST 24,2020 IS BTU LCA3,TGU LCA4 AND GLN LCA1 WHICH IS THE GROUP NAME IN YOUR HT

6. Prepared by (Communications Unit Leader): Name: Mike Heyfron COML
 Signature: *Mike Heyfron*

ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION//BASIC
 NIMS IAP
 Date/Time: 08/23/20 1930

**COLBY
CMD1, T13**



Repeater Locations

Butte Zone

Butte Lightning Complex

CA-BTU-009692

08/24/2020



2-22

2-19

2-18

2-16

2-30

2-26

1-7

2-29

2-23

1-8

2-28

1-12

1-2

1-13

**PLATTE
CMD1, T14**



**BALD
CMD1, T15**



1-11

**BLOOMER
CMD1, T3**



**BLOOMER
CMD1, T3**



2-8

2-5

2-7



2-6



2-21

2-2

2-1



2-24



2-24



1-1



5-6



5-8

5-8



5-4 Potters



5-7



5-2



5-3

Chico

32

99


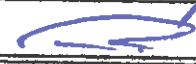
149

70

162

70

MEDICAL PLAN (ICS 206)

1. Incident Name: BTU Lightning Complex		2. Operational Period: Date From: 8/24/20 Date To: 8/25/20 Time From: 0700 Time To: 0700					
3. Medical Aid Stations:							
Name	Location	Contact Number/Freq	Paramedics				
CAL-MAT	ICP	(661)428-3010	MD				
Medical Supply Trailer	Magalia (Butte Fire Center)	N/A	Supply Only				
4. Transportation (Indicate air or ground):							
Ambulance Service	Location	Contact Number	Level of Service				
Medic 3210	Station 13 - Sterling City	Butte Command	ALS				
Saint Elizabeth Ambulance (Ground)	Red Bluff / Coming	(530)529-8542	ALS				
Westside Ambulance (Ground)	Orland	(530)895-9130	ALS				
Reach / CAL-STAR (Air)	Marysville	(800)338-4045	RN				
Enloe (Air)	Chico	(800)344-1863	RN				
Guard Copter (24hr ALS Hoist)	Redding (North Ops)	Red Bluff / Oroville	ALS				
5. Hospitals:							
Hospital Name	Address,	Contact Number(s)/ Frequency	Travel Time		Trauma Center	Burn Center	Helipad
	Lat & Long		Air	Ground			
Enloe Medical Center Chico, Ca	1531 Esplanade N39°44.53' W121°50.95'	(530)332-7743	7	20	Level 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Saint Elizabeth Comm Hospital Red Bluff, Ca	2550 Sister Mary Columbia Dr N40°08.95' W122°13.17'	(530)529-8300	5	15	Level 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glenn Medical Center Willows, Ca	1133 W Sycamore St Willows	(530)934-1840	N/A	30	N/A	<input type="checkbox"/>	<input type="checkbox"/>
UC Davis Medical Center Sacramento, Ca	2315 Stockton Blvd N38°33.28' W121°27.35'	(916)734-3790	30	90	Level 1	<input checked="" type="checkbox"/>	<input checked="" 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 IWI and only for duration of the emergency. - Communications Unit will clear the Command channel for emergency traffic as needed for duration of the need.				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 _____			
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				All Emergencies - Secure the area and identified witnesses for later investigation. Keep accurate log of events.			
<input type="checkbox"/> Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.							
7. Prepared by (Medical Unit Leader): Steve McGary Leif Jullussen (t)				Signature: 			
8. Approved by (Safety Officer): Doug Ferro Brent Stangeland				Signature: 			
ICS 206		NIMS IAP		Date/Time: 8/23/20		1900	

FINANCE MESSAGE

**ALL RESOURCES ASSIGNED TO THE INCIDENT
WILL UTILIZE THEIR
ORIGINAL INCIDENT NUMBER & REQUEST NUMBER**

FIRES IN COMPLEX

- BTU LIGHTNING COMPLEX 2020 CABTU 009692
- 5-4 POTTERS CABTU 009702
- TGU BATT 4 LCA CATGU 008705
- IVORY CATGU 008913
- TGU BATT 3 LCA (ELKHORN) CATGU 008683

**PLEASE ENSURE ALL SHIFT TICKETS & FC-33's UTILIZE
THEIR CORRECT INCIDENT & REQUEST NUMBERS**



CAL-FIRE INCIDENT MANAGEMENT TEAM IV



24HR LINE RESOURCE - 2 OPERATOR

EMERGENCY SHIFT TICKET and EVALUATION FORM
The responsible Government Officer will complete this form each shift.

