

GUARDIAN

HELICOPTERS, INC.

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

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

- ☐ SAFETY BRIEF SIGN IN *PGE 21-02289 N4476H
21-02288 N7776H*
- ☐ GHI CREW INTRODUCTION *Non-CAP*
- ☐ IS A TRANSLATOR REQUIRED *HEC pole set 75 ft LDSP 3200LBS*
- ☐ WORK STOP AUTHORITY *1250 Elevation*
- ☐ DESIGNATE A 911 CALLER *9-28-2021
9-29-2021*
- ☐ 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

Pilot:**Location:****Mission:****Aircraft:**[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

Pilot:

Support Crew:

Location:

Mission:

Aircraft:[illegible]

Pilot:
Support Crew:
Location:
Mission:
Aircraft:

[illegible]

21-02288 Request Summary (Guardian Helicopters)



Requestor	Amber L Robinson	Request Date	09/17/2021
LAN ID	ALRI	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	Cargo
Cell	(707) 761-6047	For Contractor	Yes
LOB	Electric GC		SUMMIT LINE
	Transmission Line		CONSTRUCTIO
Vendor	Guardian Helicopters		N

Work Dates

09/28/2021 - 09/29/2021 UH-1H

Approver Supervisor Mason C Albert (MCAJ) MCAJ@pge.com (C) (707) 328-1240

Scope of Work LAKE/ NAPA COUNTY
FULTON-CALISTOGA
CAP- NIL
DISPATCH NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
APPROVAL RECEIVED- NIL

THIRD PARTY CONTACTS-
REQUESTOR- OSCAR SULAIMAN: 619.733.5765
FOREMAN- PAT BLASI: 620.388.4474
PGE PM- JON IRVINE (J112): 361.793.4406

SCOPE- REPLACING FIVE POLES AT INACCESSIBLE LOCATIONS. HEAVIEST POLE IS 75'
H1LDSP AT MAX 3200LBS.

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS. LZ APPROVAL RECEIVED.
LZ DIAMETER VERIFIED FOR TYPE 2 AND 3 AIRCRAFT- 175 FEET DIAMETER

WORK LOCATION(S)- OK, NOTE TREES WITHIN CLOSE PROXIMITY AND HILL TERRAIN.

**HEC ON REQUEST 21-02289
DUST/ TRAFFIC MITIGATION TO BE PROVIDED BY CONTRACTOR/PG&E.

Daily Information

09/28/2021 - 09/29/2021

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

07:30 - LZ	LZ	38 42.21'N 122 36.22'W	<no headquarters>	<no county>	1300 ft
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21-02288 Request Summary (Guardian Helicopters)

--- - Work Location

60082 FULTON-CALISTOGA	38 40.50'N 122 35.30'W	Line #: 006/004	LAKEVILLE	<no county>	1690 ft
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--- - Work Location

60082 FULTON-CALISTOGA	38 41.67'N 122 35.83'W	Line #: 007/006	LAKEVILLE	<no county>	1412 ft
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--- - Work Location

60082 FULTON-CALISTOGA	38 43.39'N 122 36.41'W	Line #: 009/007	LAKEVILLE	<no county>	1494 ft
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--- - Work Location

60082 FULTON-CALISTOGA	38 43.53'N 122 36.43'W	Line #: 009/009	LAKEVILLE	<no county>	1509 ft
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--- - Work Location

60082 FULTON-CALISTOGA	38 39.28'N 122 35.33'W	Line #: 004/010	LAKEVILLE	<no county>	2481 ft
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Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	3200.0 lbs
Special Equipment	---	Billing Number	31545892 100%
Comments	---	Req. Notifications	TBD

Talk About #	CHANNEL 2 RX-TX 464.5 TONE 131.8	Talk Group	CHANNEL 2 RX-TX 464.5 TONE 131.8	Talk Radio #	CHANNEL 2 RX-TX 464.5 TONE 131.8
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21-02288 (Guardian Helicopters) - September 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	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
26	27	28 07:30 -15:30 UH-1H LZ 38 42.21'N 122 36.22'W	29 07:30 -15:30 UH-1H LZ 38 42.21'N 122 36.22'W	30	1	2
3	4	5	6	7	8	9
10						

21-02289 Request Summary (Guardian Helicopters)



Requestor	Amber L Robinson	Request Date	09/17/2021
LAN ID	ALRI	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	HEC -
Cell	(707) 761-6047		Non-Energized
LOB	Electric GC	For Contractor	Yes
	Transmission Line		SUMMIT LINE
Vendor	Guardian Helicopters		CONSTRUCTIO
			N

Work Dates

09/28/2021 - 09/29/2021 BELL 407

Approver Superintendent Mason C Albert (MCAJ) MCAJ@pge.com (C) (707) 328-1240

Scope of Work LAKE/ NAPA COUNTY
FULTON-CALISTOGA
CAP- NIL
DISPATCH NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
APPROVAL RECEIVED- NIL

THIRD PARTY CONTACTS-
REQUESTOR- OSCAR SULAIMAN: 619.733.5765
FOREMAN- PAT BLASI: 620.388.4474
PGE PM- JON IRVINE (J112): 361.793.4406

SCOPE- HEC FOR REPLACING FIVE POLES AT INACCESSIBLE LOCATIONS. FLYING MEN
TOOLS AND MATERIALS.

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS. LZ APPROVAL RECEIVED.
LZ DIAMETER VERIFIED FOR TYPE 2 AND 3 AIRCRAFT- 175 FEET DIAMETER

WORK LOCATION(S)- OK, NOTE TREES WITHIN CLOSE PROXIMITY AND HILL TERRAIN.

**HUEY ON REQUEST 21-02288

Daily Information

09/28/2021 - 09/29/2021

Asset Category: LIGHT

Asset Type: BELL 407

Locations

07:30 - LZ	LZ	38 42.23'N 122 36.23'W	<no headquarters>	<no county>
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21-02289 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan: ---

--- - Work Location

60082 FULTON-CALISTOGA 38 40.50'N Line #: 006/004 LAKEVILLE <no county> 1690 ft
122 35.30'W

Dust/Snow Mitigation Plan: ---

--- - Work Location

60082 FULTON-CALISTOGA 38 41.67'N Line #: 007/006 LAKEVILLE <no county> 1412 ft
122 35.83'W

Dust/Snow Mitigation Plan: ---

--- - Work Location

60082 FULTON-CALISTOGA 38 43.39'N Line #: 009/007 <no headquarters> <no county> 1494 ft
122 36.41'W

Dust/Snow Mitigation Plan: ---

--- - Work Location

60082 FULTON-CALISTOGA 38 43.53'N Line #: 009/009 LAKEVILLE <no county> 1509 ft
122 36.43'W

Dust/Snow Mitigation Plan: ---

--- - Work Location

60082 FULTON-CALISTOGA 38 39.28'N Line #: 004/010 <no headquarters> <no county> 2481 ft
122 35.33'W

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	1000.0 lbs
Special Equipment	HEC Gear	Billing Number	31545892 100%
Comments	**HEC NOT TO EXCEED 600LBS.	Req. Notifications	TBD

Talk About #	CHANNEL 2	Talk Group	CHANNEL 2	Talk Radio #	CHANNEL 2
	RX-TX 464.5		RX-TX 464.5		RX-TX 464.5
	TONE 131.8		TONE 131.8		TONE 131.8

21-02289 (Guardian Helicopters) - September 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	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
26	27	28 07:30 -15:30 BELL 407 LZ 38 42.23'N 122 36.23'W	29 07:30 -15:30 BELL 407 LZ 38 42.23'N 122 36.23'W	30	1	2
3	4	5	6	7	8	9



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 REPLACEMENT PROJECT WORK ORDER #: 21-02289 21-02288

ADDRESS: HWY 29 AND HILDERBAND DRIVE CITY: MIDDLETOWN STATE: CA.

LZ STAGING AREA 38°42'13.68"N 122°36'13.80"W 1250 FT ELEVATION

006/004 38°40'29.92"N 122°35'18.00"W

007/006 38°41'40.20"N 122°35'49.80"W

009/007 38°43'23.40"N 122°36'24.60"W

009/009 38°43'31.80"N 122°36'25.80"W

004/010 38°39'16.70"N 122°35'19.73"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: OSCAR SULAIMAN PHONE#: 619-733-5765

CONTACT FORMAN: PAT BLASI PHONE#: 620-388-4474

PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166

2. BUCKEY MACKAY CERT #: 2778051

3. MICHAEL KLINK CERT#: 3018828

4. IAN GOODALE CERT#: 3741973

5. ROSS GOULET CERT#: 3396777

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 205A1 N# N216GH A/C CATEGORY: STANDARD

BELL 205A1 N# N211GH A/C CATEGORY: STANDARD

AS350 B2 N# N498PT A/C CATEGORY: STANDARD

AS350 B3 N# N718GH A/C CATEGORY: STANDARD

AS350 B3 N# N215GH 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 75 H1 LDSP MAX 3200 LBS LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐

AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 150 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
9-28-2021	SUNRISE	SUNSET	9-14-2021
9-29-2021	SUNRISE	SUNSET	9-14-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
CALISTOGA POLICE DEPARTMENT	707-942-2810	DISPATCH	NOTIFIED
CALISTOGA CITY FIRE DEPARTMENT	707-942-2822	DISPATCH	NOTIFIED

Evacuation

Crowd Control

Street Closure

☒ No Evacuated Structures

☒ Operator

☐ Yes ☒ No

☐ Evacuated Structures

☒ Contractor

☒ Contractor

☐ Operator



Part 135 GH 4A Part 133 GH 4L

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
ONE STRUCTURE NEAR LZ STAGING AREA	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN RED OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = VACANT	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.

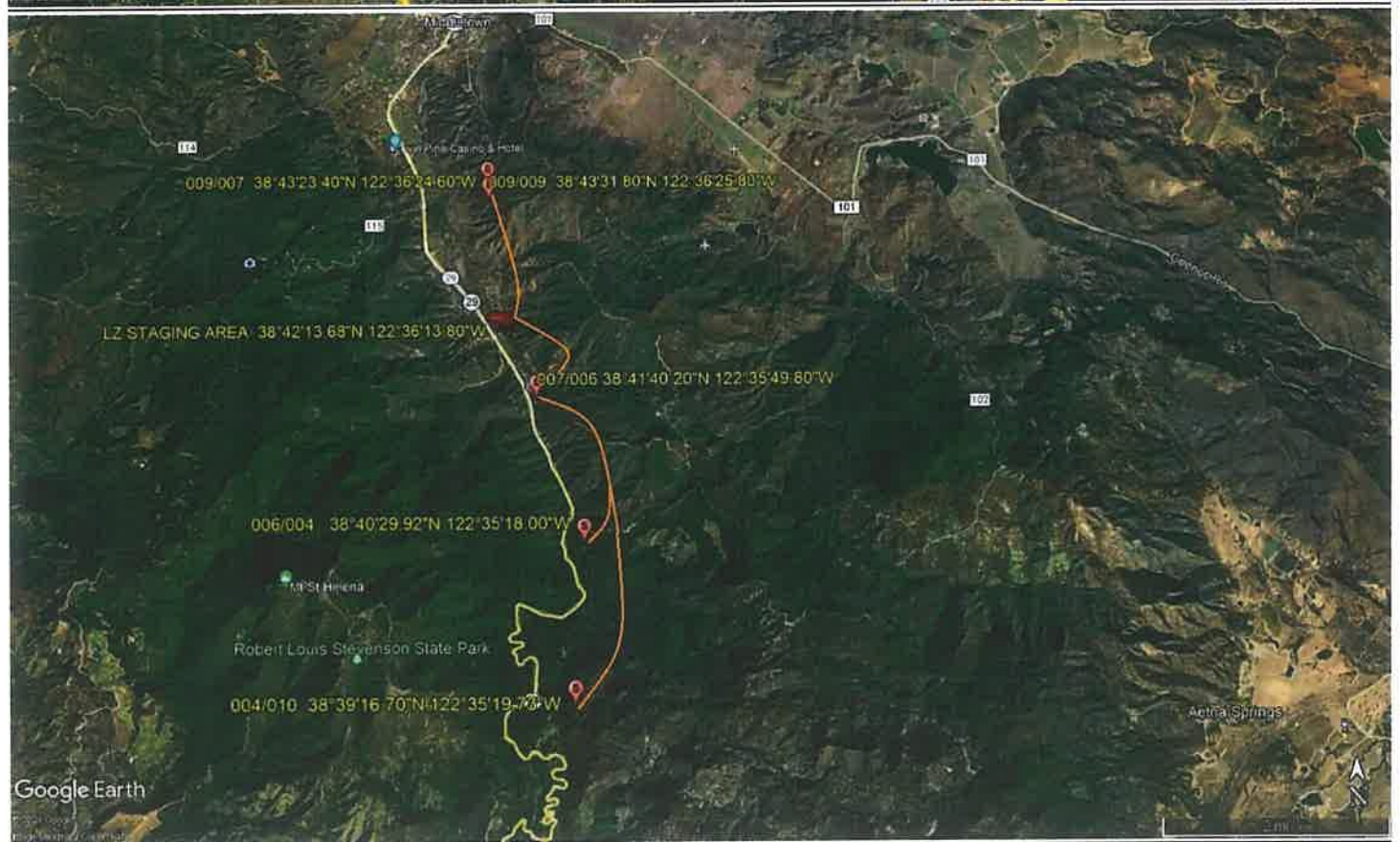
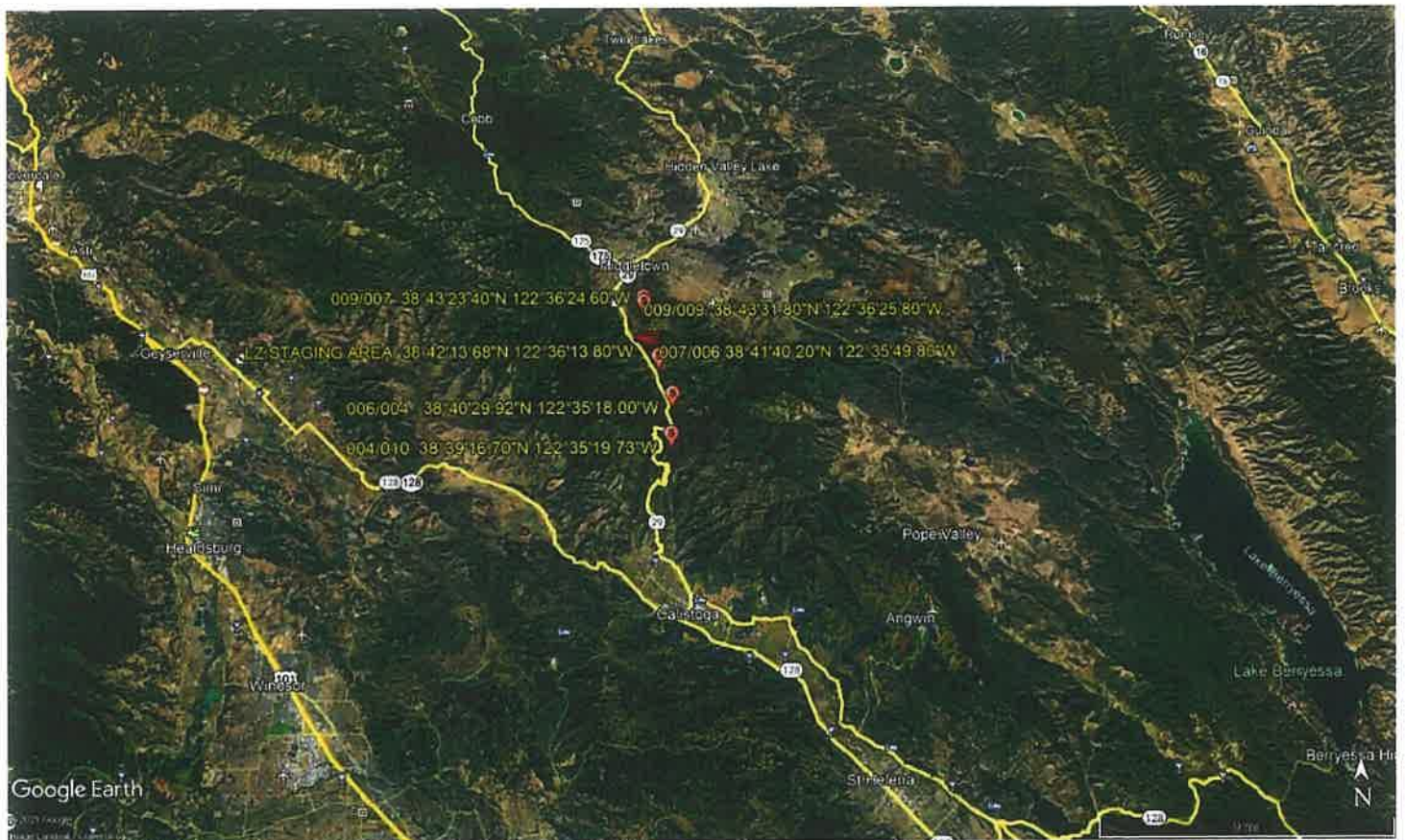
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

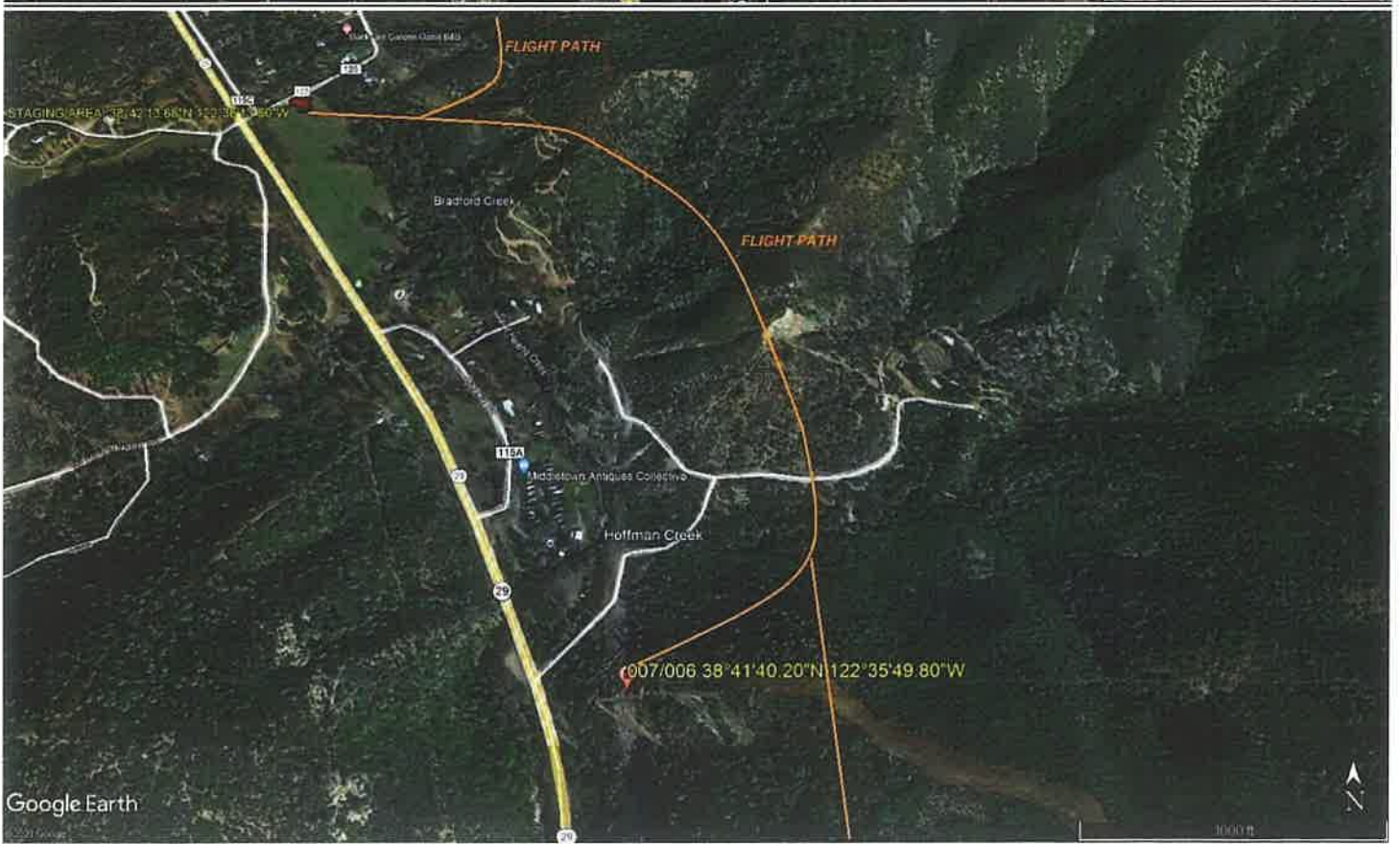
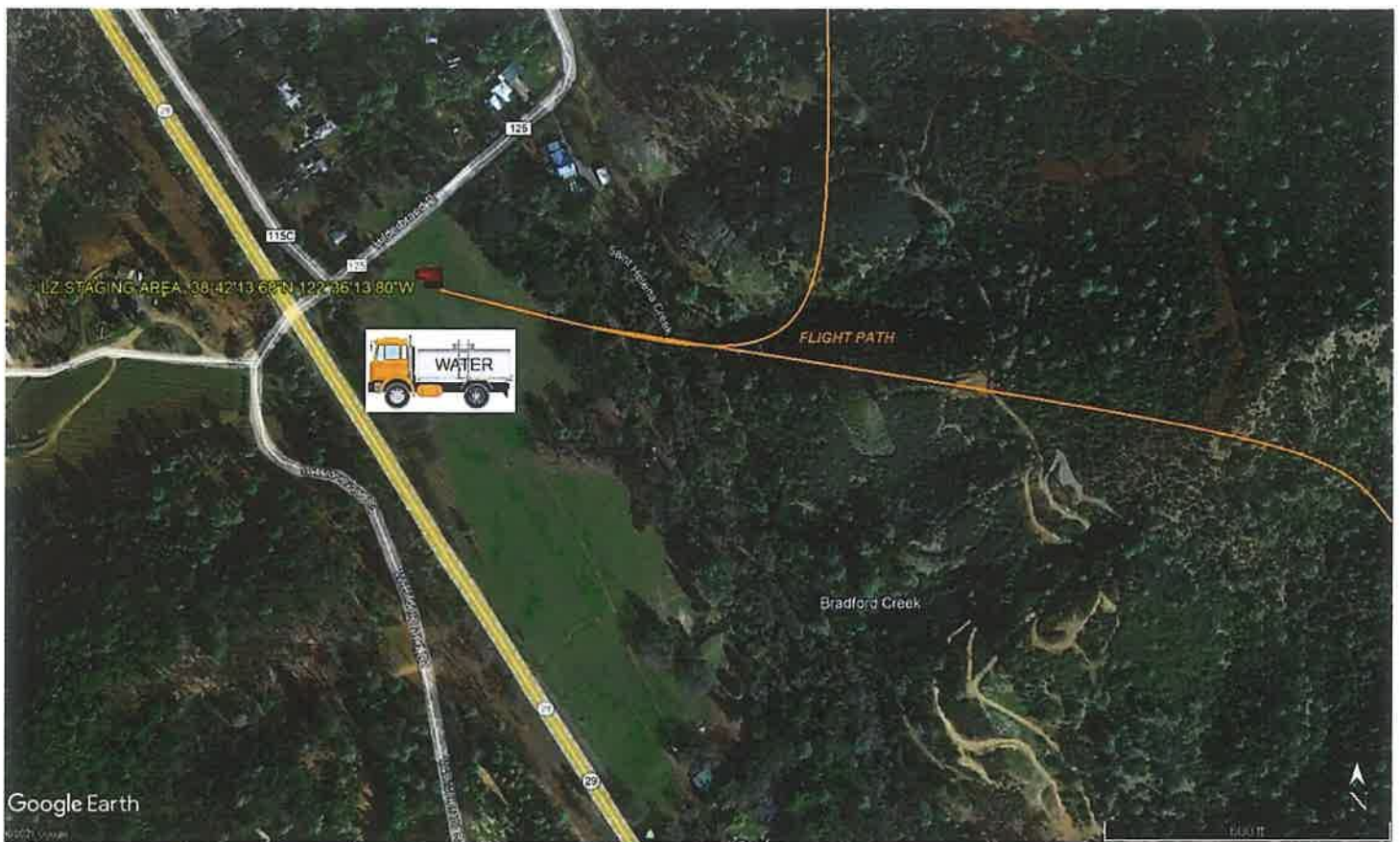
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

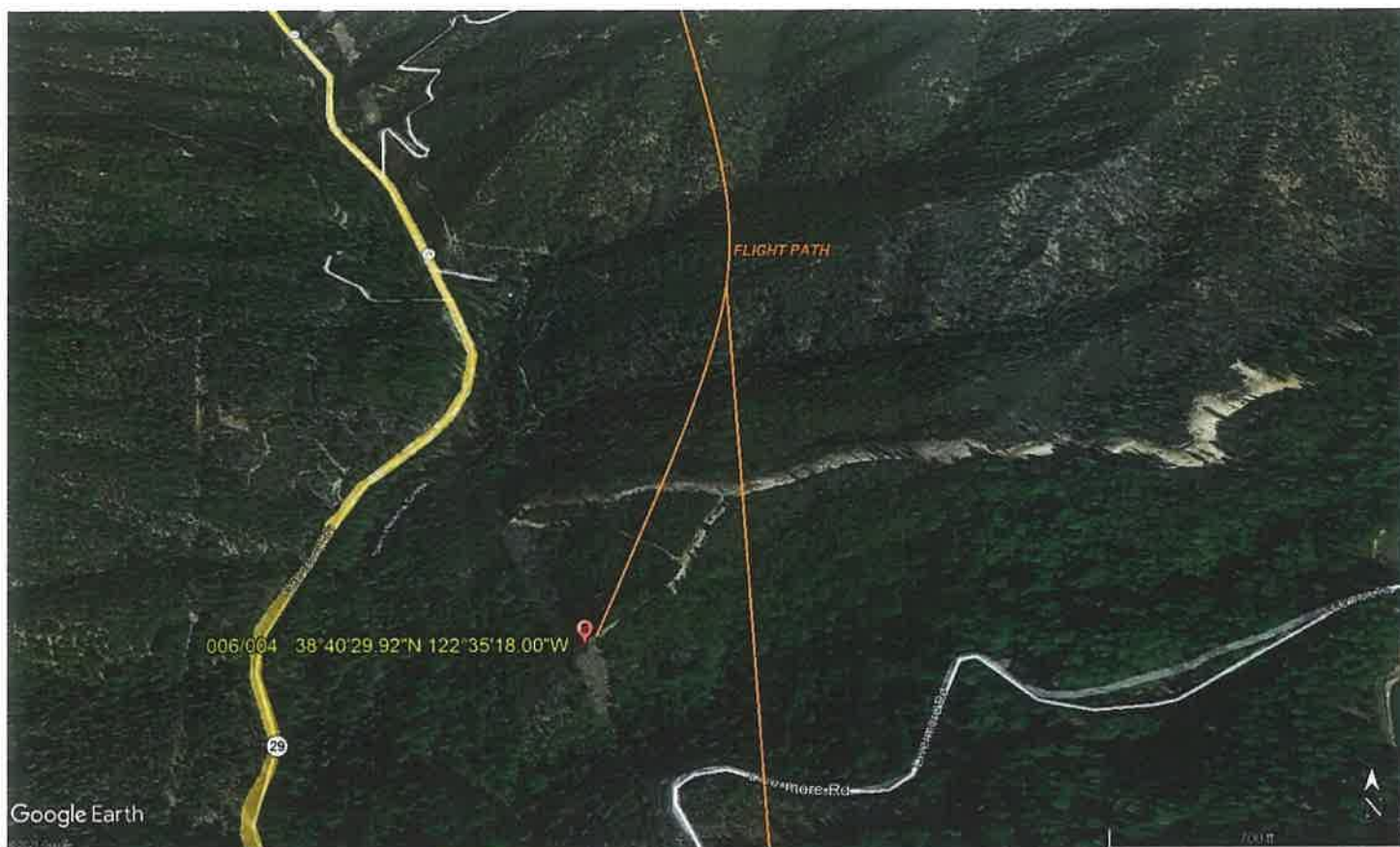
1. BOTH HELICOPTERS WILL LAND AT LZ TO CONDUCT TAILBOARD AND HEC TRAINING
2. WATER TRUCK IS REQUIRED AT LZ
3. EQUIPMENT WILL BE AT THE LZ STAGING AREA
4. REMOTE AREA NO STREET CLOSURE FLAGMAN NEAR LZ
5. NO EVACUATIONS
6. CONTRACTOR WILL PROVIDE TREE TRIMMING AS REQUIRED

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)	









Jeffrey M. Teubner

9-20-2021
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator