



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]

Tailboard Briefing Guide Updated: January 17, 2019

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

22-02347 Request Summary (Guardian Helicopters)



Requestor	Tyler J Irwin	Request Date	08/23/2022
LAN ID	TJI1	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	HEC -
Cell	(707) 684-9396		Non-Energized
LOB	Electric Transmission	For Contractor	Yes
	Line		MICHELS
Vendor	Guardian Helicopters		

Work Dates

09/13/2022 - 09/16/2022 BELL 407

Approver

Superintendent Pete M Dominguez (PXD1)

PXD1@PGE.COM

(C) (805) 459-6255

Scope of Work

FRESNO
GATES-PANOCHE #1 230 KV
CAP- NO
DISPATCH NOTIFICATIONS- LEMOOR B AIRSPACE

USFS/NATIONAL PARK TERRITORY- NO
APPROVAL RECEIVED- N/A

THIRD PARTY- MICHELS
REQUESTOR- ARMANDO CEBALLOS 559-288-3594
FOREMAN- KEN FIELDS 920-204-4403
PGE PM- ALBERTO MANCERO A9MR

SCOPE- HELICOPTER WILL PERFORM HEC TO BRING LINE WORKERS TO TOWER. THEY WILL PERFORM INSULATOR CHANGES AND MAINTENACE ON TOWERS. TRANSPORT TOOLING AND OTHER MATERIALS. TOTAL OF 3 HELICOPTER WILL PERFORM THIS JOB. WILL STAGE A DIFFERENT LZS.

LZ- LZ 1, LARGE FIELD, DISTO LINE RUNS ALONG ROAD TO SOUTH.
LZ 2, LARGE FIELD, NO OBSTRUCTIONS
LZ 2.5, LOCATED IN FIELD, TRANSMISSION LINE 250 TO EAST.
LZ 3, LOCATED OFF DIRT ACCESS FARMING ROAD. RAVINE TO THE WEST.
LZ 4, DIRT FIELD, NO OBSTRUCTIONS
LZ 5, LOCATED IN GAP BETWEEN TWO FIELDS. 500KV TRANSMISSION LINES 200FT TO EAST
LZ 6, SUBSTATION DIRT LOT, TRANSMISSION LINES COMING OUT OF SUBSTATION BORDER EAST AND WEST 500FT FROM LZ CENTER POINT.
VERIFIED WATER TRUCK WILL BE ON SITE.
LZ DIAMETER VERIFIED FOR (3) TYPE 3 AIRCRAFT- 75 FEET DIAMETER WITH SEPERATION

WORK LOCATION(S)- WORK LOCATION LOCATED IN RURAL FARM LAND. LZ LOCATION MITIGATES CROSSING ROADWAYS UNDER LOAD. 500KV TRANSMISSION LINE RUNS PARREL TO WORK LOCATIONS OUT OF LZ5 AND 6.

DUST/ TRAFFIC MITIGATION TO BE PROVIDED BY CONTRACTOR.

Daily Information

22-02347 Request Summary (Guardian Helicopters)

09/13/2022 - 09/16/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ 1	36 36.29'N 120 32.00'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 2	36 28.31'N 120 24.80'W	<no headquarters>	<no county>	510 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 2.5	36 22.48'N 120 19.86'W	<no headquarters>	<no county>	500 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 3	36 21.15'N 120 18.15'W	<no headquarters>	<no county>	465 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 4	36 15.71'N 120 13.16'W	<no headquarters>	<no county>	390 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 5	36 12.62'N 120 10.97'W	<no headquarters>	<no county>	425 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 6	36 08.67'N 120 07.37'W	<no headquarters>	<no county>	400 ft
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22-02347 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan: Surface is composed of low vegetative cover.

--- - Work Location

20041 GATES-PANOCHÉ #1 230 KV (START WORK LOCATION)	36 09.32'N 120 08.11'W	Line #: 001/007	FRESNO	<no county>	415 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

20041 GATES-PANOCHÉ #1 230 KV (END WORK LOCATION)	36 39.11'N 120 34.94'W	Line #: 043/206B	FRESNO	<no county>	405 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

SEE ADDITIONAL WORK LOCATIONS IN COMMENTS	<no lat/lon>	<no headquarters>
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Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS 1 GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	1000.0 lbs
Special Equipment	HEC Gear	Billing Number	45107253 100%
Comments	36.155341 -120.135091 001/007 LZ06 36.201279 -120.173347 005/025 LZ05 36.2062981 -120.177465 005/027 LZ05 36.224772 -120.191787 006/034 LZ05 36.240488 -120.203989 009/040 LZ05 36.251032 -120.212179 009/044 LZ05 36.255828 -120.215836 009/046 LZ04 36.273313 -120.229472 010/053 LZ04 36.279846 -120.234573 011/055 LZ04 36.2877073 -120.2406956 012/058 LZ04 36.2955462 -120.246793 013/061 LZ04 36.297358 -120.248183 013/062 LZ04 36.307509 -120.256155 013/066 LZ03 36.325405 -120.273135 015/073 LZ03 36.32963365 -120.2785657 016/075 LZ03	Req. Notifications	---

22-02347 Request Summary (Guardian Helicopters)

36.339226 -120.293411 017/080
LZ03
36.34125427 -120.2963527 017/081
LZ03
36.360388 -120.315783 018/089A
LZ03
36.362536 -120.318788 019/090
LZ03
36.36754418 -120.3233439 020/092
LZ03
36.415208 -120.366668 024/111
LZ02.5
36.42009734 -120.371227 024/113A
LZ02.5
36.42290221 -120.3736796 024/114
LZ02.5
36.425034 -120.375612 025/115
LZ02.5
36.42736159 -120.3777406 025/116
LZ02.5
36.432336 -120.382263 025/118
LZ02.5
36.45235 -120.400499 026/126 LZ02
36.454622 -120.402936 026/127
LZ02
36.472576 -120.420013 029/134
LZ02
36.474501 -120.421671 029/135
LZ02
36.479703 -120.427019 029/137
LZ02
36.482088 -120.429373 029/138
LZ02
36.484205 -120.431273 029/139
LZ02
36.494465 -120.441644 030/143
LZ02
36.496758 -120.443913 030/144
LZ02
36.505625 -120.452709 031/148
LZ02
36.510775 -120.457578 031/150
LZ02
36.5156 -120.462384 032/152 LZ02
36.53453353 -120.4813597 033/160
LZ01
36.542272 -120.489336 034/163
LZ01
36.5442805 -120.4911293 034/164
LZ01
36.559693 -120.503497 036/170
LZ01
36.57280652 -120.5140665 037/175
LZ01
36.57803695 -120.5182755 038/177
LZ01

22-02347 Request Summary (Guardian Helicopters)

36.58328307 -120.5224978 038/179
LZ01
36.588466 -120.526661 038/181
LZ01
36.5937512 -120.5309251 038/183
LZ01
36.60160053 -120.5372459 040/186
LZ01
36.621266 -120.554251 040/194
LZ01
36.641462 -120.572703 042/202
LZ01
36.646487 -120.577349 043/204
LZ01
36.65182826 -120.5823273
043/206B LZ01

Talk About #	151.76	Talk Group	151.76	Talk Radio #	151.76
CC Recipients	A9MR@pge.com				

22-02347 (Guardian Helicopters) - September 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13 08:00 -16:00 BELL 407 LZ 1 36 36.29'N 120 32.00'W	14 08:00 -16:00 BELL 407 LZ 1 36 36.29'N 120 32.00'W	15 08:00 -16:00 BELL 407 LZ 1 36 36.29'N 120 32.00'W	16 08:00 -16:00 BELL 407 LZ 1 36 36.29'N 120 32.00'W	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8



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 #:22-02347

ADDRESS: W PANOCHE RD CITY: FIRE BAUGH STATE: CA

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: ARMANDO CEBALLOS PHONE#: **559-288-3594**

CONTACT FORMAN: KEN FIELDS PHONE#: **920-204-4403**

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: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
9-13-2022 THRU	SUNRISE	SUNSET	8-29-2022
9-16-2022	SUNRISE	SUNSET	8-29-2022
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
FRESNO FIRE DEPATMENT	559-655-4107	STATION 29	NOTIFIED
FRESNO POLICE DEPARTMENT	559-655-9120	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.

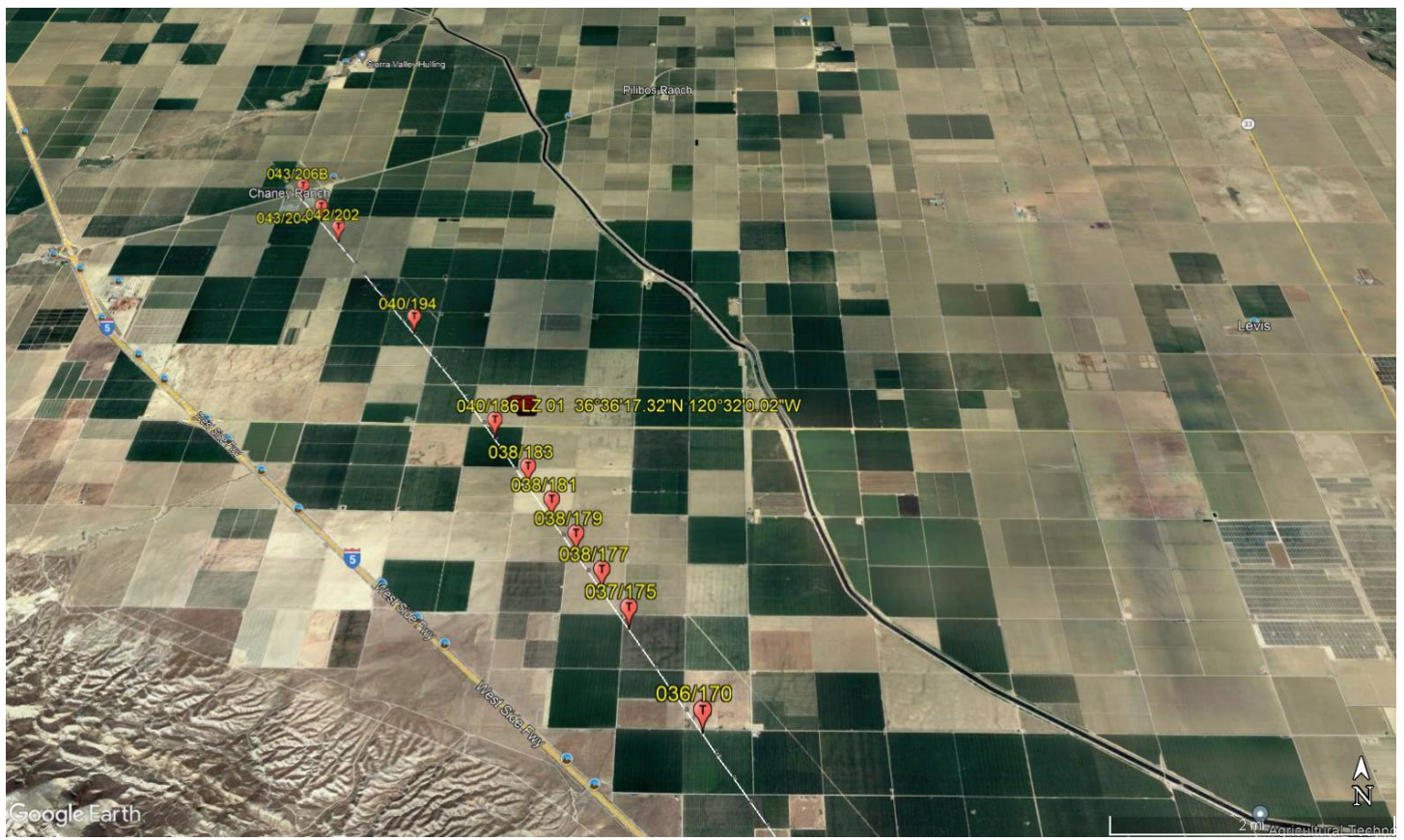
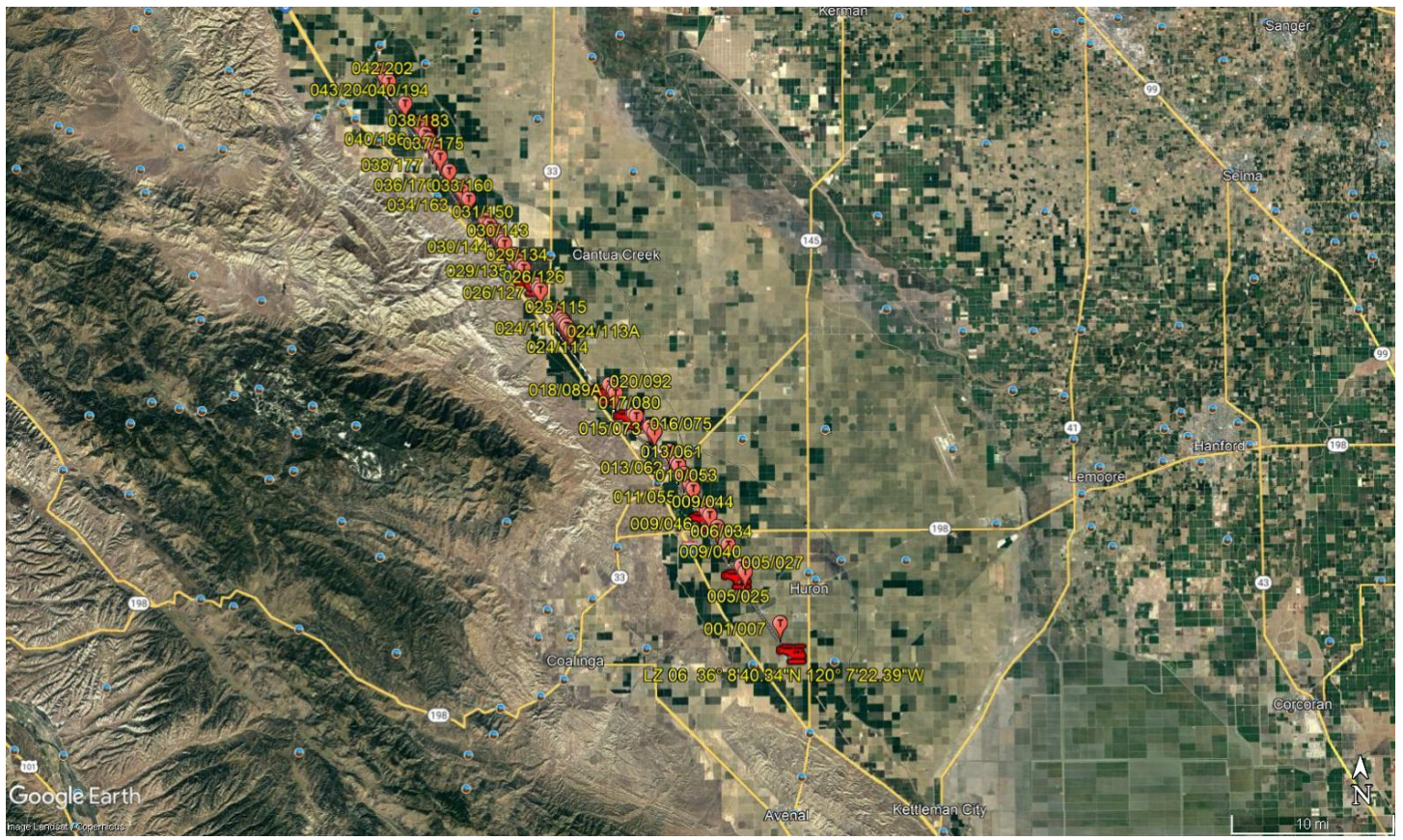
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

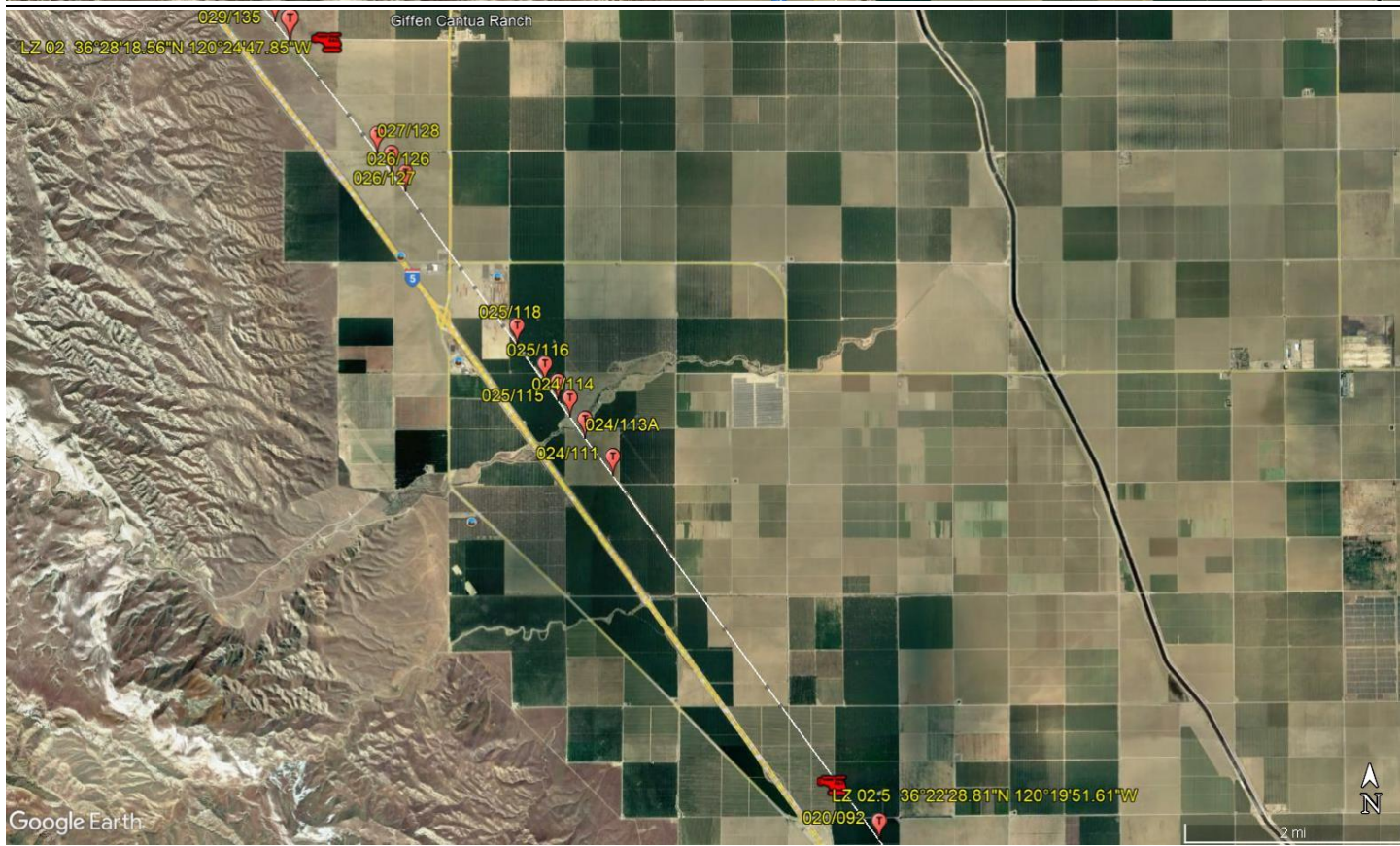
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

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
5. COORDINATE WITH 3 HELICOPTER TO ENSURE SEPERATION

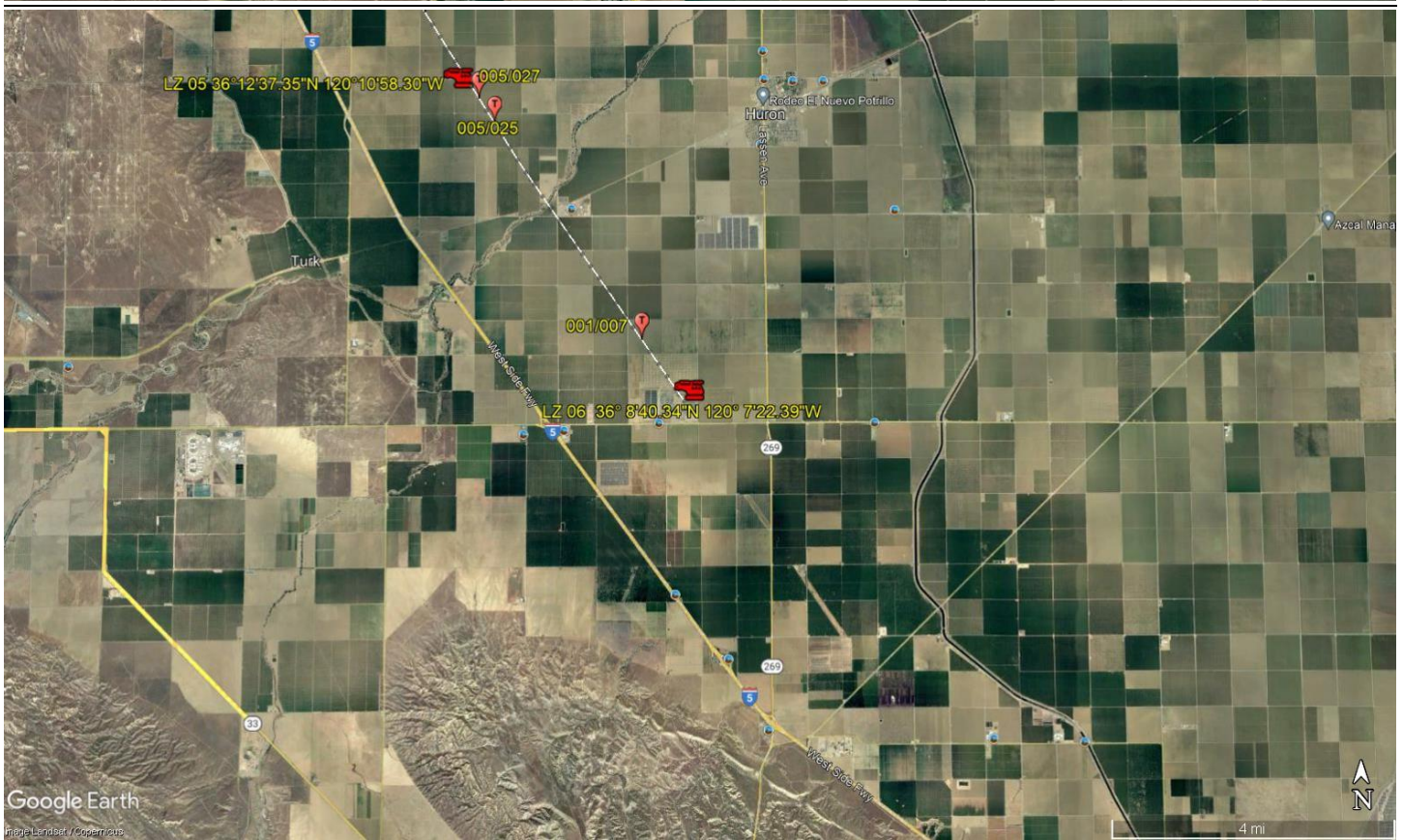
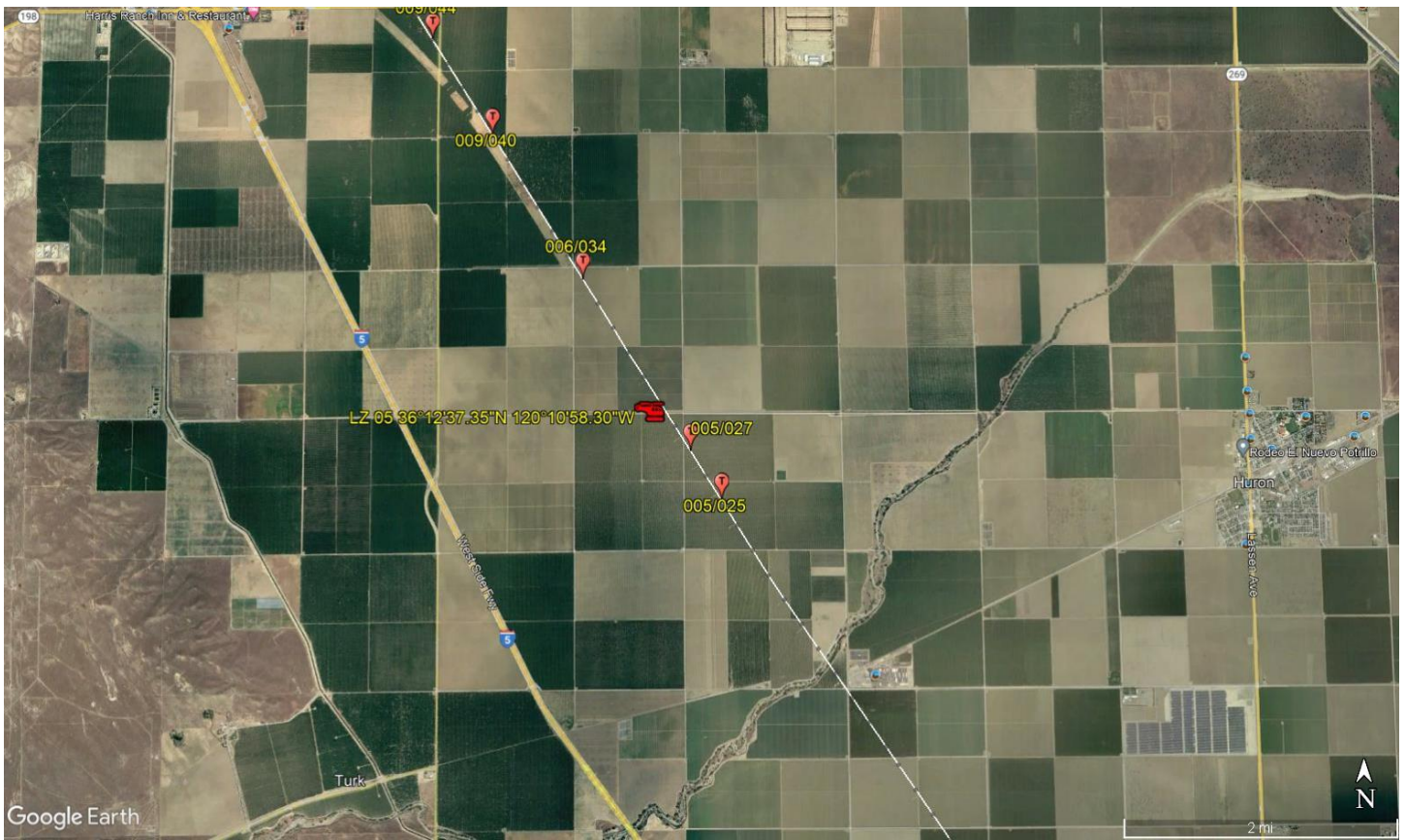
LEGEND

<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)	









Jeffrey M. Teubner

9-7-2022
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator