



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

22-01720 Request Summary (Guardian Helicopters)



Requestor	Jacob Stykel	Request Date	07/07/2022
LAN ID	je10	Work Type	Lift Work
Phone	(530) 902-9467	Lift Work Type	HEC -
Cell	(530) 902-9467		Non-Energized
LOB	Electric Transmission	For Contractor	No
	Tower		
Vendor	Guardian Helicopters		

Work Dates

07/18/2022 - 07/22/2022 BELL 407

Approver	Superintendent Larry B Barton (Lbb4)	LBB4@pge.com	(C) (559) 231-1328
Foreman	Jason C Williams (jcwp)	(P) (530) 513-2693	(C) (530) 513-2693

Scope of Work

PLUMAS/BUTTE COUNTY
CARIBOU-TABLE MTN 230KV CIRCUIT
CAP- NIL
DISPATCH NOTIFICATIONS- PLUMAS NF/RODGER FLAT HYDRO

USFS/NATIONAL PARK TERRITORY- PLUMAS NF
NOTIFICATIONS MADE- IN PROCESS

SCOPE- TO HEC, TO LIFT TOOLS AND MATERIALS TO PERFORM MAINTENANCE FOR
HFTD TAGS

LZ/WORK LOCATION INFORMATION

LZ- DEER CREEK LZ OK ON A DIRT AREA, SOME TREES CLOSE IN PROXIMITY
RODGERS FLAT LZ OK ON A DIRT AREA, LESS THAN 300 FROM PGE SERVICE CENTER,
WILL NEED TO BE NOTIFIED AND/OR EVACUATED
RIM ROAD LZ OK ON A DIRT AREA, TREES CLOSE IN PROXIMITY
ALL LZ'S APPROVED FOR A TYPE 3 AIRCRAFT | DIAMETER VERIFIED 75 FEET

WL- OK ON A SLOPED TERRAIN WITH MULTIPLE LINES AND TREES IN VACINITY. SOME
WL LESS THAN 300 FEET FROM A ROAD.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IN PLACE

Daily Information

07/18/2022 - 07/22/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

09:00 - LZ	digger creek camp ground LZ	40 04.22'N 121 10.02'W	<no headquarters>	<no county>
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22-01720 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan:

Surface will have water applied prior to landing.

--- - Work Location

20013 CARIBOU-TABLE MTN(START) 40 05.07'N Line #: 7/57 TABLEMTN <no county> 3300 ft
121 09.18'W

Dust/Snow Mitigation Plan:

Other

Dust/Snow Mitigation Plan Explained:

Not landing here

--- - Work Location

20013 CARIBOU-TABLE MTN(END) 40 00.67'N Line #: 14/109 TABLEMTN <no county> 2616 ft
121 13.84'W

Dust/Snow Mitigation Plan:

Other

Dust/Snow Mitigation Plan Explained:

Not landing here

--- - Work Location

Rogers Flat LZ 39 57.70'N Line #: Landing Zone <no headquarters> <no county> 2000 ft
121 16.68'W

Dust/Snow Mitigation Plan:

Surface will have water applied prior to landing.

--- - Work Location

20013 CARIBOU-TABLE MTN(START) 40 00.39'N Line #: 16/119 TABLEMTN <no county> 2600 ft
121 15.41'W

Dust/Snow Mitigation Plan:

Other

Dust/Snow Mitigation Plan Explained:

not landing here

--- - Work Location

20013 CARIBOU-TABLE MTN(END) 39 56.53'N Line #: 22/155 TABLEMTN <no county> 2300 ft
121 18.55'W

Dust/Snow Mitigation Plan:

Other

Dust/Snow Mitigation Plan Explained:

Not landing here

--- - Work Location

20135 ROCK CREEK-POE 230 KV 39 59.75'N Line #: :1/12 TABLEMTN <no county> 2600 ft
121 16.63'W

Dust/Snow Mitigation Plan:

Other

Dust/Snow Mitigation Plan Explained:

Not landing here

--- - Work Location

20135 ROCK CREEK-POE 230 KV 39 54.21'N Line #: 0/9 TABLEMTN <no county> 2400 ft
121 21.48'W

Dust/Snow Mitigation Plan:

Other

Dust/Snow Mitigation Plan Explained:

Not landing here

--- - Work Location

Rim Road LZ 39 48.46'N <no headquarters> <no county> 3000 ft
121 28.80'W

Dust/Snow Mitigation Plan:

Surface will have water applied prior to landing.

--- - Work Location

22-01720 Request Summary (Guardian Helicopters)

20013 CARIBOU-TABLE MTN 39 48.80'N Line #: 34/255 TABLEMTN <no county> 2668 ft
121 27.37'W

Dust/Snow Mitigation Plan: Other
Dust/Snow Mitigation Plan Explained: not landing here

--- - Work Location

20135 ROCK CREEK-POE 230 39 52.46'N Line #: 3/27 TABLEMTN <no county> 2400 ft
KV(START) 121 22.69'W

Dust/Snow Mitigation Plan: Other
Dust/Snow Mitigation Plan Explained: will not be landing here

--- - Work Location

20135 ROCK CREEK-POE 230 KV(END) 39 45.58'N Line #: 13/093 TABLEMTN <no county> 1760 ft
121 28.22'W

Dust/Snow Mitigation Plan: Other
Dust/Snow Mitigation Plan Explained: not landing here

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	---	Billing Number	45195623 20%
Comments	Caribou Table mountain		45159363 20%
	7/57 7/58 8/61 11/88A 13/101		45160937 20%
	14/109 from digger creek LZ		45160933 20%
	16/119 16/120 16/123 17/125		45160932 20%
	19/133 22/155 rogers flat LZ	Req. Notifications	---
	34/255 Rim rd LZ		
	Rock Creek Poe		
	0/8 0/9 :1/12 :7/55 :7/57 :9/70		
	rogers flat LZ		
	3/27 5/41 6/46 6/47 8/60 10/75		
	11/79 12/86 13/93 Rim Rd LZ.		

Talk About # 107 **Talk Group** 107 **Talk Radio #** 107
CC Recipients BMJ9@pge.com;JUCY@pge.com

22-01720 (Guardian Helicopters) - July 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18 09:00 -17:00 BELL 407 digger creek camp 40 04.22'N 121 10.02'W	19 09:00 -17:00 BELL 407 digger creek camp 40 04.22'N 121 10.02'W	20 09:00 -17:00 BELL 407 digger creek camp 40 04.22'N 121 10.02'W	21 09:00 -17:00 BELL 407 digger creek camp 40 04.22'N 121 10.02'W	22 09:00 -17:00 BELL 407 digger creek camp 40 04.22'N 121 10.02'W	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6



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 CARGO WORK ORDER #:22-01720

ADDRESS: HWY 70 CITY: BUTTE VALLEY STATE: CA

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: LARRY BARTON PHONE#: **559-231-1328**

CONTACT FORMAN: JASON WILLIAMS PHONE#: **530-513-2693**

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** 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: (N0) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
7-18-2022 THRU 7-22-2022	SUNRISE	SUNSET	7-1-2022
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
QUENCY FIRE DEPARTMENT	530-283-0870	DISPATCH	NOTIFIED
PLUMAS COUNTY FIRE DEPARTMENT	530-283-6375	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.

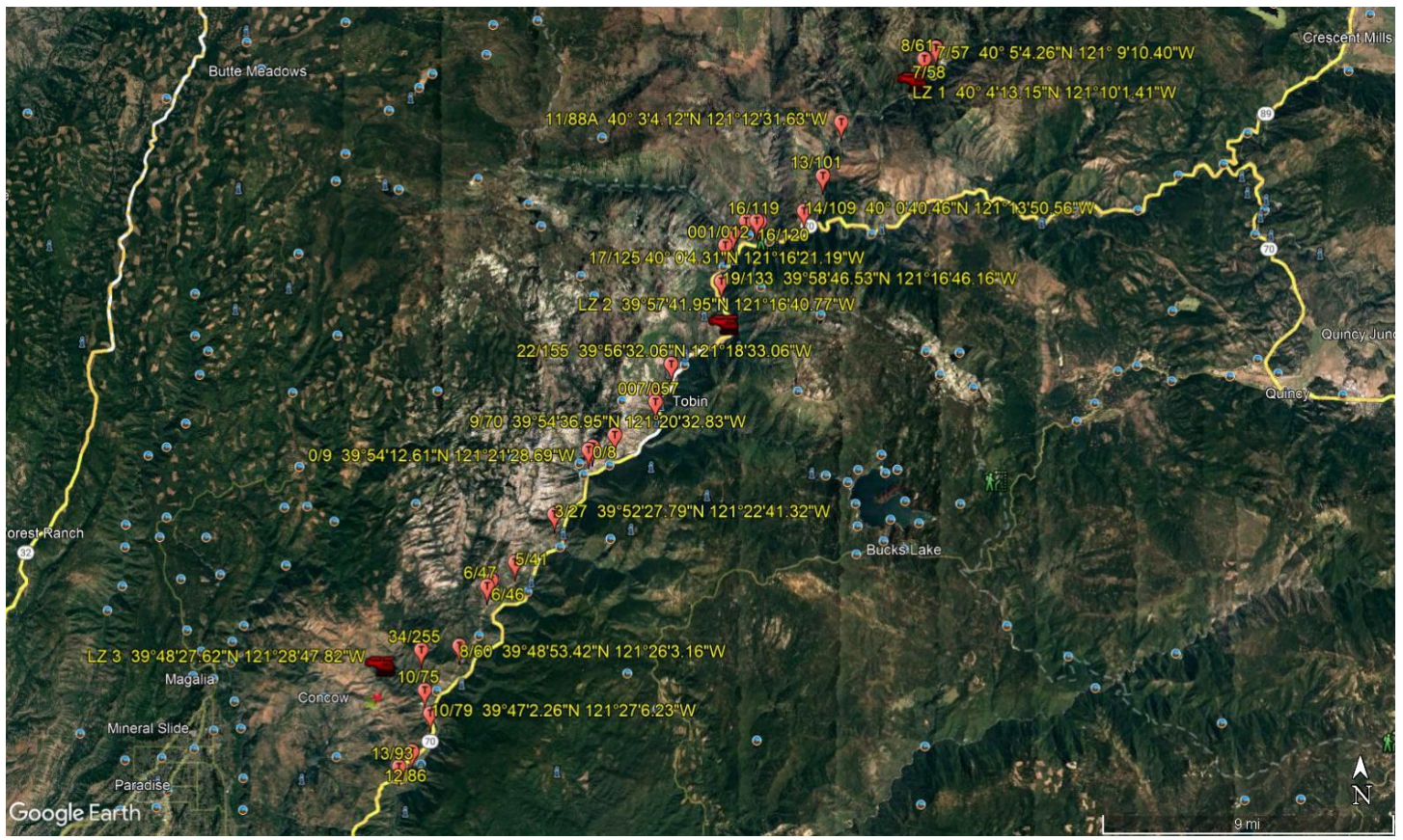
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

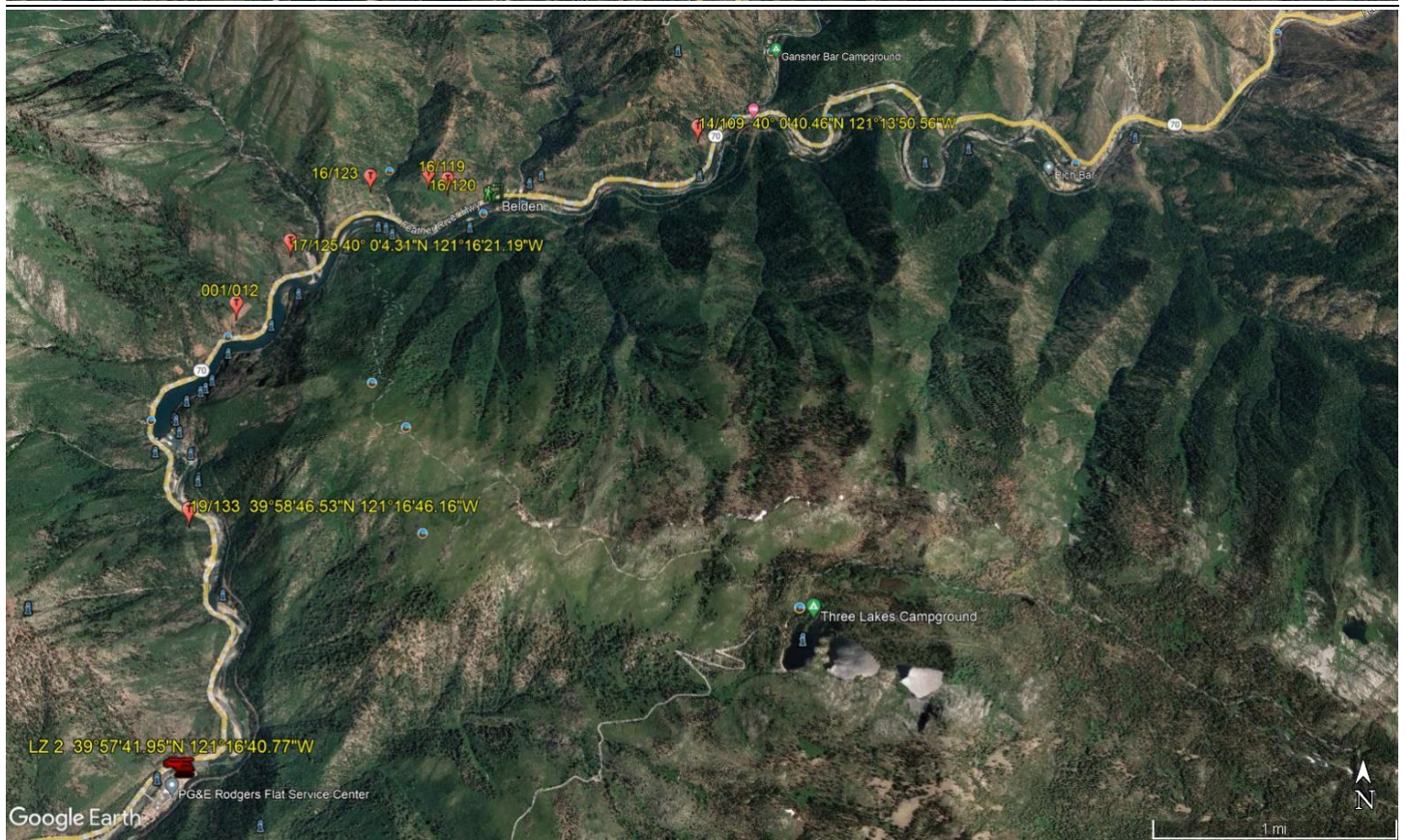
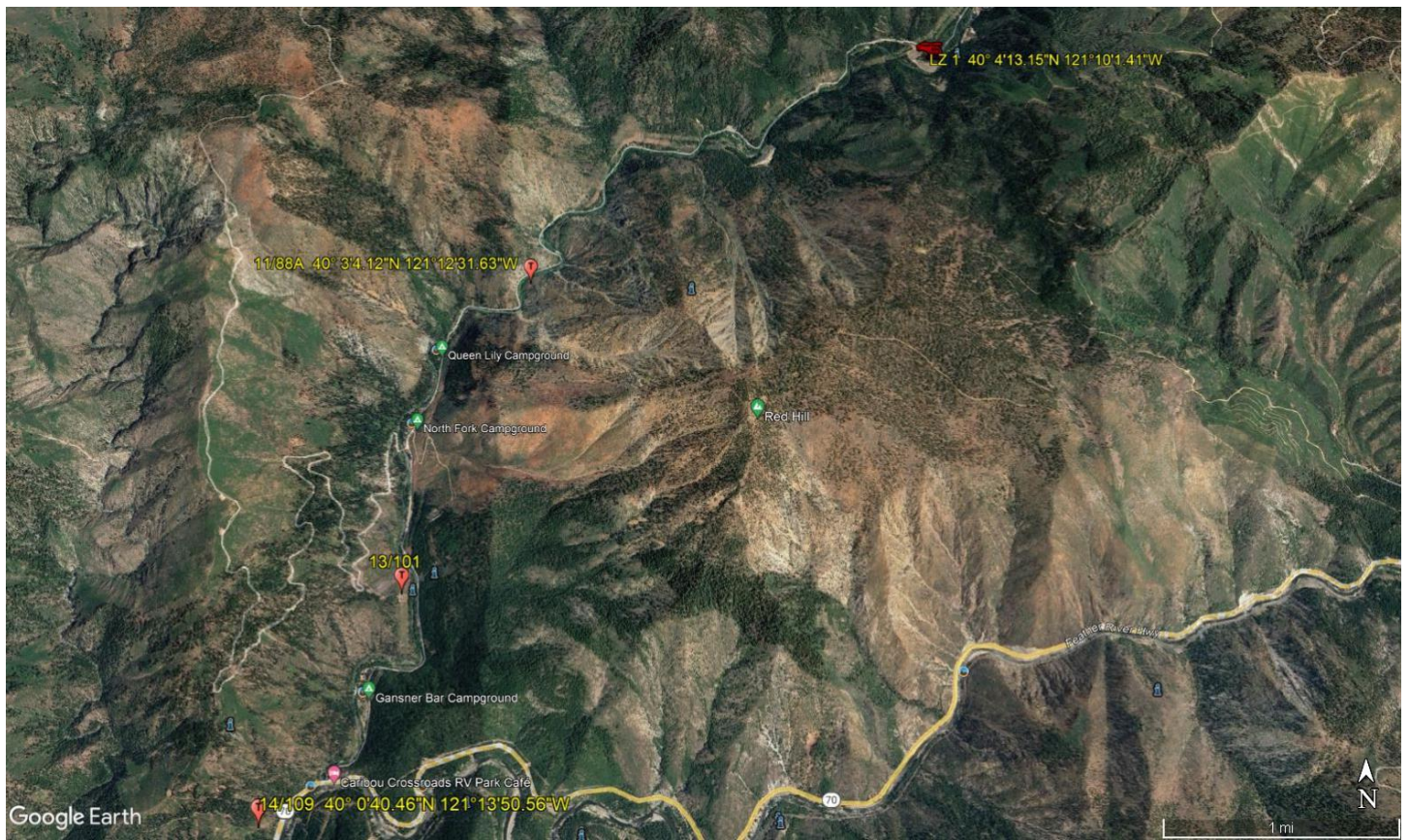
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

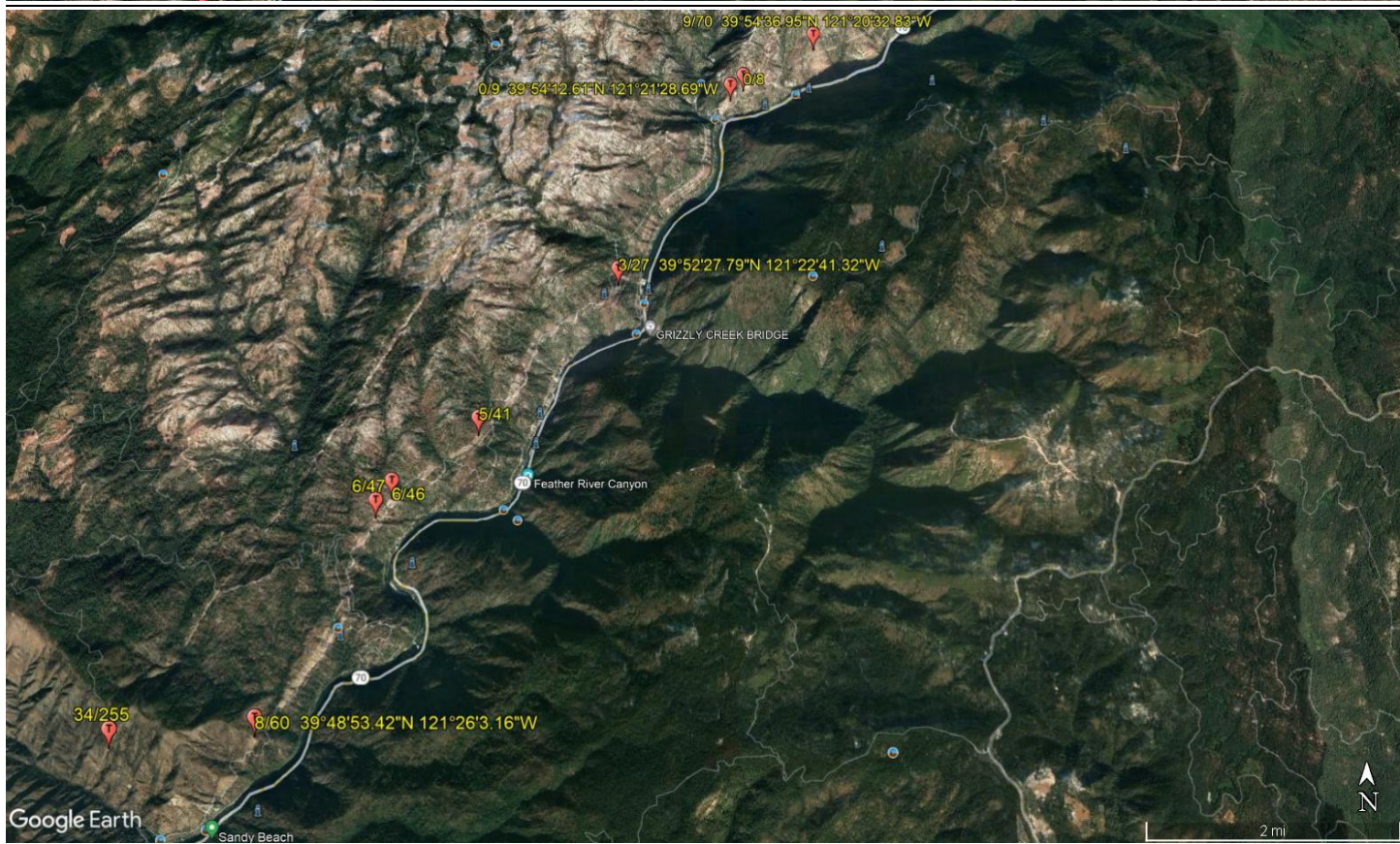
1. HELICOPTER WILL LAND AT THE LZ STAGING AREA TO CONDUCT A TAILBOARD AND HEC TRAINING
2. WATER TRUCK REQUIRED AT LZ STAGING AREA
3. REMOTE ROAD PILOT WILL CROSS WHEN CLEAR
4. REMOTE AREA NO EVACUATIONS

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)	









7/7/2022

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator