



HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST:

- ☐ SAFETY BRIEF SIGN IN
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED
- ☐ WORK STOP AUTHORITY
- ☐ DESIGNATE A 911 CALLER
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION
- ☐ HELICOPTER LIFT LIMITATIONS
- ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- ☐ EFFECT OF ROTOR DOWN WASH ON LOAD

DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE

- ☐ HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
- ☐ PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
- ☐ PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS

PROCEDURES

- ☐ POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
- ☐ SITE PLAN /FLIGHT PATH
- ☐ FALL, PINCH, CRUSH DANGER POINTS
- ☐ RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
- ☐ PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
- ☐ STREET CLOSURE / EVACUATION USE DIAGRAM TO ENSURE ALL HOMES ARE CLEAR
- ☐ NO CELL PHONES OR CAMERA USED BY GROUND CREW



HELICOPTER HEC OPERATIONS SAFETY BRIEF CHECKLIST

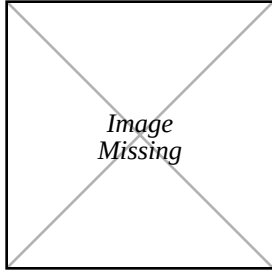
PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ CONDUCT STANDARD HELICOPTER LIFT SAFETY BRIEF PRIOR TO HEC SAFETY BRIEF
- ☐ HEC SAFETY BRIEF SIGN IN
- ☐ INITIAL HEC TRAINING VERIFIED ISSUE STICKER DISPLAYED ON HELMET
- ☐ WORK STOP AUTHORITY
- ☐ PPE REQUIREMENTS (HELMETS, EYEWEAR, GLOVES AND FOOTWEAR)
- ☐ HARNESS, FITMENT, CONDITION AND LOAD LIMIT
- ☐ PROPER USE OF ATTACHMENT EQUIPMENT (CARABINERS)
- ☐ BUDDY /SELF CHECK
- ☐ COMMUNICATIONS REQUIREMENTS VIA RADIO OR HEAD AND HAND SIGNALS (RADIO WILL BE TETHERED OR SECURED)
- ☐ NO EQUIPMENT WILL BE TRANSPORTED DURING HEC
- ☐ HEC SHORT HAUL OPERATIONS PLAN, DAILY MISSION
- ☐ INSERTION POINT AND AREA HAZARDS
- ☐ HEC ATTACH ZONE AND WAITING AREA
- ☐ EMERGENCY PROCEDURES; ENGINE FAILURE, TR FAILURE, HOOK FAILURE, LINE ENTANGLEMENT)
- ☐ NO CELL PHONE OR CAMERA USED DURING HEC

[illegible]

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone ☐ Fueling Operations: - Duties & Safety Issues	☐ Weather conditions ☐ Wind direction ☐ Fuel ☐ Gross weight ☐ Terrain ☐ Landing zone hazards ☐ Density altitude ☐ Noise abatement ☐ Congested area plan ☐ Traffic/crowd control CRM ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Sterile cockpit ☐ Flight following/radio procedures ☐ Possible tasks for crew, e.g., switch/tune radios, maps ☐ Hazard awareness, e.g., birds, other hazards ☐ STOP work policy ☐ Re-brief in case scope changes ☐ <u>IMSAFE Acronym</u> Pilot fatigue mitigation must be briefed prior to work	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signals ☐ Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt ☐ Steps on pole ☐ Remote hook operations ☐ Ground crew hook up procedures ☐ Static discharge ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Pole removal with potential snag issues must be discussed ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run/Play by play pole set Procedures ☐ Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only

22-02004 Request Summary



Requestor	Shelby D Eastom-Plum	Request Date	07/28/2022
LAN ID	SDE9	Work Type	Lift Work
Phone	(707) 564-5073	Lift Work Type	HEC -
Cell	(707) 564-5073	For Contractor	Non-Energized
LOB	Electric Transmission		Yes
	Tower		PAR
Vendor	Guardian Helicopters		

Work Dates

08/07/2022 - 08/11/2022 BELL 407

Approver

Superintendent Jeff T Painter (JTP8)

JTP8@pge.com

(C) (530) 906-4201

Scope of Work

SHASTA/TEHAMA/BUTTE COUNTY
ROUND MTN-TBL MTN #1
CAP- NIL
RQD NOTIFICATIONS- CIC TOWER

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

CONTACTS-
REQUESTOR- TARREN DAHLGREN 530-586-1594
FOREMAN- JAMES ALLAN 413-272-3955
PGE PM- JOSH VORHEES

SCOPE- HELICOPTER TO TRANSPORT WORKERS, TOOLS, AND MATERIALS TO VARIOUS
WL'S FOR TAG WORK AND INSULATOR CHANGE OUTS. MIDSPAN WORK TO BE
PERFORMED WITH AIR CHAIR.

LZ/WORK LOCATION INFORMATION-
LZ #1 & #8- OK, AT PGE SUBSTATION WITH NUMEROUS TRANSMISSION CIRCUITS IN
PROXIMITY. LZ #2-LZ #7- OK, LARGE DIRT FIELDS WITH TREES IN PROXIMITY. **LZ #5-
WITHIN 300 FT OF STREAM. PER REQUESTER, ALL LZ APPROVALS RECIEVED AND
WATER TRUCK WILL BE ON SITE.
ALL LZ'S DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 75 FEET DIAMETER

WL- OK, WITHIN PROXIMITY TO TREES AND TRANSMISSION CIRCUIT RUNNING
PARALLEL. SOME LZ-WL FLIGHTS WILL CROSS OVER ROADS.

REQUESTER TO ENSURE TRAFFIC MITIGATION IN PLACE, AS NEEDED

Daily Information

22-02004 Request Summary

08/07/2022

Asset Category: LIGHT
Asset Type: BELL 407
Locations

14:00 - LZ	POSITION LEG	<no lat/lon>	<no headquarters>
Dust/Snow Mitigation Plan:			---
Est. Use Hours	4.00	Vendor	Guardian Helicopters
Contract	PSPS 2 GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	HEC GEAR, AIR CHAIR	Billing Number	31548204 100%
Comments	---	Req. Notifications	---

22-02004 Request Summary

08/08/2022 - 08/11/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ #1- RND MTN SUB (ELEV 2150)	40 48.32'N 121 56.21'W	<no headquarters>	<no county>	
Dust/Snow Mitigation Plan:					---
--- - Work Location					
LZ #2- LAW DOG		40 42.20'N 121 57.05'W	<no headquarters>	<no county>	2421 ft
Dust/Snow Mitigation Plan:					---
--- - Work Location					
LZ #3- INWOOD RD		40 32.12'N 121 56.04'W	<no headquarters>	<no county>	2200 ft
Dust/Snow Mitigation Plan:					---
--- - Work Location					
LZ #4- LANES VALLEY RD		40 21.05'N 121 54.73'W	<no headquarters>	<no county>	1905 ft
Dust/Snow Mitigation Plan:					---
--- - Work Location					
LZ #5- LASSEN TRAIL		40 03.22'N 121 59.73'W	<no headquarters>	<no county>	510 ft
Dust/Snow Mitigation Plan:					---
--- - Work Location					
LZ #6- WELLS ISLAND		39 51.32'N 121 49.56'W	<no headquarters>	<no county>	535 ft
Dust/Snow Mitigation Plan:					---
--- - Work Location					
LZ #7- NEAL RD		39 41.12'N 121 42.82'W	<no headquarters>	<no county>	500 ft
Dust/Snow Mitigation Plan:					---
--- - Work Location					
LZ #8- TBL MTN SUB		40 48.32'N 121 56.21'W	<no headquarters>	<no county>	155 ft
Dust/Snow Mitigation Plan:					---
--- - Work Location					
50013 ROUND MTN-TABLE MTN #1 500 KV	40 46.78'N 121 55.93'W	Line #: 1/11	TABLEMTN	<no county>	
Dust/Snow Mitigation Plan:					---

22-02004 Request Summary

--- - Work Location

50013 ROUND MTN-TABLE MTN #1 500 KV 40 15.07'N Line #: 38/177 TABLEMTN <no county>
121 55.84'W

Dust/Snow Mitigation Plan: ---

--- - Work Location

50013 ROUND MTN-TABLE MTN #1 500 KV 39 34.11'N Line #: 87/356 TABLEMTN <no county> 200 ft
121 39.22'W

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS 2 GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	HEC GEAR, AIR CHAIR	Billing Number	31548204 100%
Comments	---	Req. Notifications	---

Talk About #	PAR 1	Talk Group	PAR 1	Talk Radio #	PAR 1
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22-02004 - August 2022

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

31	1	2	3	4	5	6
7 14:00 -18:00 BELL 407 POSITION LEG	8 08:00 -16:00 BELL 407 LZ #1- RND MTN SUB.. 40 48.32'N 121 56.21'W	9 08:00 -16:00 BELL 407 LZ #1- RND MTN SUB.. 40 48.32'N 121 56.21'W	10 08:00 -16:00 BELL 407 LZ #1- RND MTN SUB.. 40 48.32'N 121 56.21'W	11 08:00 -16:00 BELL 407 LZ #1- RND MTN SUB.. 40 48.32'N 121 56.21'W	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10



SECTION 7

Part 135 GH 4A Part 133 GH 4L
NON- Congested Area Plan

Operator: Guardian Helicopters, Inc
67 D STREET
Fillmore CA. 93015

Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: PG&E HEC AIRCHAIR CARGO WORK ORDER #:22-02004

ADDRESS: HWY 299, 44, 36, 32, 99, 149 CITY: REDDING STATE: CA

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: TARREN DAHLGREN PHONE#: **530-586-1594**

CONTACT FORMAN: JAMES ALLAN PHONE#: **413-272-3955**

PILOT'S NAME(S)

- | | |
|-------------------|-----------------|
| 1. MICHAEL KLINK | CERT#: 3018828 |
| 2. BUCKEY MACKAY | CERT #: 2778051 |
| 3. IAN GOODALE | CERT#: 3741973 |
| 4. ROSS GOULET | CERT#: 3396777 |
| 5. TREVOR NEEDHAM | CERT#: 3597668 |

TYPE OF AIRCRAFT:

BELL 407 N# N407GH A/C CATEGORY: STANDARD

BELL 407 N# N111GH A/C CATEGORY: STANDARD

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: **HEC CARGO AIR CHAIR** LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐

AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) (YES) **XXX LESS 200 FT** (LENGTH)

OPERATIONAL ALTITUDE: < 250 AGL STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
8-7-2022 THRU	SUNRISE	SUNSET	8-3-2022
8-11-2022	SUNRISE	SUNSET	8-3-2022
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
REDDING FIRE DEPARTMENT	530-225-4200	DISPATCH	NOTIFIED
REDDING POLICE DEPARTMENT	530-225-4141	DISPATCH	NOTIFIED

Evacuation

☒ No Evacuated Structures

☐ Evacuated Structures

Crowd Control

☒ Operator

☒ Contractor

Street Closure

☒ Yes ☐ No

☒ Contractor

☐ Operator



Part 135 GH 4A Part 133 GH 4L
NON-Congested Area Plan

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
REMOTE NO EVACUATION	VACANT DURING OPS	HAND DELIVER

Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

SITE INSPECTION NOTES

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA.

DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED.

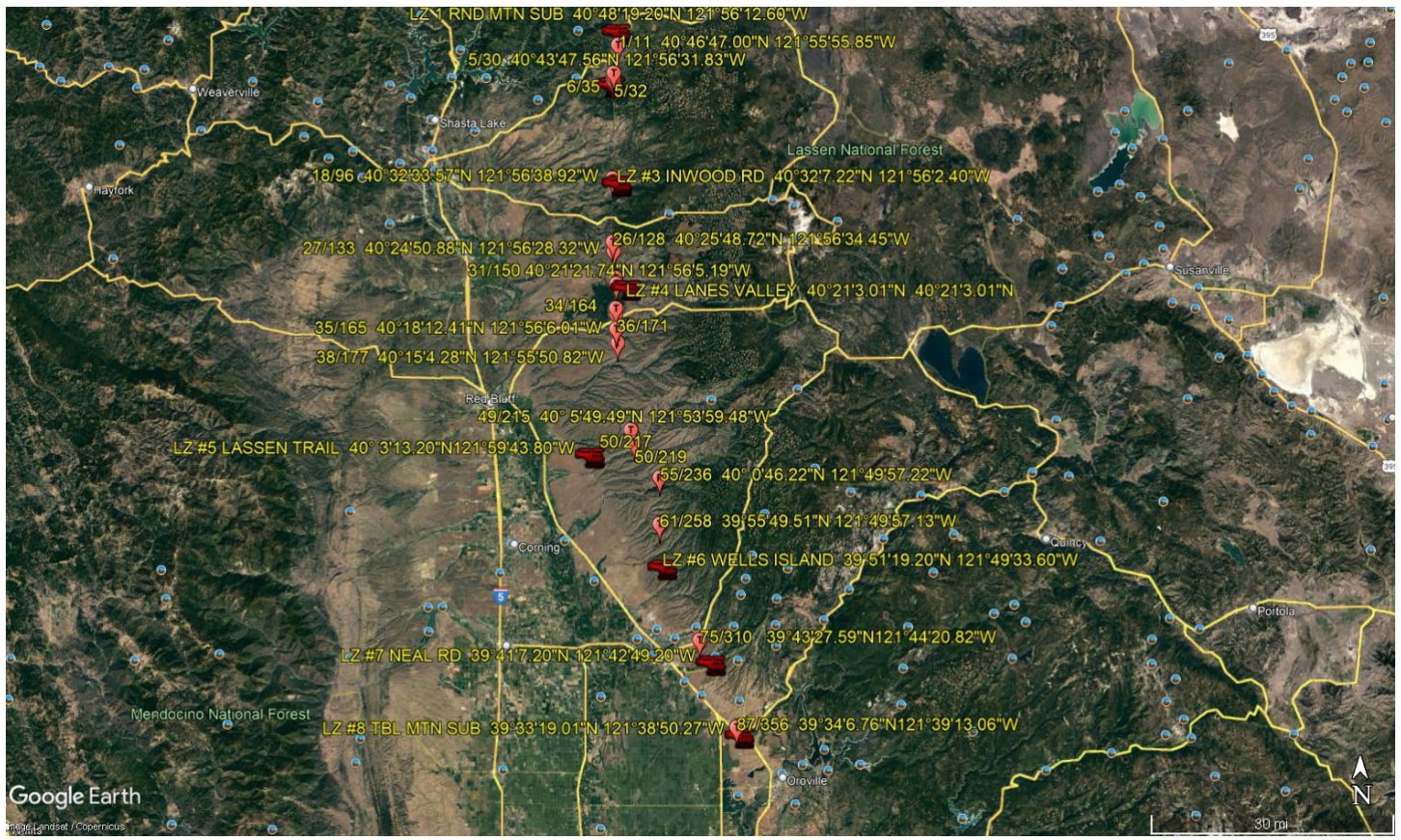
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

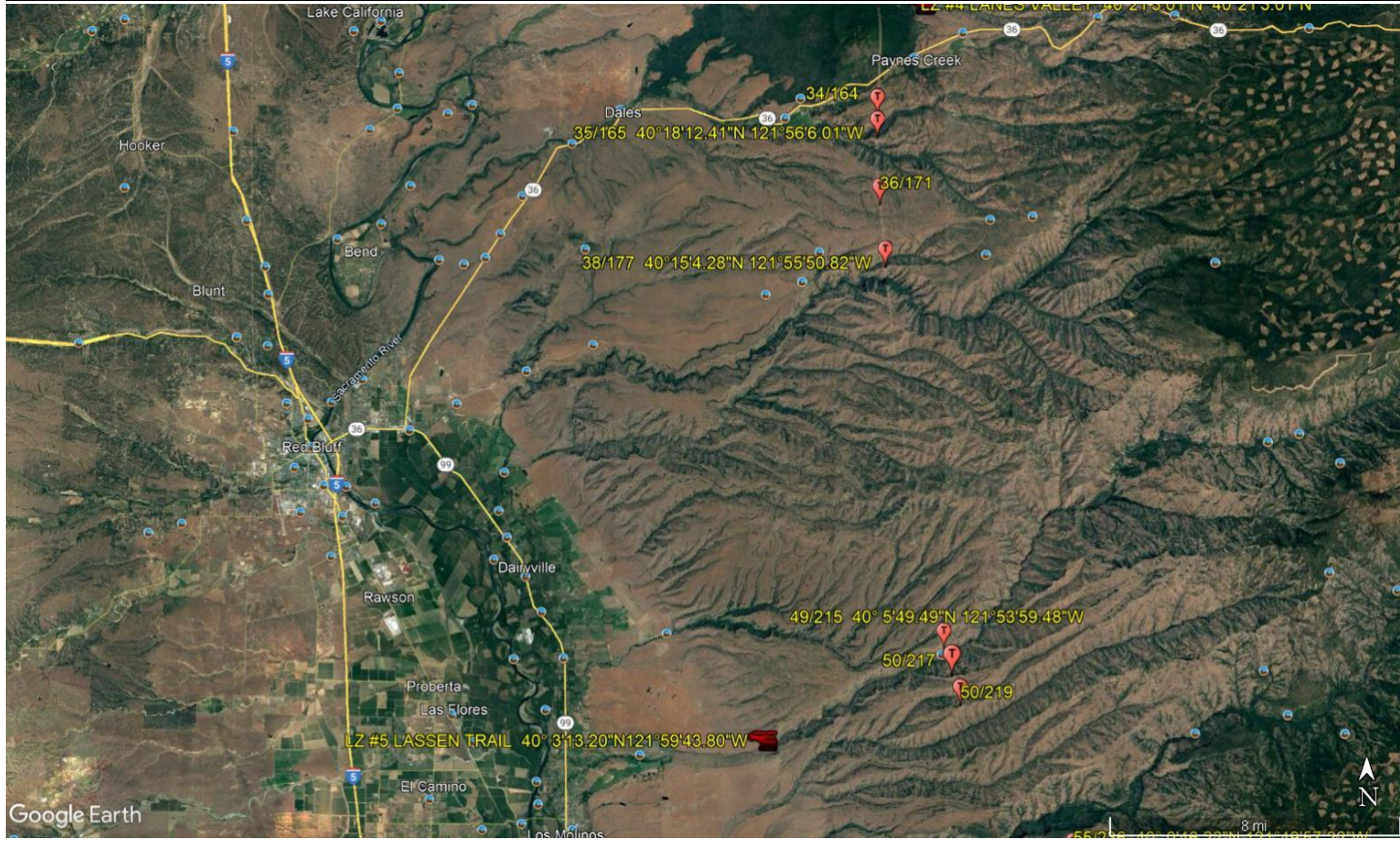
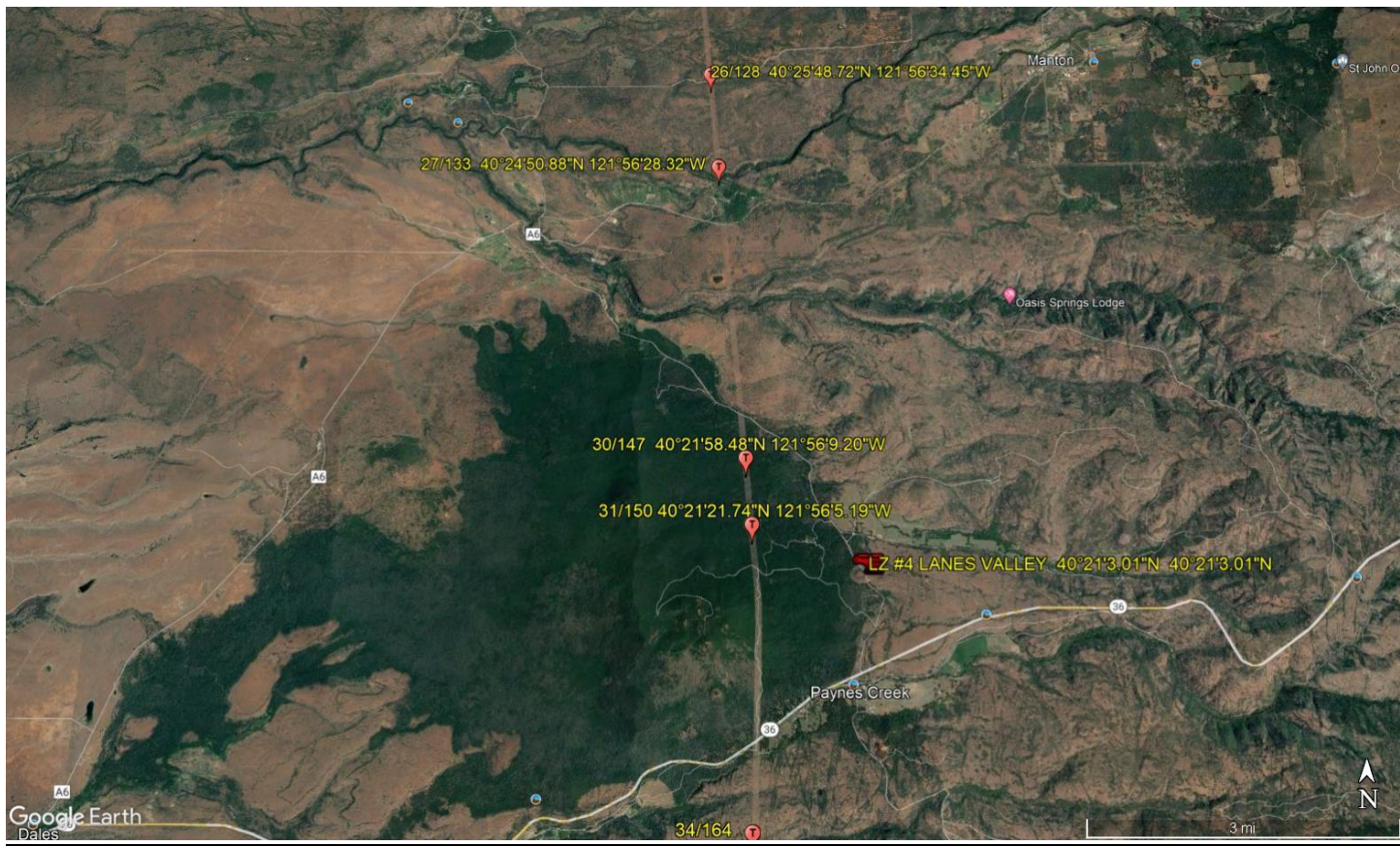
1. HELICOPTER WILL LAND AT THE LZ STAGING AREA TO CONDUCT A TAILBOARD AND HEC TRAINING
2. WATER TRUCK REQUIRED AT LZ STAGING AREA
3. VARIOUS ROADS WILL EXPERIENCE INTERMITTANT ROAD CLOSURES
4. REMOTE AREA NO EVACUATIONS

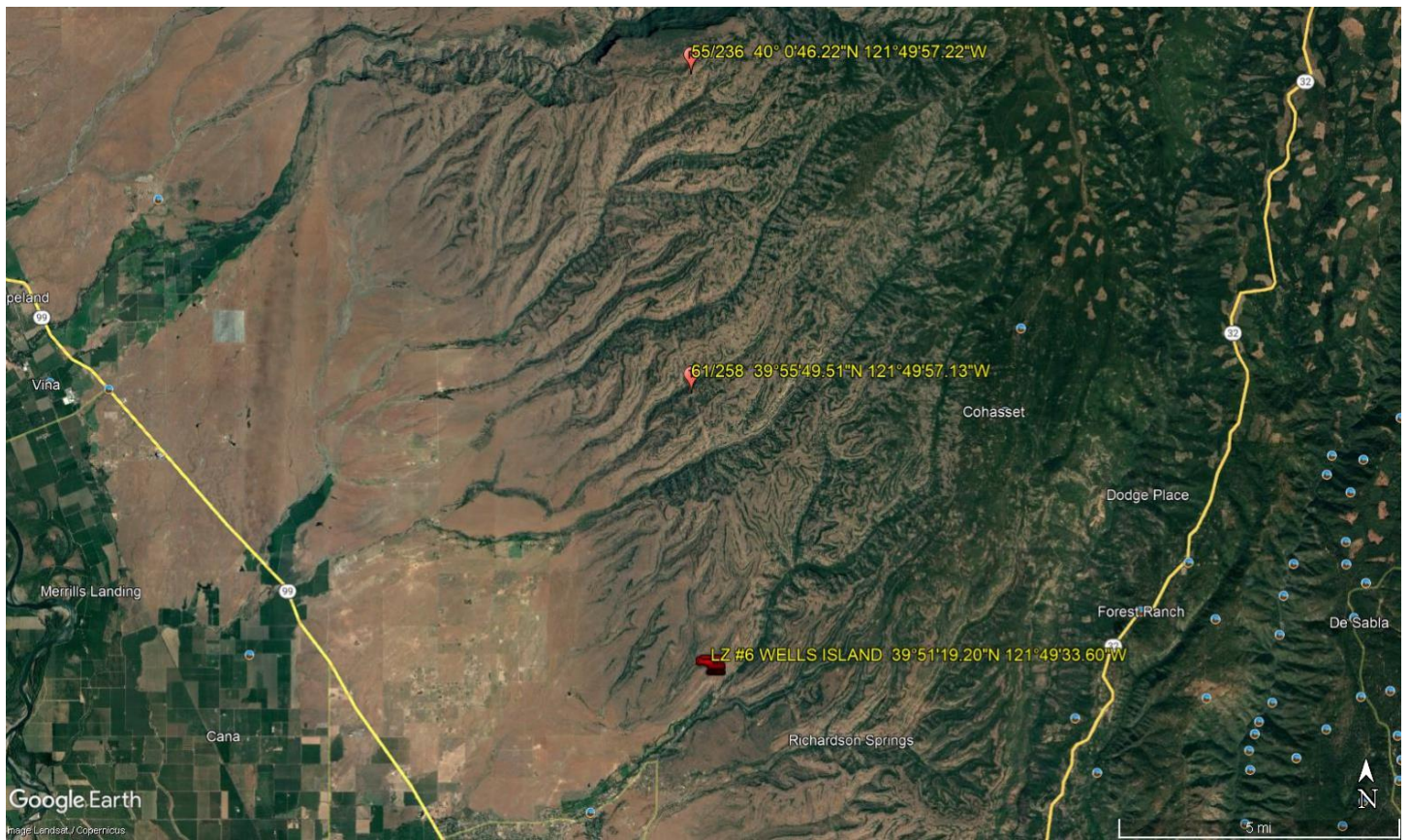
LEGEND

SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH		
LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UB)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	











8-3-2022

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator