

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: *Moro Bay BA*

- SAFETY BRIEF SIGN IN *8-8-2020*
- GHI CREW INTRODUCTION *8-9-2020*
- IS A TRANSLATOR REQUIRED *PG 3 E 20-0159*
- WORK STOP AUTHORITY *HEC Cargo 750 LBS*
- 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

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
<ul style="list-style-type: none"> <input type="checkbox"/> Approach and departure <input type="checkbox"/> Main/tail rotor hazards <input type="checkbox"/> Safe cargo loading/unloading <input type="checkbox"/> Loose articles: <ul style="list-style-type: none"> - Aircraft & LZ <input type="checkbox"/> Hearing protection <input type="checkbox"/> Door/seatbelt operation <input type="checkbox"/> Headset/helmet/intercom <input type="checkbox"/> Air-sickness <input type="checkbox"/> In-flight emergencies <ul style="list-style-type: none"> Establish who will call 911 <input type="checkbox"/> Location of: <ul style="list-style-type: none"> o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone <input type="checkbox"/> Fueling Operations: <ul style="list-style-type: none"> - Duties & Safety Issues 	<ul style="list-style-type: none"> <input type="checkbox"/> Weather conditions <input type="checkbox"/> Wind direction <input type="checkbox"/> Fuel <input type="checkbox"/> Gross weight <input type="checkbox"/> Terrain <input type="checkbox"/> Landing zone hazards <input type="checkbox"/> Density altitude <input type="checkbox"/> Noise abatement <input type="checkbox"/> Congested area plan <input type="checkbox"/> Traffic/crowd control 	<ul style="list-style-type: none"> <input type="checkbox"/> Ground crew PPE <input type="checkbox"/> Long Line & Rigging Equipment Inspection <input type="checkbox"/> Communication: Use of headset for lineman communicating with pilot <input type="checkbox"/> Head/Hand Signals <input type="checkbox"/> Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt <input type="checkbox"/> Steps on pole <input type="checkbox"/> Remote hook operations <input type="checkbox"/> Ground crew hook up procedures <input type="checkbox"/> Static discharge <input type="checkbox"/> Emergency flyaway procedures <input type="checkbox"/> Long line clearance (6'- 25'- 150% rule) <input type="checkbox"/> No person under load <input type="checkbox"/> Ground crew safety zone <input type="checkbox"/> Pole removal with potential snag issues must be discussed <input type="checkbox"/> Nylon straps (wood vs. glass) <input type="checkbox"/> Load ratings (7:1 minimum) <input type="checkbox"/> Dry Run/Play by play pole set Procedures <input type="checkbox"/> Induced Voltage from: <ul style="list-style-type: none"> - Adjacent circuits, Underbuild, Parallel circuits etc. <input type="checkbox"/> In case of Non-Company ground crew: Rigging procedures must be briefed <input type="checkbox"/> No cell phone/camera use during external loads <input type="checkbox"/> Essential crew only
	<div style="text-align: center; background-color: #cccccc; padding: 5px;">CRM</div> <ul style="list-style-type: none"> <input type="checkbox"/> COMMUNICATION IS CRITICAL <input type="checkbox"/> Standardized language <input type="checkbox"/> "Code Red" phrases <input type="checkbox"/> Sterile cockpit <input type="checkbox"/> Flight following/radio procedures <input type="checkbox"/> Possible tasks for crew, e.g., switch/tune radios, maps <input type="checkbox"/> Hazard awareness, e.g., birds, other hazards <input type="checkbox"/> STOP work policy <input type="checkbox"/> Re-brief in case scope changes <input type="checkbox"/> <u>IMSAFE Acronym</u> <p style="color: red; font-weight: bold; margin-top: 20px;">Pilot fatigue mitigation must be briefed prior to work</p>	

20-01509 Request Summary



Requestor	Michael J Roben	Request Date	07/30/2020
LAN ID	mjrb	Work Type	Lift Work
Phone	(805) 546-5244	Lift Work Type	HEC -
Cell	(805) 588-0702		Non-Energized
LOB	Electric GC Distribution	Emergency Work	No
Vendor	Guardian Helicopters	For Contractor	No

Work Dates

08/08/2020 - 08/09/2020 BELL 407

Approver	Superintendent Pete M Dominguez (pxd1)	PXD1@PGE.COM	(C) (805) 459-6255
Foreman	Jacob M Kristy (j1k7)	(P) (661) 340-5833	(C) (661) 340-5833

Scope of Work SAN LUIS OBISPO COUNTY
MORRO BAY-DIABLO 230KV
CAP- NIL
DISPATCH NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
APPROVAL RECEIVED- NIL

SCOPE- We would like to use the aircraft to reinsulate several 230kv towers. The aircraft would be to transport platforms and land them on dead-end towers so that the linemen can hang there rigging and replace the old insulators with new insulators.

LZ/WORK LOCATION INFORMATION-
LZ MORRO BAY BLVD- OK, NO OBSTRUCTIONS.
LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 100 FEET DIAMETER
STRUCTURES 000/004, 000/005, 001/008 UTILIZING THIS LZ.

LZ BUCKINGHAM- OK, NO OBSTRUCTIONS.
LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 100 FEET DIAMETER
STRUCTURES 002/012, 002/014, 004/019 UTILIZING THIS LZ.

MULTIPLE WLS- OK, NO OBSTRUCTIONS.

**TRAFFIC AND DUST MITIGATION PROVIDED PER REQUESTOR.

Daily Information

08/08/2020

Reason for Request in Less than 10 Days:
Break-In Work/Short Duration Scheduled Work

Asset Category: LIGHT

Asset Type: BELL 407

Locations

20-01509 Request Summary

08:00 - LZ Morro Bay Blvd. LZ 35 22.25'N <no headquarters> <no county>
120 50.27'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

Morro Bay Diablo 230kv 35 22.45'N Line #: 000/004 <no headquarters> <no county> 198 ft
120 50.50'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

Morro Bay Diablo 230kv 35 22.41'N Line #: 000/005 <no headquarters> <no county> 180 ft
120 50.37'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

Morro Bay Diablo 230kv 35 22.13'N Line #: 001/008 <no headquarters> <no county> 240 ft
120 49.79'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (2)	Over Water	No
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	HEC Gear	Billing Number	31507782 100%
Comments	---	Req. Notifications	Air to Air

20-01509 Request Summary

08/09/2020

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	Buckingham LZ	35 19.94'N 120 46.91'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

Morro Bay Diablo 230kv	35 21.63'N 120 48.97'W	Line #: 002/012	<no headquarters>	<no county>	260 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

Morro Bay Diablo 230kv	35 21.36'N 120 48.61'W	Line #: 002/014	<no headquarters>	<no county>	2180 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

Morro Bay Diablo 230kv	35 20.58'N 120 47.56'W	Line #: 004/019	<no headquarters>	<no county>	1801 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (2)	Over Water	No
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	HEC Gear	Billing Number	31507782 100%
Comments	---	Req. Notifications	Air to Air

Talk About #	105	Talk Group	105	Talk Radio #	105
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20-01509 - August 2020

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

26	27	28	29	30	31	
2	3	4	5	6	7	8 08:00 -16:00 BELL 407 Morro Bay Blvd. LZ 35 22.25°N 120 50.27°W
9	10 08:00 -16:00 BELL 407 Buckingham LZ 35 19.94°N 120 46.91°W	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					



GUARDIAN
HELICOPTERS, INC.

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. AND CARGO WORK ORDER #: 20-01509
ADDRESS: HIGHWAY 1 ; MORRO BAY CA
LZ STAGING AREA LATITUDE 35°19'55.32"N LONGITUDE 120°46'53.75"W.
004/019 LATITUDE 35°20'34.80"N LONGITUDE 120°47'33.60"W
002/014 LATITUDE 35°21'21.60"N LONGITUDE 120°48'36.60"W
002/012 LATITUDE 35°21'37.33"N LONGITUDE 120°48'58.08"W
LZ STAGING AREA LATITUDE 35°22'15.00"N LONGITUDE 120°50'16.20"W
001/008 LATITUDE 35°22'7.80"N LONGITUDE 120°49'47.40"W
000/005 LATITUDE 35°22'24.70"N LONGITUDE 120°50'22.10"W
000/004 LATITUDE 35°22'26.98"N LONGITUDE 120°50'29.97"W

CONTRACTOR'S NAME: PETE DOMINGUEZ PHONE#: 805-459-6255
CONTRACTOR'S NAME: JACOB KRISTY PHONE#: 661-340-5833

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#: 339677
6. CHRIS CURRIER CERT#: 3093383

TYPE OF AIRCRAFT:
BELL UH-1H N#: N711GH A/C CATEGORY: RESTRICTED
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
AS350 B2 N#: N498PT A/C CATEGORY: STANDARD
AS350 B3 N#: N718GH A/C CATEGORY: STANDARD
AS350 B3 N#: N215GH A/C CATEGORY: STANDARD

TYPE OF ITEM LIFTING: POLE AERODYNAMIC NON- AERODYNAMIC
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 PLATFORMS
MAX SINGLE – LIFT WEIGHT: 750 LBS CLASS OF LOAD: EXTERNAL CL B
NO. OF LIFTS: TBD LONG LINE: (NO) XXX (YES) LESS THEN 200 FT (LENGTH)
OPERATIONAL ALTITUDE: < 250 AGL STREET CLOSING: (NO) XX (YES)



**GUARDIAN
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NON- Congested Area Plan (Continued)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
8-8-2020	SUNRISE	SUNSET	7-27-2020
8-9-2020	SUNRISE	SUNSET	7-27-2020
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
MORRO BAY POLICE DEPARTMENT	805-772-6225	DISPATCH	NOTIFY
MORRO BAY FIRE DEPARTMENT	805-772-6242	DISPATCH	NOTIFY

Evacuation

- No Evacuated Structures
- Evacuated Structures

Crowd Control

- Operator
- Contractor

Street Closure

- Yes No
- Contractor
- Operator

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 EVACUATIONS	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	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.

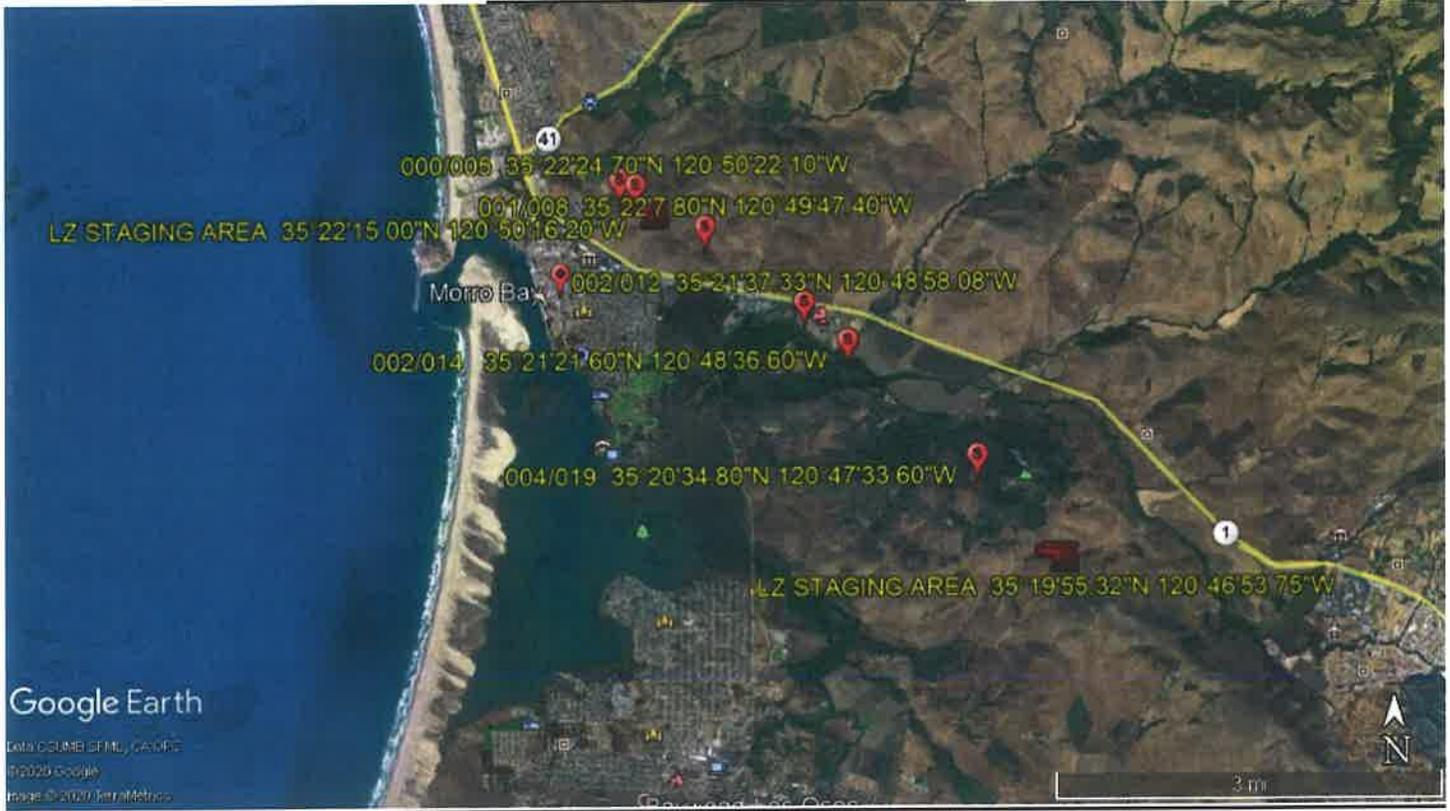
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM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

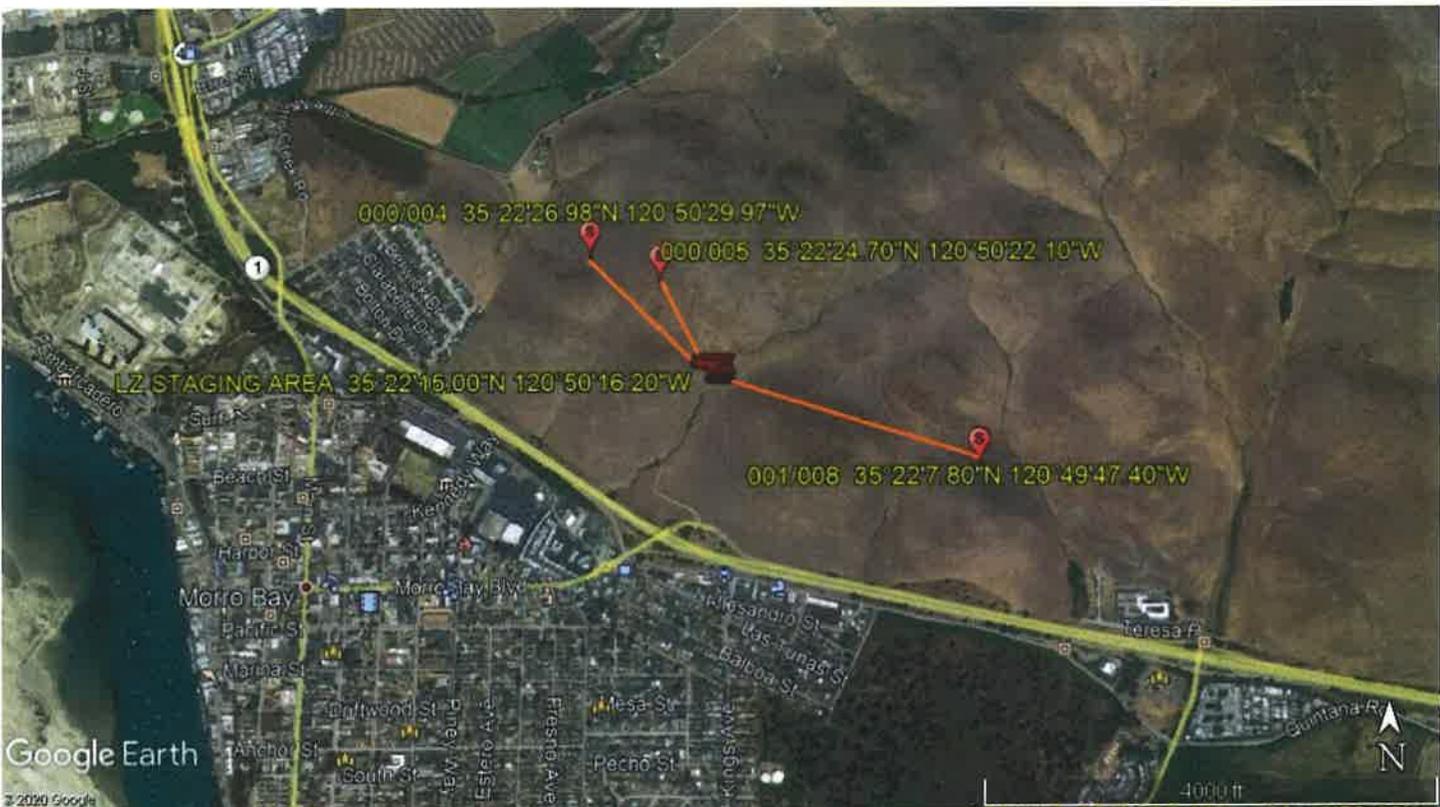
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

A TAILBOARD SAFETY MEETING WILL BE HELD AT THE ASSIGNED AREA PRIOR TO BEGINNING HELICOPTER OPERATIONS

1. HELICOPTER WILL AT THE LANDING ZONE AREA TO CONNECT LONGLINE AND CONDUCT A TAILBOARD SAFETY BRIEF AND HEC TRAINING
2. WATER TRUCK REQUIRED AT LANDING ZONES
3. PILOT WILL FLY LOW RECON PRIOR TO OPERATIONS
4. FUELING WILL ONLY BE CONDUCTED AT THE LZ STAGING AREA
5. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
6. NO EVACUATION
7. NO STREET CLOSURES
8. TREE TRIMMING MAYBE REQUIRED PRIOR TO OPERATIONS

OPERATIONS AREA DIAGRAM





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 = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

Jeffrey M. Johnston

AREA SURVEY CONDUCTED BY : _____