



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

22-01752 Request Summary (Guardian Helicopters)



Requestor	Robyn Stephan	Request Date	07/11/2022
LAN ID	RT12	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	HEC -
Cell	(707) 365-7760		Non-Energized
LOB	Electric GC Distribution	For Contractor	Yes
Vendor	Guardian Helicopters		SUMMIT

Work Dates

07/25/2022 - 07/26/2022 BELL 407

Approver

Superintendent James D Hunter (JDHF)

JDHf@pge.com

(C) (559) 903-3893

Scope of Work

MARIPOSA/MADERA COUNTY
MARIPOSA 2101 21KV
CAP- NIL
RQD NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

CONTACTS- SUMMIT
REQUESTOR- DAVID DYAS 385-250-6982
FOREMAN- LOREN YOUNG 435-300-6163
PGE PM- WALEEP BURRELL(W1BX) & JIM HUNTER (JDHF)

SCOPE- HELICOPTER TO TRANSPORT 2500 LB ROCK BAGS, MATERIALS, TOOLS, AND POLE TO WL FOR POLE SET. FRAMED WOOD 45 FT, CL 4- APPROX 1400 POUNDS. (PAIRED WITH MEDIUM SHIP 1753)

LZ/WORK LOCATION INFORMATION-
LZ- OK, WITHIN 300 FT OF HOME AND ROAD WITH TREES IN PROXIMITY. PER REQUESTER, WATER TRUCK WILL BE ON SITE, HOME NOTIFICATIONS WILL BE MADE
LZ DIAMETER VERIFIED FOR TYPE 2 AND TYPE 3 AIRCRAFT | DIAMETER VERIFIED 75 FEET AND 100 FEET

WL- OK, WITHIN TERRIAN WITH TREES.

****REQUESTER TO ENSURE TRAFFIC MITIGATION IN PLACE AS NEEDED****

Daily Information

07/25/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

07:30 - LZ

POSITION LEG ONLY

<no lat/lon>

<no headquarters>

22-01752 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	HEC Gear	Billing Number	35267853-5300 100%
Comments	---	Req. Notifications	---

22-01752 Request Summary (Guardian Helicopters)

07/26/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

07:30 - LZ	LZ	37 21.64'N 119 49.67'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: ---

--- - Work Location

MARIPOSA 2101 21KV	37 22.37'N 119 49.92'W	Line #: 101068684	YOSEMITE	<no county>	1650 ft
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Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	HEC Gear	Billing Number	35267853-5300 100%
Comments	---	Req. Notifications	---

Talk About #	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A	Talk Group	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A	Talk Radio #	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A
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22-01752 (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	19	20	21	22	23
24	25 07:30 -15:30 BELL 407 POSITION LEG ONLY	26 07:30 -15:30 BELL 407 LZ 37 21.64’N 119 49.67’W	27	28	29	30
31	1	2	3	4	5	6

22-01753 Request Summary (Guardian Helicopters)



Requestor	Robyn Stephan	Request Date	07/11/2022
LAN ID	RT12	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	Cargo
Cell	(707) 365-7760	For Contractor	Yes
LOB	Electric GC Distribution		SUMMIT
Vendor	Guardian Helicopters		

Work Dates

07/25/2022 - 07/26/2022 UH-1H

Approver Supervisor James D Hunter (JDHF) JDHf@pge.com (C) (559) 903-3893

Scope of Work

MARIPOSA/MADERA COUNTY
MARIPOSA 2101 21KV
CAP- NIL
RQD NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

CONTACTS- SUMMIT
REQUESTOR- DAVID DYAS 385-250-6982
FOREMAN- LOREN YOUNG 435-300-6163
PGE PM- WALEEP BURRELL(W1BX) & JIM HUNTER (JDHF)

SCOPE- HELICOPTER TO TRANSPORT 2500 LB ROCK BAGS, MATERIALS, TOOLS, AND POLE TO WL FOR POLE SET. FRAMED WOOD 45 FT, CL 4- APPROX 1400 POUNDS. (PAIRED WITH LIGHT SHIP 1752)

LZ/WORK LOCATION INFORMATION-
LZ- OK, WITHIN 300 FT OF HOME AND ROAD WITH TREES IN PROXIMITY. PER REQUESTER, WATER TRUCK WILL BE ON SITE, HOME NOTIFICATIONS WILL BE MADE
LZ DIAMETER VERIFIED FOR TYPE 2 AND TYPE 3 AIRCRAFT | DIAMETER VERIFIED 75 FEET AND 100 FEET

WL- OK, WITHIN TERRIAN WITH TREES.