Incident or Project Name: MISSION
Request Number: E-444
Incident Number: CA-MMU-018115
Agreement Number: MMU-0000015953

Contractor Name: THE BEST DOZERS LLC
Operator #1: FIRST & LAST
Operator #2: FIRST & LAST
Operator Furnished By: Government

Equipment Make: 1999 PETERBILT 379
Equipment Model / Type: TRANSPORT 18 WHEEL
License Number: 12345A1
Serial Number: COMPLETE VIN#

Date	Mo / Day	Start	Stop	Work	Hours	Days / Miles
9/5	0701	2400	17			DIV X
9/6	0001	0700	7			DIV X

Vendor Rating: Poor* Avg. Good Exc. N/A

Met Performance Expectations: **VENDOR RATING MUST BE DONE**

Equipment in Safe Working Condition:

Operator Skill Level:

Operates Safely:

Operator's Cooperation Level:

Overall Performance:

* NOTE: any rating of POOR requires an explanation in Comment Section.
** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.

Govt. Rep. Name and Position - PRINT: CAL FIRE 287 (Rev 3-2011)

12HR LINE RESOURCE - 1 OPERATOR

EMERGENCY SHIFT TICKET and EVALUATION FORM
The responsible Government Officer will complete this form each shift.

Incident or Project Name: MISSION
Request Number: E-555
Incident Number: CA-MMU-018115
Agreement Number: MMU-0000015955

Contractor Name: THE BEST DOZERS LLC
Operator #1: FIRST & LAST
Operator #2: -
Operator Furnished By: Government

Equipment Make: 2004 CAT
Equipment Model / Type: D6N / TYPE II E
License Number: COMPLETE VIN#

Date	Mo / Day	Start	Stop	Work	Hours	Days / Miles
9/7	0001	0700	7			OFF SHIFT
9/7	0701	1900	12			DIV X
9/7	1901	2400	5			OFF SHIFT

Vendor Rating: Poor* Avg. Good Exc. N/A

Met Performance Expectations: **VENDOR RATING MUST BE DONE**

Equipment in Safe Working Condition:

Operator Skill Level:

Operates Safely:

Operator's Cooperation Level:

Overall Performance:

* NOTE: any rating of POOR requires an explanation in Comment Section.
** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.

Govt. Rep. Name and Position - PRINT: CAL FIRE 287 (Rev 3-2011)

24HR / 12HR TRANSITION SHIFT TICKET

EMERGENCY SHIFT TICKET and EVALUATION FORM
The responsible Government Officer will complete this form each shift.

Incident or Project Name: MISSION
Request Number: E-444
Incident Number: CA-MMU-018115
Agreement Number: MMU-0000015953

Contractor Name: THE BEST DOZERS LLC
Operator #1: FIRST & LAST
Operator #2: FIRST & LAST
Operator Furnished By: Government

Equipment Make: 1999 PETERBILT 379
Equipment Model / Type: TRANSPORT 18 WHEEL
License Number: 12345A1
Serial Number: COMPLETE VIN#

Date	Mo / Day	Start	Stop	Work	Hours	Days / Miles
9/6	0701	1900	12			DIV X
9/6	1901	2400	5			OFF SHIFT

Vendor Rating: Poor* Avg. Good Exc. N/A

Met Performance Expectations: **VENDOR RATING MUST BE DONE**

Equipment in Safe Working Condition:

Operator Skill Level:

Operates Safely:

Operator's Cooperation Level:

Overall Performance:

* NOTE: any rating of POOR requires an explanation in Comment Section.
** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.

Govt. Rep. Name and Position - PRINT: CAL FIRE 287 (Rev 3-2011)

24HR IN CAMP RESOURCE

EMERGENCY SHIFT TICKET and EVALUATION FORM
The responsible Government Officer will complete this form each shift.

Incident or Project Name: MISSION
Request Number: E-333
Incident Number: CA-MMU-018115
Agreement Number: MMU-0000015950

Contractor Name: THE BEST CAMP LLC
Operator #1: FIRST & LAST
Operator #2: -
Operator Furnished By: Government

Equipment Make: TENT
Equipment Model / Type: WESTERN SHELTER 19X35
License Number: -

Date	Mo / Day	Start	Stop	Work	Hours	Days / Miles
9/2	0001	2400	24			ICP

Vendor Rating: Poor* Avg. Good Exc. N/A

Met Performance Expectations: **VENDOR RATING MUST BE DONE**

Equipment in Safe Working Condition:

Operator Skill Level:

Operates Safely:

Operator's Cooperation Level:

Overall Performance:

* NOTE: any rating of POOR requires an explanation in Comment Section.
** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.

Govt. Rep. Name and Position - PRINT: CAL FIRE 287 (Rev 3-2011)



TEHAMA / GLENN LIGHTNING **COMPLEX INFORMATION SHEET**



Fire Information Line: **(530)529-9233**

Please scan the QR Below for CAL FIRE's Social Media Policy 0691.



INCIDENT MAIL

The PIO Trailer will receive mail/packages shipped to the Incident. Please ensure all mail addressed to the incident follows the format below:

(YOUR NAME, YOUR ORDER NUMBER)
C/O BTU/TGU LIGHTNING COMPLEX BASE CAMP
PUBLIC INFORMATION TRAILER
TEHAMA DISTRICT FAIRGROUNDS
650 ANTELOPE BLVD, RED BLUFF, CA 96080

LOST AND FOUND

Any items that are found, please bring them to the PIO Trailer located at the entrance to Base Camp and leave them with PIO staff. Please leave your name and contact information and description of lost items so we can attempt to reunite you with your items.



**BTU LIGHTNING COMPLEX
INCIDENT
CA-BTU-009692
REMOTE CHECK-IN**



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

REMEMBER: YOU MUST STILL VISIT TIME UNIT!



DMOB

BTU LIGHTNING COMPLEX INCIDENT CA-BTU-009692

- Resources must check-in prior to the Demobilization process.
- In order to be deemed excess, supervisors must submit an ICS 213 to the Resources Unit.
- Resources report to the Demobilization Unit at the times posted on the tentative DMOB list, which is posted around the Incident Base and to the Box account.
- Prior to reporting to DMOB, please return all supplies and equipment.
- Resources will get signatures from the following units:
 - Ground Support (Vehicle Inspection)
All rental vehicles MUST be inspected
 - Training (If they have a trainee)
 - Documentation
 - Time
 - DMOB
- The following will be done by radio at DMOB
 - Motels
 - Supply
 - Communications

TRAINING SPECIALIST MESSAGE

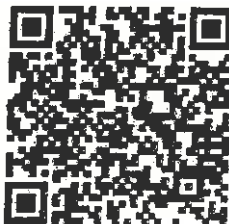
A Training Specialist is available for trainees on the incident.

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

FIRING OPERATION CHECKLIST

Location: _____

Date: _____ Time: _____

Firing Supervisor _____

1. Personnel Briefing

- Objectives
- Conditions (fire environment)
- Resource assignments identified
 - Firing personnel
 - Holding forces
 - Lookouts
- Ignition plan/sequence
- Communication Plan
- Contingency Plan
- Safety issues

2. Go / No-Go

- All personnel briefed
- Weather forecast reviewed
- Resources in place
- Lookouts posted as needed
- Anchor and termination firing points identified
- Communications systems in place
- Fire behavior forecast reviewed
- Escape routes and safety zones established and made known
- Adjoining forces/Air Attack notified

3. Approval Prior To Firing

- Division Supervisor
- Branch Director
- Operations

4. Other Notifications

- Other: _____
- Other: _____

Attach Firing Operations Checklist to ICS-214

Rev: Ops Group February 8, 2011

CAL FIRE

INCIDENT MANAGEMENT TEAM

WATER USAGE PLAN

California Drought Emergency

The following shall be considered and implemented by all fire resources as a means to provide maximum efficiencies when utilizing water resources, while minimizing the impacts to private and public water supplies. Accountability shall be maintained for all water supplies that are utilized and care should be applied to ensure proper replacement and/or reimbursement to the supplier/ owner.

Fireline personnel- (During mop up operations)

- Use of Pencil Hose and Garden Nozzles with Shut-Offs.
- Use of Back pumps.
- Dry Mop-up and consolidation of heavy fuels to areas where they can burn out safely
- Locate/ Relocate Firelines to lighter fuels or natural barriers when safe.
- Set up and use portable tanks in anticipation of longer transport times for Water Tenders.
- Use of foams, gels and other water enhancers.
- Evaluate need to mop up in excess of 200 feet from fireline

Road Maintenance and Repair-

- Monitor and water roads only when and where needed.
- Water when most effective (evening and nights).
- Use chemical treatments when available (Magchloride, Omni bind ect).
- Consider use of tertiary or treated water (sp)

Aviation Operations-

- Use of Gels, Foams and Retardants. Set up portable plants.
- Consider Blivits and Pencil hose for interior mop up operations as opposed to numerous bucket drops.
- Establish and use pre-use agreements for existing and known water sources.
- Use large watershed dip sites when able. Minimize use of small, static ponds and lakes.
- Maintain accountability of water used and locations of dip sites.
- Evaluate need for interior bucket drops

Private Water Supplies-

- Notify property owner as early as possible.
- Minimize usage and develop alternative water supplies when and where appropriate.
- Track usage (meter, 214 form) and develop a plan to replace water.
- Make arrangements for reimbursement and damage claims if needed.

Public/ Municipal Water Supplies-

- Notify Agency as soon as possible and request a representative to the incident.
- Identify fill areas and request metering devices. Place on incident map.
- Use alternative or reclaimed water sources when available. Place on incident map.
- Make arrangements for reimbursement and damage claims if needed.

Management and Supervision-

- Use leaders intent and establish Water Conservation as an Management Objective.
- Consider complexity of water use on incidents. Establish a Water Supply Group Supervisor to coordinate additional resources to support the incident needs.
- Complete the Water Usage Report daily and turn in to Finance
- Review this check list and brief daily.

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



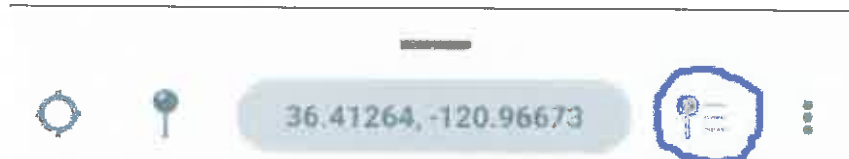
2. Select tracking (middle column).
3. Once a signal has been established ("Start" will be displayed for iOS, "Ready" will be displayed for Android), tap "Start" (iOS) or the Play icon (Android) to begin recording. Your tracks will continue recording, even if you minimize the app (set phone settings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



->



or

Edit



->

Export Layers



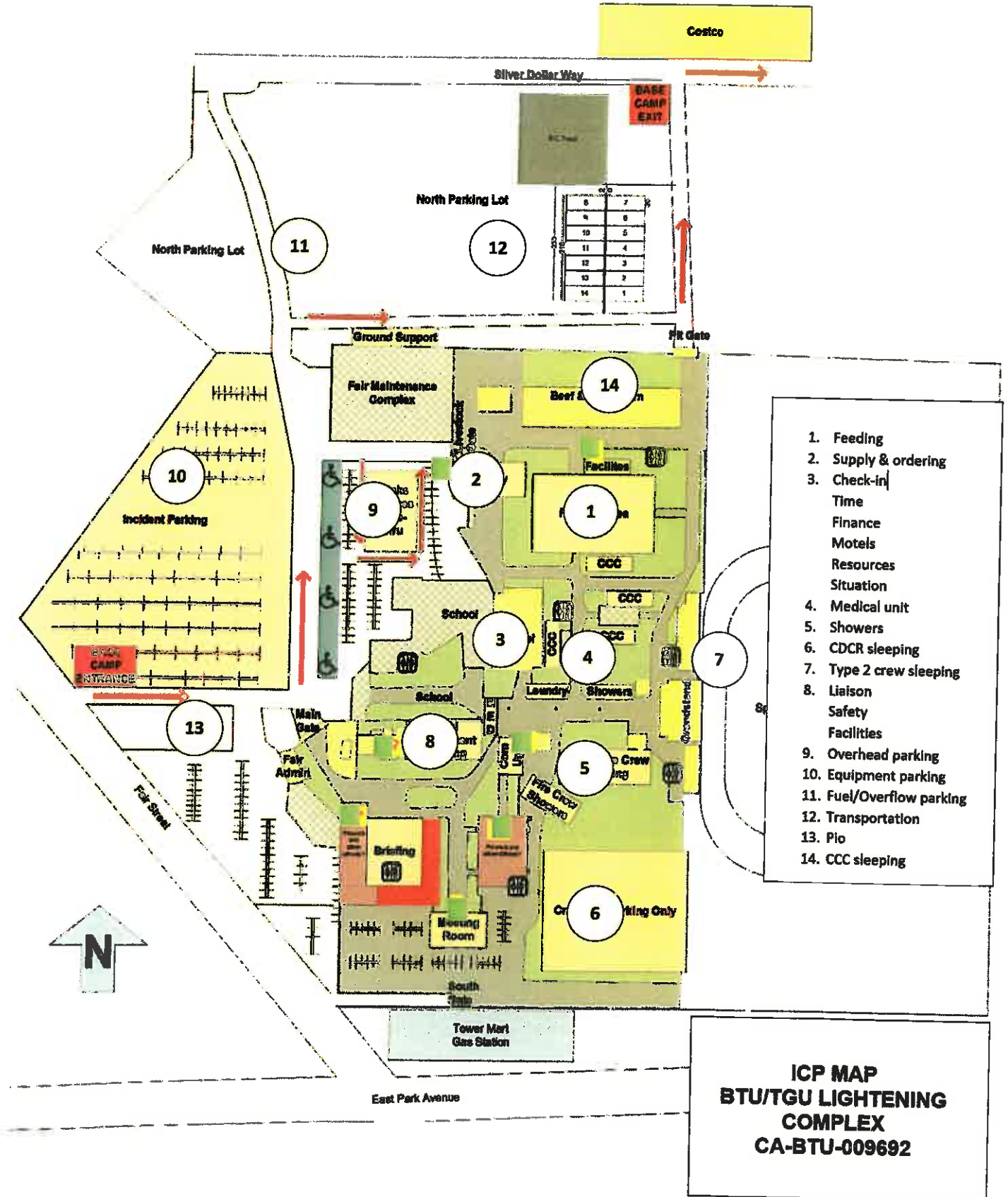
Import Layers



Email the .kml files to CalFireIMT4GIS@gmail.com

BASE CAMP

Silver Dollar Fairgrounds



Travel Map Butte North

BTU/TGU Lightning
Complex
CA-BTU-009692

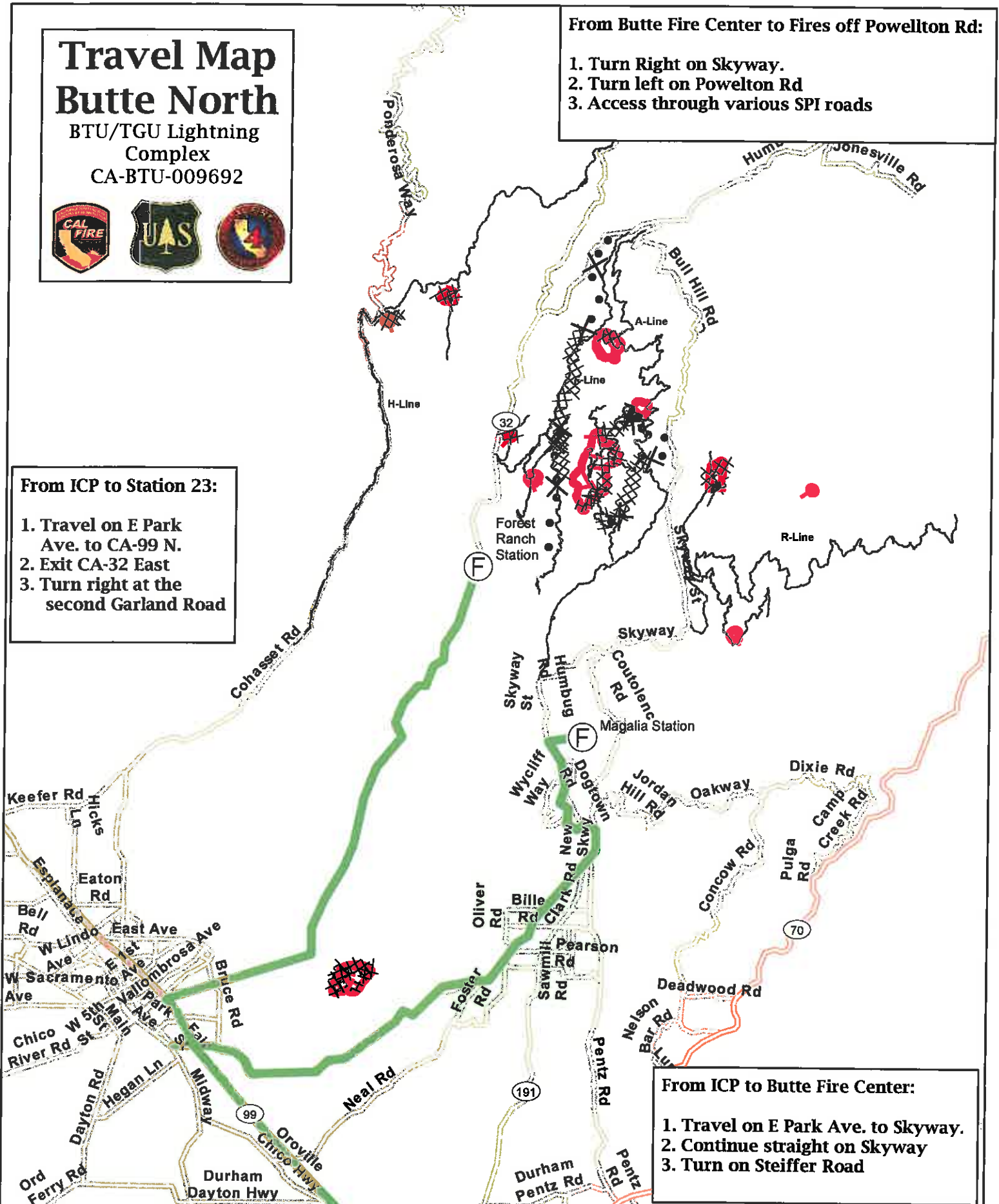


From Butte Fire Center to Fires off Powellton Rd:

1. Turn Right on Skyway.
2. Turn left on Powellton Rd
3. Access through various SPI roads

From ICP to Station 23:

1. Travel on E Park Ave. to CA-99 N.
2. Exit CA-32 East
3. Turn right at the second Garland Road



From ICP to Butte Fire Center:

1. Travel on E Park Ave. to Skyway.
2. Continue straight on Skyway
3. Turn on Steiffer Road

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

NAD83
Scale-1:235,000

Travel Map Butte South

BTU/TGU Lightning Complex
CA-BTU-009692



From Station 51 to 5-6:

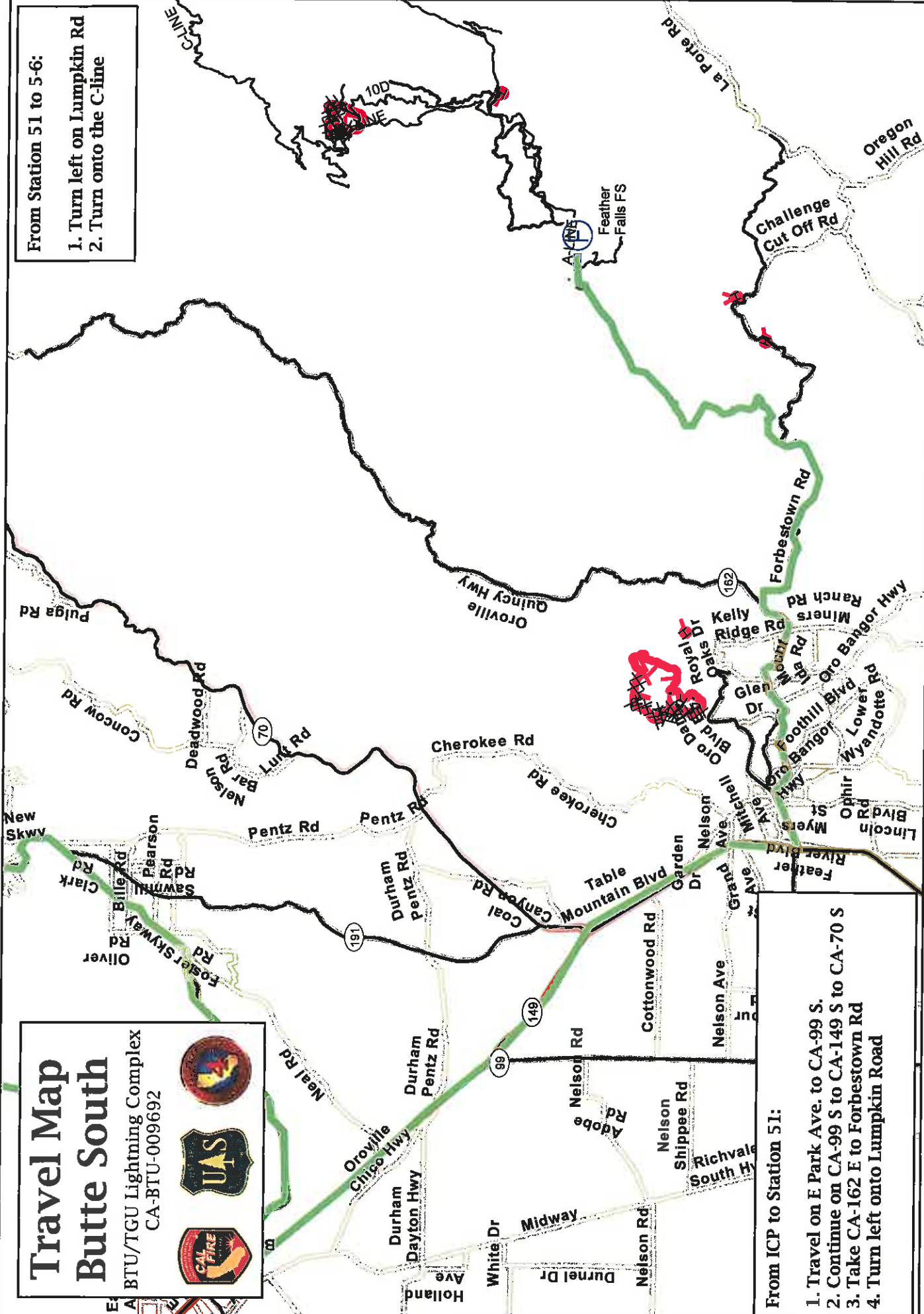
1. Turn left on Lumpkin Rd
2. Turn onto the C-line

From ICP to Station 51:

1. Travel on E Park Ave. to CA-99 S.
2. Continue on CA-99 S to CA-149 S to CA-70 S
3. Take CA-162 E to Forbestown Rd
4. Turn left onto Lumpkin Road

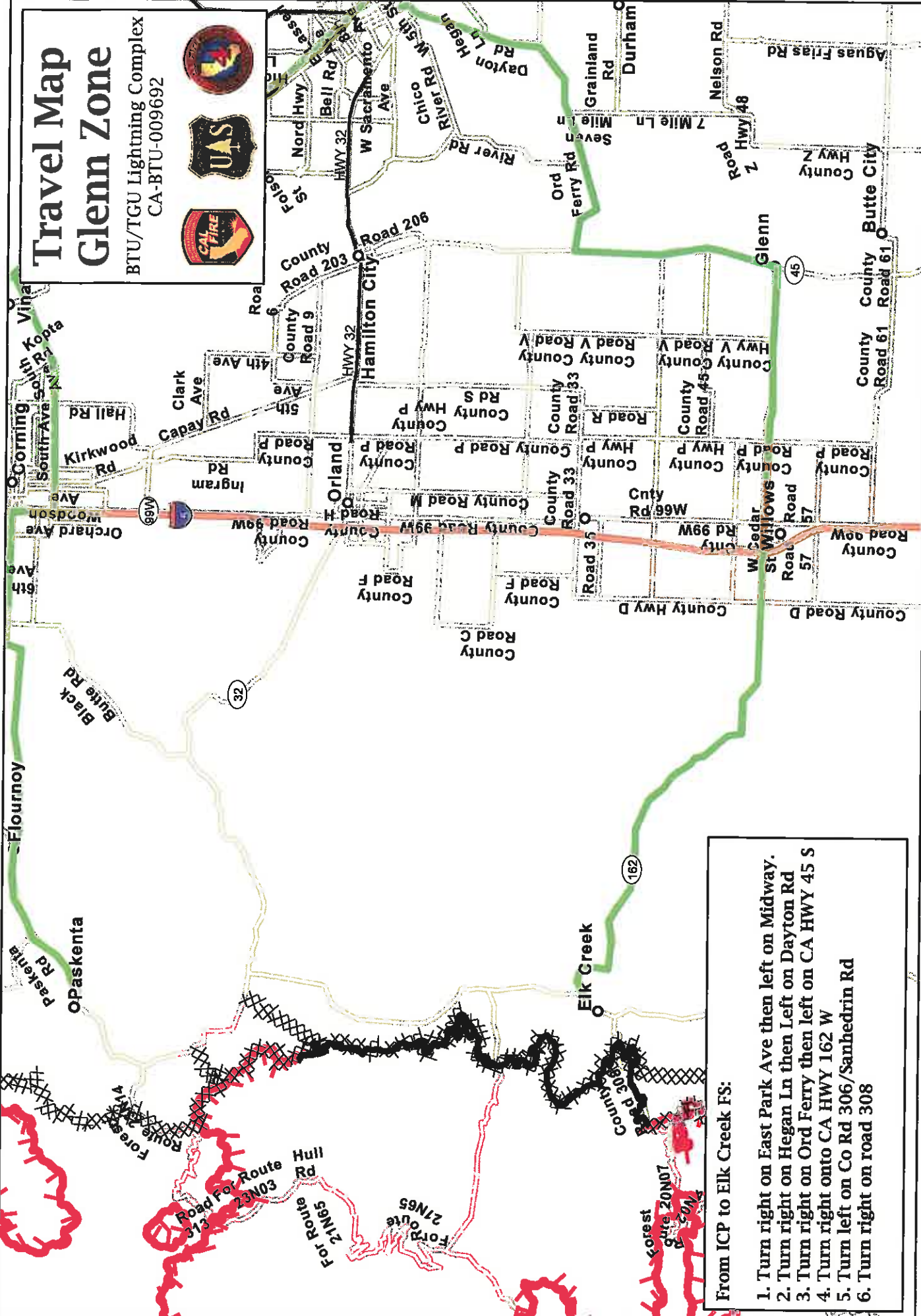
NAD83
Scale-1:230,000

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



Travel Map Glenn Zone

BTU/TGU Lighting Complex
CA-BTU-009692



- From ICP to Elk Creek FS:**
1. Turn right on East Park Ave then left on Midway.
 2. Turn right on Hegan Ln then Left on Dayton Rd
 3. Turn right on Ord Ferry then left on CA HWY 45 S
 4. Turn right onto CA HWY 162 W
 5. Turn left on Co Rd 306/Sanhedrin Rd
 6. Turn right on road 308

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

NAD83

Scale-1:300,000

Travel Map Tehama Zone

BTU/TGU Lighting Complex
CA-BTU-009692

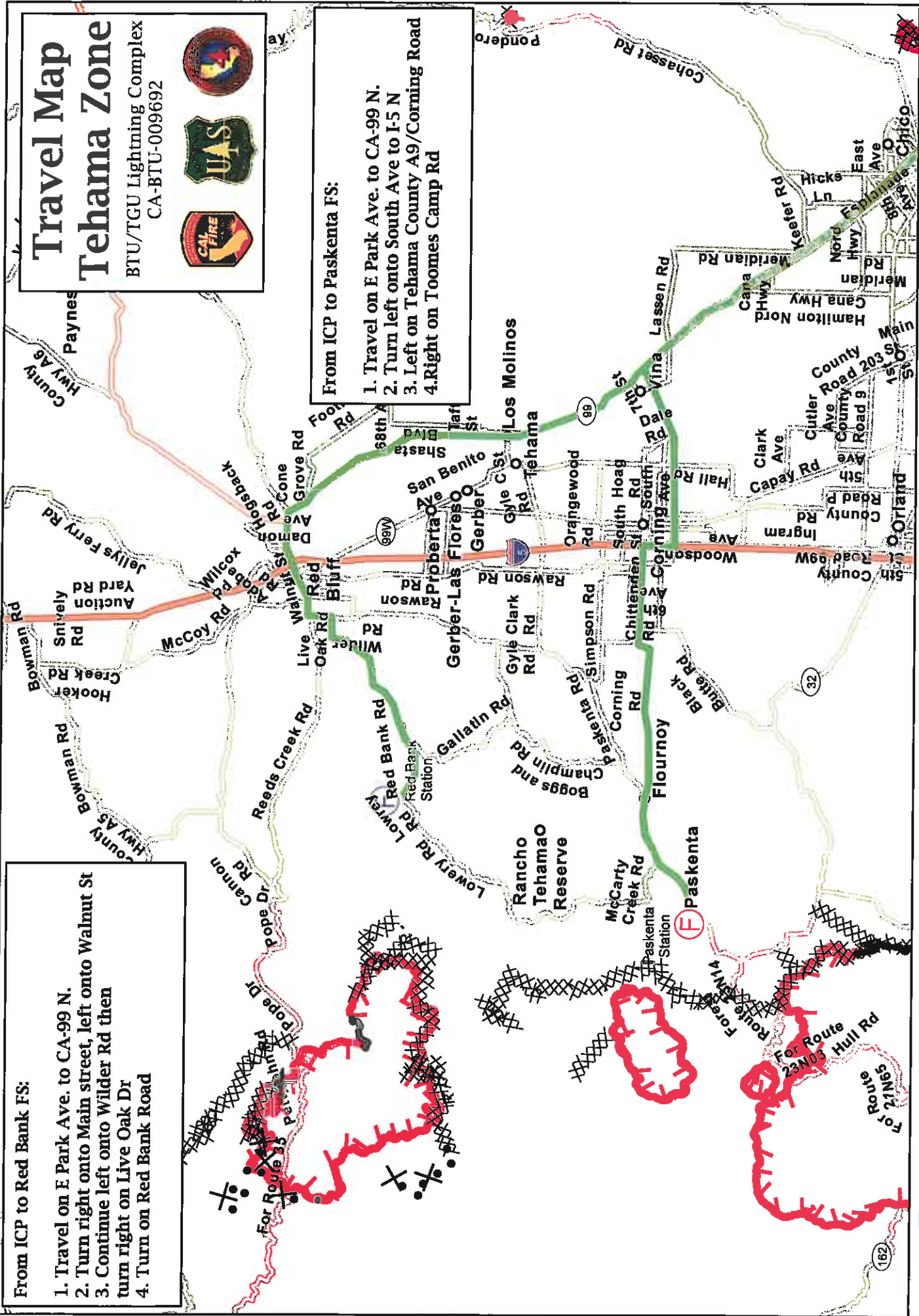


From ICP to Paskenta FS:

1. Travel on E Park Ave. to CA-99 N.
2. Turn left onto South Ave to I-5 N
3. Left on Tehama County A9/Corning Road
4. Right on Toomes Camp Rd

From ICP to Red Bank FS:

1. Travel on E Park Ave. to CA-99 N.
2. Turn right onto Main street, left onto Walnut St
3. Continue left onto Wilder Rd then turn right on Live Oak Dr
4. Turn on Red Bank Road



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

NAD83
Scale: 1:400,000