****REQUESTER TO ENSURE TRAFFIC MITIGATION IN PLACE AS NEEDED****

Daily Information

07/25/2022

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

07:00 - LZ	POSITION LEG	<no lat/lon>	<no headquarters>
Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Undergrounding	No	Fuel Truck	Yes
Project		Special Equipment	---

22-01753 Request Summary (Guardian Helicopters)

Cargo Weight	2500.0 lbs	Comments	---
Billing Number	35267853-5300 100%		
Req. Notifications	---		

22-01753 Request Summary (Guardian Helicopters)

07/26/2022

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

07:00 - LZ	LZ	37 21.64'N 119 49.67'W	<no headquarters>	<no county>
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--- - Work Location

MARIPOSA 2101 21KV	37 22.37'N 119 49.92'W	Line #: 101068684	YOSEMITE	<no county>	1650 ft
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Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Undergrounding	No	Fuel Truck	Yes
Project		Special Equipment	---
Cargo Weight	2500.0 lbs	Comments	---
Billing Number	35267853-5300 100%		
Req. Notifications	---		

Talk About #	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A	Talk Group	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A	Talk Radio #	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A
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22-01753 (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	19	20	21	22	23
24	25 07:00 -15:00 UH-1H POSITION LEG	26 07:00 -15:00 UH-1H LZ 37 21.64’N 119 49.67’W	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 POLE SET WORK ORDER #: 22-01752 22-01753

ADDRESS: BAILEY FLAT RD CITY: MARIPOSA STATE: CA

LZ 37°21'37.72"N 119°49'40.54"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: DAVID DYAS PHONE#: 385-250-6982

CONTACT FORMAN: LOREN YOUNG PHONE#: 435-300-6163

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 UH-1H N# N777GH A/C CATEGORY: RESTRICTED
BELL 407 N# N407GH A/C CATEGORY: STANDARD
BELL 407 N# N447GH A/C CATEGORY: STANDARD
BELL 407 N# N999GH A/C CATEGORY: STANDARD
BELL 407 N# N111GH A/C CATEGORY: STANDARD
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
BELL 205A1 N# N211GH A/C CATEGORY: STANDARD
AS350 B2 N# N498PT A/C CATEGORY: STANDARD
AS350BA N# N55TV 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: 2500 LBS ROCK BAGS 45 CL 4 1400LBS POLE 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
7-25-2022 7-26-2022	SUNRISE	SUNSET	7/18/2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
MARIPOSA COUNTY FIRE DEPARTMENT	209-966-4330	DISPATCH	NOTIFIED
MARIPOSA COUNTY SHERIFF	209-966-3615	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.

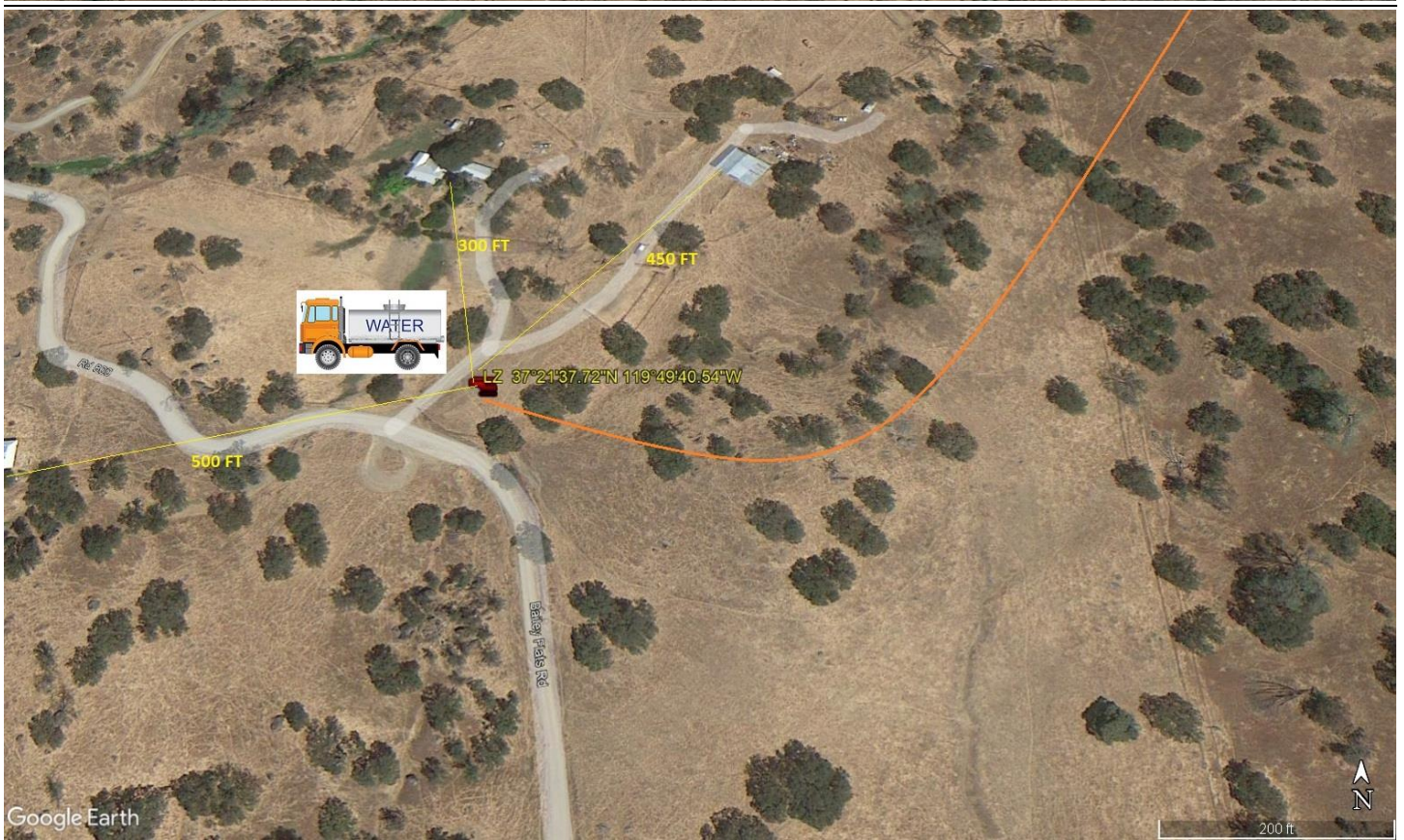
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

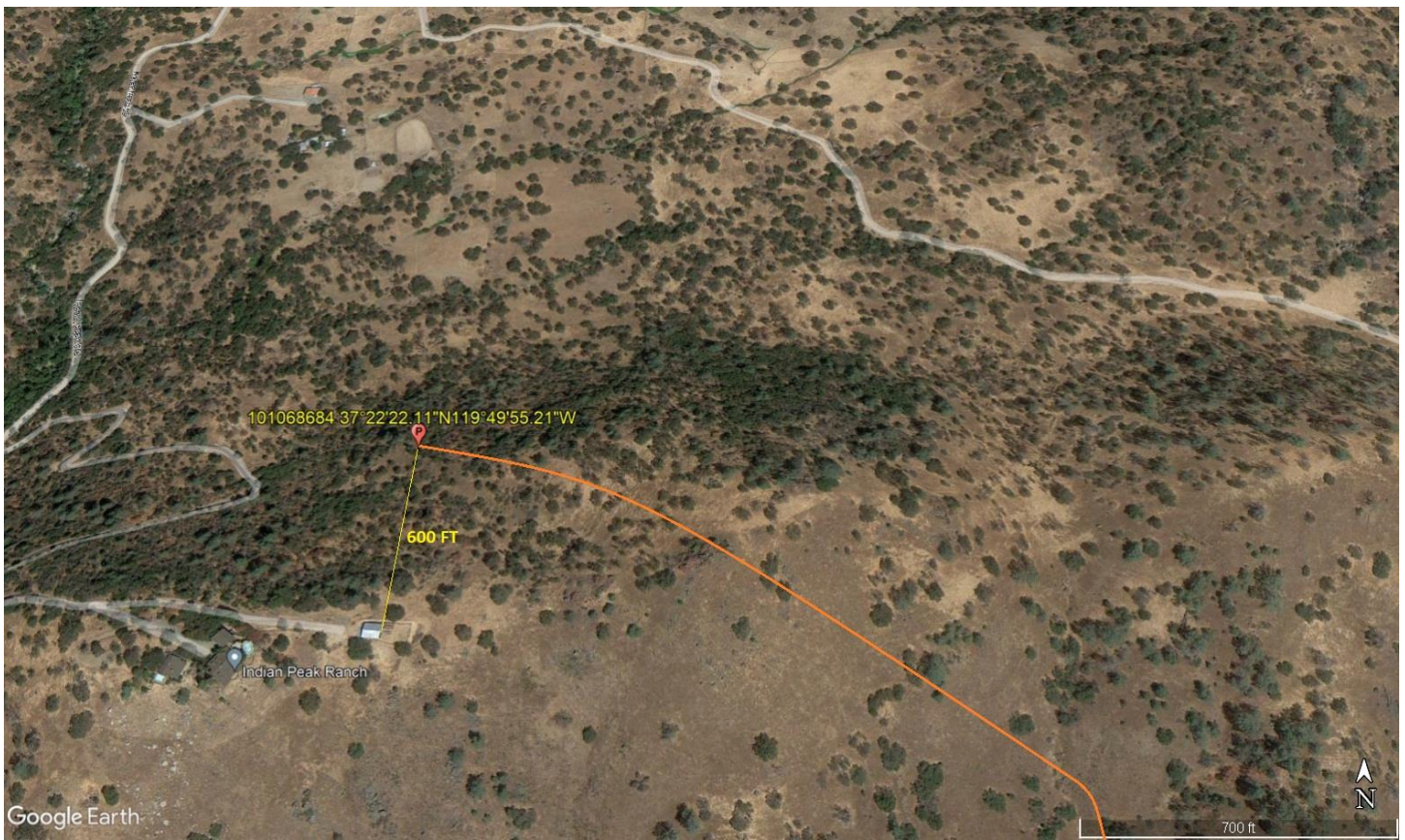
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

1. BOTH 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 AREA NO STREET CLOSURES
4. REMOTE AREA NO EVACUATIONS HOMES GREATER 300 FT

LEGEND

<u>SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH</u>		
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)	





7-18-2022

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator