NORTHWEST INCIDENT MANAGEMENT TEAM

NW 7

BEAN COMPLEX

June 30, 2022

Operation Period:

Day: 0700 – 2300

Communications 24-Hour Emergency Number:

In Fairbanks— Call 911 and notify your supervisor

On the fires or in Manley — Bean Communications in Manley

Incident #: AK-TAD-000898

Financial Code: PD PRT0 (1522)

Maps & IAP

Notes

INCIDENT OBJECTIVES	1. Incident Name	2. Date Prepared	3. Time
	Bean Complex	06/29/22	1900

4. Operational Period

Day Operations: 0700 - 2300

Strategic Framework:
Implement point protection and full suppression strategies on the Bean Complex fires to protect values at risk including human safety, communities and remote structures, tribal trust lands, and cultural and natural resources. Apply strategy and tactics that offer the highest probability of success.

Management Objectives:

- Provide for the safety of firefighters, public, and aviation resources.
- Utilizing the Risk Assessment Process, evaluate all actions prior to engagement.
- Develop strategic plans that identify management action points for point protection of values at risk and evacuation efforts.
- Maintain and enhance relationships with communities, cooperators, and the public. Ensure the public is informed on the current situation.
- Utilize resource advisors when using heavy equipment and retardant applications during suppression actions and repair.
- Follow agency and community COVID guidelines to minimize the threat and spread of COVID 19 and other infectious viruses.

Operational Period Command Emphasis:

Control Objectives:

1. Incidents #315, #312, #366, #310, and #343 - Commensurate with risks and exposure, provide point protection to protect those values at risk immediately and potentially affected by the fires.
2. Incident #327 (Hutlinana) is a full suppression effort. Adequately staff Incident #327 to contain, control, and call out.

6. Weather Forecast for Period

7. General Safety Message

8. Attachments (mark if attached)

X	Organization List - ICS 203	X	Medical 206WF - 8 Line	X	Finance Message
X	Div. Assignment Lists - ICS 204	X	Safety Message	X	Dutch Creek Protocol
X	Communications Plan - ICS 205		LCES – ICS 215A	X	Phone List
X	Medical Plan - ICS 206	X	Weather Forecast	X	Incident Map(s)
X	Air Operation Summary - ICS 220	X	Fire Behavior	X	Unit Log

Prepared by Planning Section Chief	Approved by Incident Commander
Mike Crawford	

ORGANIZATION ASSIGNMENT LIST

1. Incident Name: **Bean Complex**

2. Date Prepared	3. Time Prepared
June 29, 2022	**1800**

4. Operational Period: **June 30, 2022 0700 – 2300**

Position	Name
5. Incident Commander and Staff	
Incident Commander	**Nathan LeFevre**
Deputy	**Eric Knerr, Chris Orr (T)**
Safety Officer	**Kris Croddy, Matt Broyles**
Information Officer	**Nicholas Digiacco, Lillian Mayea**
Liaison	**Shawn Christianson, Omar Ortiz (T),**
Security	**Mark Suba**
6. Agency Representatives	
Agency	Name
Alaska Div. of Forestry	**Nick Carter**
BLM Tanana Zone FMO	**Brandon Petersen**
7. Planning Section	
Chief	**Mike Crawford**
Resource Unit	**Jen Smith, Rachel Noonan (T)**
Situation Unit	**Jacqueline Forsyth**
Demob Unit	
Status Check-in	**Gary Duranceau**
IMET	**Shawn Palmquist**
Fire Behavior Analyst	**Brett Smith**
GIS Specialists	**Aleksandar Dozic, Zachary Cravens**
8. Logistics Section	
Chief	**Lin Vaughan, Ben Goodin (T)**
Deputy	**Cindy Wedekind**
Facilities	**Shelly Pacheco**
Base Camp Manager	**Peter Drott**
Supply Unit	**Clarence Adams, Vicki Cunningham**
Info. Technology Spec.	**Mike Gascon**
Receiving Distribution	
Ordering Manager	**Dustin Totton, Cameron Heirring (T)**
Ground Support Unit	**Joe Keady, Casey Glade**
COML	**Kevin Zurfluh**
COMT	**Mike Merrick**
Food Unit	**Kristy Naughton**
Security Manager	**Luke Johnson**
Medical Unit	**Bill Howell**

9. Operations Section		
OPS Section Chief		**Jon Larson**
OPS Section Chief (Planning)		
a. Branch I		
Branch Director		**Steve Bacigalupo / Scott Coulson**
Division	**G**	**Seth Merritt, Kurt Stich (T)**
Division	**D**	**Ken Foss**
Division	**A**	**Jeff Neal**
b. Branch II		
Branch Director		**Cindi Tonasket-Ebel**
Division	**N,Q,T**	**Rob Gubser, Mandi Shoaf (T)**
Division	**K**	**John Spanarell**
c. Air Operations Branch		
AOB Director		**Ted Hass**
Air Attack Supervisor		**Mike DeMello**
Air Support Group Supervisor		**Mark Hocken**
10. Finance Section		
Chief		**Andrea Andresen, Lori Bailey (T)**
Time Unit		**Heather Wall, Beverly Hollars**
Procurement		
Comp/Claims		**Kelly Lorenz**
Cost Unit		**Michael Lysne**

Prepared by Rachel Noonan

Spot Forecast for 315 Chitanana...PNW IMT 7
National Weather Service Fairbanks AK
436 PM AKDT Wed Jun 29 2022

FIRE WEATHER WATCH IN EFFECT FROM FRIDAY AFTERNOON THROUGH FRIDAY EVENING

DISCUSSION...
A weak thermal low-pressure trough over the fire will persist through Fri and possibly into the weekend. This will cause hot and dry conditions to continue through Fri, and possibly into the weekend. An upper-level low pressure trough will approach from the south on Fri, and move over the fire on the weekend. This will bring a significant chance of dry thunderstorms on Fri, and through the weekend.

THURSDAY...

Sky/weather.....Sunny (10-20 percent). Smoke thinning in the afternoon.
CWR.....0 percent.
LAL.....1.
Max temperature.....Around 80.
Min humidity.....28 percent.
Wind (20 ft).....East winds 3-5 mph. Gusts to 10 mph in the afternoon.
Ridgetop wind.....Southwest 8 mph.
Inversion burnoff...9 AM.

THURSDAY NIGHT...

Sky/weather.....Mostly clear (20-30 percent). Smoke.
CWR.....0 percent.
LAL.....1.
Min temperature.....Around 59.
Max humidity.....78 percent.
Wind (20 ft).....East winds 3-5 mph. Gusts to 10 mph in the evening.
Winds diminishing after midnight.
Ridgetop wind.....Southwest 8 mph.
Inversion setup.....11 PM.

FRIDAY...

Sky/weather.....Mostly sunny (45-55 percent). Smoke thinning in the afternoon. Widely scattered thunderstorms in the afternoon.
CWR.....10 percent.
LAL.....3.
Max temperature.....Around 80.
Min humidity.....32 percent.
Wind (20 ft).....Light winds becoming southeast 7 mph in the afternoon.
Gusty and erratic winds expected near thunderstorms.
Ridgetop wind.....Southeast 10 mph.
Inversion burnoff...9 AM.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 2	**TYPE OF FIRE:** Wildland
FIRE NAME: Bean Complex	**OPERATIONAL PERIODS:** June 30, 2022
DATE ISSUED: June 29, 2022	**TIME ISSUED:** 2100
UNITS: Alaska Fire Service – Tanana Zone	

WEATHER SUMMARY: See Weather Forecast in IAP

Continued warm and dry today and into the weekend

FUELS:

GENERAL: Primary timber fuel types are black and/or white spruce, mixedwood, and hardwoods. Fuels in recently burned areas (3 to 20 years) are likely to consist of brush, spruce reprod, and grasses. Due to recent unseasonably warm and dry weather, general fuel conditions are much drier than average for both live and dead fuels. All fuels are available to burn at varying intensity and rates of spread, including dense hardwood stands that have previously been considered as barriers. A fuels and fire behavior advisory has been issued that includes the fire area.

GENERAL/Potential:

TODAY: Throughout the fire area, expect active to periodic extreme fire behavior after inversion burns off and relative humidity reaches < 40%. Extremely dry fuel conditions are allowing fire to spread rapidly with torching and crown runs, despite relatively low wind speeds. As duff continues to dry, fires are burning deeper into duff layers. Shading from dense smoke and/or cloud cover may cool temperatures, raise relative humidity, and moderate observed fire behavior.

Local Fire Danger indices are "extreme" for this date and continue to trend upward.

Max Spotting Distance	**Fuel Type/Model**	**Maximum Rate of Spread**	**Maximum Flame Length**
0.1 to 0.25 mile	Boreal Spruce	Head 0.3 to 0.5 mi/hr Flank 10-20 ft/min	Head 15-25 ft Flank 10-15 ft
Probability of Ignition	Mixedwood (Mixed Hardwoods/Conifers)	Head 20-30 ft/min Flank 10-15 ft/min	Head 10-15 ft Flank 6-10 ft
50-70%	Standing Grass (Recent burned areas)	Head 20-30 ft/min Flank 10-15 ft/min	Head 5-10 ft Flank 2-5 ft
			
Torching and periodic crown runs are likely			

SPECIFIC:

315: Expect continued primary spread direction to the south and southeast through available fuels that have not been affected by recent fire history. Structures to the south of the current fire perimeter along the Cosna River will continue to be impacted by close proximity fire behavior. Backing and flanking are likely around areas of heat along north and northwest portions of the perimeter.

312: Available fuels will likely encourage continued spread to the south around the Bitzshitini Mountains. Upper slopes of Bitzshitini Mountains appear to have little or no vegetation and may serve as effective barriers to fire spread.

310: Fuels are mixed along rivers and observed fire behavior may, at times, include all forecast FL and ROS. Any torching in pockets of Spruce near the Tolovana River is likely to loft embers and increase spotting potential near potential containment features. Spread to the north and east may be limited by riparian areas.

343/366: Both fires are currently located entirely within 2018 burned area and have merged. Modeling suggests fire spread to the SW will continue but should not impact structures at Mooseheart Lake in the immediate future.

AIR OPERATIONS:

Smoke may impact aviation travel to and from the incidents as well as over the incidents. Smoke forecast suggests visibility impacts to operations are possible for multiple days.

SAFETY:

The fire area is likely to experience some of the warmest and driest conditions of the year over the next few days. It is always a good time to revisit and ensure local LCES protocols are in place.

Fuels and Fire Behavior Advisory

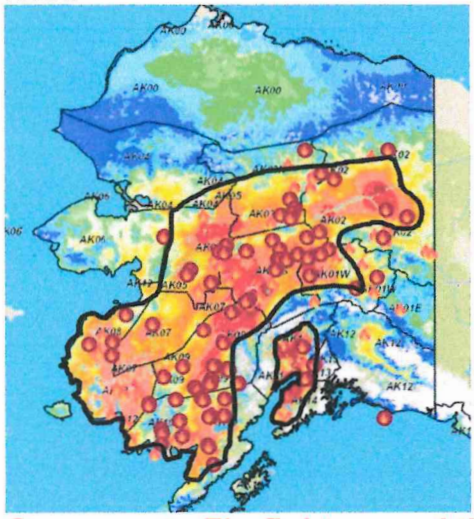
Interior, Southwest, and South-Central Alaska

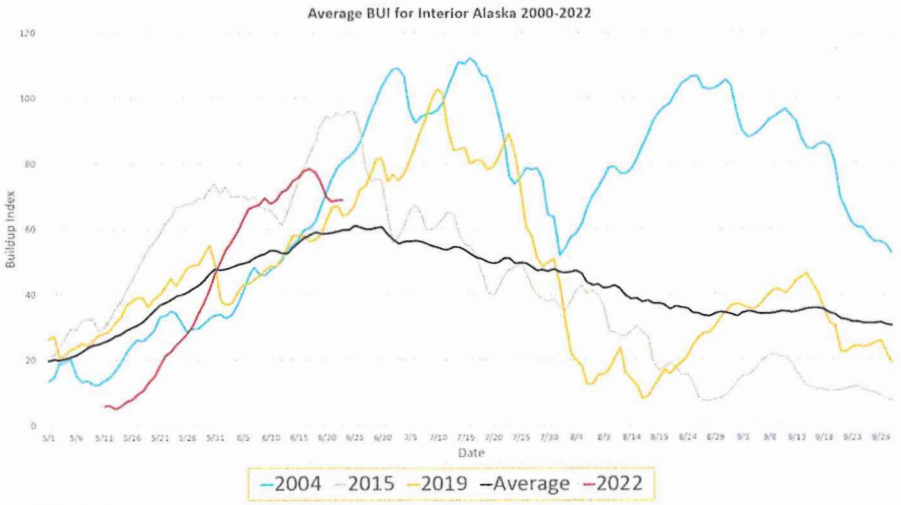
Valid: June 25 – July 8, 2022

Subject: **Exceptional landscape flammability and widespread ongoing large fire growth.**

Discussion: The Buildup Index (BUI) is the best indicator of seasonal severity and overall flammability of fuels in Alaska. It represents deeper drying in the duff layers and greater fuel availability. Large fire growth occurs from mid-June to mid-July surrounding the summer solstice when long days and rapid drying can produce elevated BUIs. Southwest Alaska normally experiences shorter periods of high flammability but has had numerous fires burning since the end of May. By mid-June fire activity began to spread eastward in the Interior. Numerous fires are now burning in the central Interior. The area of activity is expected to expand eastward into the Yukon Flats. South Central has been drying rapidly and BUIs are now at record levels.

Difference from normal conditions: The attached graph shows the current 2022 BUI trend for the Interior of Alaska compared to other busy fire seasons. 2022 has been above average BUI since May 31, and higher than 2019 levels for the same period. Convective precipitation has moderated values in some areas but forecast high pressure will rapidly increase values. Much of the landscape has experienced large fire growth earlier than usual. Multiple days of wetting rain adding up to more than one inch will be needed for lasting relief.





Concerns to Firefighters and the Public:

- Spruce stands are extremely flammable, will ignite readily, exhibit rates of spread more than one mile per hour, torch, and spot prolifically up to ¼ mile or more, and exhibit intense crown fire behavior.
- Temperatures above 80 degrees and RH below 30% are important thresholds for rapid spread and crown fire behavior. Strong winds are not required for large fire growth.
- Long-term drying has stressed green fuels and is encouraging spread into riparian areas and less flammable hardwood forests. These fuel types may no longer be barriers to fire spread.

Mitigation Measures:

- Ensure that you can recognize hazardous fuel types including tundra that is exceptionally dry.
- Understand the triggers and thresholds for problem fire behavior.
- Monitor forecasts and indices to anticipate areas of increased flammability and extreme fire behavior.
- Maintain clear communications when working around active fires.

Area of Concern: Interior, Southwest and South Central Alaska

Issued By: Alaska Interagency Coordination Center Predictive Services

DIVISION ASSIGNMENT LIST	1. Branch: I	2. Division/Group: #312 (DIV A)
3. Incident Name: **Bean Complex**	4. Operational Period — Date: June 30, 2022	Time: Day 0700 - 2300

5. Operations Personnel

Operations Chief	Jon Larson	Division/Group Supervisor	Niel (SAT Phone 8816-514-02467)
Operations Chief (Planning)	Jon Larson	Air Attack Supervisor	
Branch Chief	Steve Bacigalupo / Scott Coulson (T)		
Safety Officer	Matt Broyles / Kris Croddy		

	Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	Tentative Last Work Day
1.	SMKJ	Fischer	3				
2.	SMKJ	McCall	3				
3.	SMKJ	Ortlund	11				
4.							
5.	E1 Agency Zodiak	Fremont	1				
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							

7. Control Operations

Point Source Protection

8. Special Instructions.

Structure protection on cabins south and east of #312 Fire.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command Repeater	See Comm Plan			Command	See Comm Plan		
TAC				Air To Ground	See Comm Plan		

Prepared by (Resource Unit Leader):	Approved by (Planning Section Chief):	Date	Time
Jen Smith	Mike Crawford	6/29/22	1900

DIVISION ASSIGNMENT LIST	1. Branch: I	2. Division/Group: #315 (DIV D / DIV G)
3. Incident Name: **Bean Complex**	4. Operational Period: Date: June 30, 2022	Time: Day 0700 - 2300

5. Operations Personnel

Operations Chief	Jon Larson	Division/Group Supervisor	Merritt (SAT Phone 8816-514-00503)/Stich(T) Foss (SAT Phone 8816-514-02334)
Operations Chief (Planning)	Jon Larson	Air Attack Supervisor	
Branch Chief	Steve Bacigalupo / Scott Coulson (T)		
Safety Officer	Matt Broyles / Kris Croddy		

	Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT/Time	Pick Up PT/Time	Tentative Last Work Day
1.							
2.							
3.	**DIV D**	Foss	1				
4.	SMKJ	Hayes	12				
5.	SMKJ	Cramer	11				
6.	SMKJ	Langhorst	8				
7.	BTOP	Behr	1				
8.	BTOP	Woods	1				
9.	BTOP (E-3 Boat, E-4 Trailer)	Yeager	1				
10.	BTOP	Freemont	1				
11.							
12.	**DIV G**	Merritt/Stich (T)					
13.	C- HC1 Midnight Sun IHC		16				
14.	SMKJ	O'Connor	4				
15.							
16.							
17.							
18.							
19.							

7. Control Operations

Point Source Protection

8. Special Instructions.

Merritt/Stich(T) – Provide point source protection on structures north of #315 Fire and allotment protection to the east of #315 Fire. Scout cabin to the west.

Foss – Provide structure protection to 10 cabins south of #315.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command Repeater	See Comm Plan			Command	See Comm Plan		
TAC				Air To Ground	See Comm Plan		

Prepared by (Resource Unit Leader):	Approved by (Planning Section Chief):	Date	Time
Jen Smith	Mike Crawford	6/29/22	1900

DIVISION ASSIGNMENT LIST	1. Branch: I	2. Division/Group: #343 / #366 (DIV K)
3. Incident Name: **Bean Complex**	4. Operational Period: Date: June 30, 2022	Time: Day 0700 - 2300

5. Operations Personnel

Operations Chief	Jon Larson	Division/Group Supervisor	Spanarell (SAT Phone 8816-514-02162)
Operations Chief (Planning)	Jon Larson	Air Attack Supervisor	
Branch Chief	Steve Bacigalupo / Scott Coulson (T)		
Safety Officer	Matt Broyles / Kris Croddy		

	Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	Tentative Last Work Day
1.	SMKJ	Cramer	12				
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							

7. Control Operations

Continue structure protection at Mooseheart Lake. Develop management action points for cabins.
Monitor by air.

8. Special Instructions.

Cabin protection and prep.
Bears are an issue. May need a shooter if adding additional resources.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command Repeater	See Comm Plan			Command	See Comm Plan		
TAC				Air To Ground	See Comm Plan		

Prepared by (Resource Unit Leader):	Approved by (Planning Section Chief):	Date	Time
Jen Smith	Mike Crawford	6/29/22	1900

DIVISION ASSIGNMENT LIST	1. Branch: II	2. Division/Group: #310 (DIVs N, Q, T)
3. Incident Name: **Bean Complex**	4. Operational Period — Date: June 30, 2022	Time: Day 0700 - 2300

5. Operations Personnel

Operations Chief	Jon Larson	Division/Group Supervisor	Gubser (SAT Phone 8816-514-02344) Shoaf(T)
Operations Chief (Planning)	Jon Larson	Air Attack Supervisor	
Branch Chief	Cindi Tonasket-Ebel		
Safety Officer	Matt Broyles / Kris Croddy		

	Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT/Time	Pick Up PT/Time	Tentative Last Work Day
1.							
2.	**Deadman's Lake (DIV Q)**						
3.	C - HC1 Flathead IHC						
4.	SMKJ	Whittemore	4				
5.	Agency Zodiak	Butterfield	1				
6.							
7.							
8.	**Roadhouse (DIV T)**						
9.	SMKJ	Luke Greenburg	8				
10.	BTOP		1				
11.							
12.							
13.	**#327 (DIV N)**						
14.	C- HC1 Union IHC		21				7/3
15.	C- HC1 Redmond IHC	Gabe Mason	23				7/6
16.	C- HC2 K River						
17.	SMKJ	Danny Wieborg	2				7/3
18.	O-6 TFLD	John Ashcraft					
19.							

7. Control Operations

Deadman's Lake – Complete point source protection on all cabins.

Roadhouse – Complete burnout to secure perimeter.

#327 – Secure and 100% mop up.

8. Special Instructions.

Backhaul all unnecessary equipment.

#327 - Catalogue all equipment by type, location, and equipment #.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command Repeater	See Comm Plan			Command	See Comm Plan		
TAC				Air To Ground	See Comm Plan		

Prepared by (Resource Unit Leader):	Approved by (Planning Section Chief):	Date	Time
Jen Smith	Mike Crawford	6/29/22	1900

AIR OPERATIONS SUMMARY 220	Prepared By: Ted Hass, AOBD	Prepared Date: 06/28/2022	Prepared Time:1900

INCIDENT NAME: Bean Complex	OPS PERIOD DATE: 06/30/2022	START TIME: 1000	END TIME: 2300	SUNRISE: 0305	SUNSET: 0043 (6/29)
Risk Assessment Mitigations, Special Instructions, and Remarks: Assess Risk Daily: assess visibility, weather, complacency, communications, fatigue, etc. – Make informed risk acceptance decisions. **Flight Follow (FF) with ATGS or Helibase** **ALWAYS MONITOR PRIMARY A/G**		**Helibase Info:** **Manley Helibase** N64°59.47' x W150°38.58' (275' msl) **Unicom:** 122.8	**TFR Info:** NO TFR	**Medevac or Extraction Order through Dispatch:** 907-356-5555	
		All aircraft requests go through Air Attack or Helibase			

POSITION	NAME	PHONE #	FREQUENCIES	TYPE	FREQ. RX	FREQ. TX	FIXED-WING Avail/ Type/ Make-Model/ N#/
AOBD (planning)	Ted Hass	541-646-1318	Air/Air Branch I	AM	125.8500	125.8500	**AIRTANKERS- order through Air Attack**
HEB Manley	Mark Hocken	907-388-5342	Air/Air Branch II	AM	121.0500	121.0500	
ATGS	Mike Demello	541-324-0876	A/G Primary	FM	171.5500	171.5500	**ALL CTRs & Cost Summary to finance:**
ATGS	Jerry Messinger	541-306-0907	A/G Secondary	FM	171.7250	171.7250	
HMGB 920	Connie Stickel	907-687-1863	A/G Zone	FM	166.6375	166.6375	
HMGB 5AE	Jenna Scott	907-388-1547	Zone Air/Air	AM	128.4500	128.4500	**Air Attack Platforms**
Helibase	Manley	907-388-5342					AA610 – N586DV
Zone UAO	Jason Brooks	907-482-0738	National FF	FM	168.650 (110.0)	168.650 (110.0)	AA617 – N721TB
	Craig Utter	208-315-3251	Air Guard	FM	168.625	168.625 (110.9)	
UYT Dispatch	Aircraft Desk	907-356-5553					

HELICOPTERS:

FAA N#	T Y	MAKE/ MODEL	BASE	AVAIL	REMARKS	FAA N#	T Y	MAKE/ MODEL	BASE	AVAIL	REMARKS
N16920	2	Bell 212	Manley	1000	Bucket, longline, recon	215KA	2	Bell 212HP	Galena	1100	On loan daily upon request
N405AE	3	AS350 B3	Manley	1000	Recon, Bucket, longline						

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

Controlled Unclassified Information//Basic

1. Incident Name:	2. Date/Time Prepared:	3. Operational Period:	
BEAN COMPLEX	Date: 06/29/2022 Time: 1930	Date/Time From: 06/30/2022 0700 THU	Date/Time To: 07/02/2022 2300 SAT

4. Basic Radio Channel Use:

Zone Group	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode (A,D, or M)	Remarks
	1	COMMAND	CMD 1	ALL DIVS	170.4500 N	123.0	168.1000 N	123.0	A	MOOSE HEART MTN
	2	COMMAND	CMD 2		169.5375 N	123.0	164.7125 N	123.0	A	NOT IN SERVICE
	3	COMMAND	CMD 3	ALLL DIVS	170.0125 N	123.0	165.2500 N	123.0	A	MANLEY HS DOME
	4	TACTICAL	TAC 4	DIV A	168.0500 N	123.0	168.0500 N	123.0	A	
	5	TACTICAL	TAC 5	DIV D	168.2000 N	123.0	168.2000 N	123.0	A	
	6	TACTICAL	TAC 6	DIV G	168.6000 N	123.0	168.6000 N	123.0	A	
	7	TACTICAL	TAC 7	DIV K	166.7250 N	123.0	166.7250 N	123.0	A	
	8	TACTICAL	TAC 8	DIV N/Q	166.7750 N	123.0	166.7750 N	123.0	A	
	9	TACTICAL	TAC 9	DIV T	168.2500 N	123.0	168.2500 N	123.0	A	
	10	TACTICAL	IATAC1		159.3750 N		159.3750 N		A	
	11	AIR TO GROUND	LOC A/G 1		166.3750 N		166.6375 N		A	
	12	COMMAND	RED		1168.5625 N		168.5625 N		A	LOCAL DISPATCH
	13	TACTICAL	WEATHER		162.5500 N					NOAA
	14	AIR TO GROUND	A/G PRI		171.5500 N		171.5500 N		A	
	15	AIR TO GROUND	A/G SEC		171.7250 N		171.7250 N		A	
	16	AIR GUARD	GUARD		168.6250 N		168.6250 N	110.9	A	

5. Special Instructions:

6. Prepared By (Communications Unit Leader)	Name: KEVIN ZURFLUH	Signature:
ICS 205	**IAP Page**	Date/Time: 06/29/2022 1930

Bean Complex 6/30/2022

SMJ personnel groups w/ SAT Phones

#310/#327 - Deadman Lake
Whittemore +3 (SAT Phone # 8816-514-01799

#310/#327 - Roadhouse
Greenberg +7 (SAT Phone # 8816-514-05665)

#315

O'Conner +3	(SAT Phone # 8816-5140-5677)
Langhorst +11	(SAT Phone # 8816-514-03067)
Hayes +11	(SAT Phone # 8816-2248-7596)

#312

McCall +3	(SAT Phone # 8816-224-90885)
Fischer +3	(SAT Phone # 8816-514-05630)

Division Group Supervisor SAT Phones

Grubser	SAT Phone # 8816-514-02344
Niel	SAT Phone # 8816-514-02467
Foss	SAT Phone # 8816-514-02334
Merritt	SAT Phone # 8816-514-00503
Spanarell	SAT Phone # 8816-514-02162

Instructions for placing calls to SAT Phones:
You have the option to give the caller the 2-stage dialing access number. When calls are placed to the satellite phone via the access number, you as the subscriber, are billed $1.60/incoming minute. The caller is charged a regular long distance call to Arizona. The 2-stage access number is **1-480-768-2500**. The caller will be prompted to enter your 12-digit satellite phone number, then the call will be placed to your Iridium satellite phone.

SAFETY MESSAGE

INCIDENT Bean Complex	**DATE:** June 30, 2022 **SHIF:T** Day

Communication: The ability to discuss, formulate, agree to, and communicate a plan that stretches beyond the next few minutes or hours is something unique to humans. It is what has allowed us to prosper on the planet despite our comparatively feeble physical abilities, lack of fur, fangs, claws, and despite general tastiness. To operate safely in the complex fire environment,we need to take full advantage of the communication tools that we humans have naturally, and those we have developed through technology. Today let's focus on the human factors that can lead to communications breakdowns, and how to avoid breakdowns that compromise safety.

Human communication under stress can blow out into open conflict. The fireline is often a stressful place. Expectations differ, opinions differ, values differ, and messages are sometimes garbled or misunderstood. As a result, tempers flare, heated words can get exchanged -even among friends. Heated words can lead to more heated words in response, or to one or both parties shutting down communication entirely. Both outcomes compromise safety.

Examples of stress- compromised communication

- 30 Mile – disagreement about hours on/off, rest needed, and organization of the fire.
- Yarnell – conflict between divisions (which began previously) that led to one leaving the fire, conflict between AA and DIVs over burnout and retardant.
- Dude – disagreements and discomfort regarding the transitions between T2 and T1 teams.
- Dutch Creek – severe arguments about patient treatment led to a difficult and delayed patient extraction.
- Cerro Grande – difficulty with dispatch, conflict over resource ordering pre-escape.

Examples courtesy of Matt Holmstrom Former Superintendent, Lewis and Clark IHC

When conflict blows out to the level of personal anger and hostility, we are out of compliance with Standard Order # 6 because we are not "keeping calm or thinking clearly". We have also compromised our LCES because we are no longer effectively communicating " (**C**)" effectively (if at all). When this occurs, we need to *"check ourselves before we wreck ourselves"*. Step back emotionally, and maybe physically. Take some deep breaths and try to return to the basic concept taught in the L course series – **"Focus on What's Right, not Who's right."**.

Before speaking again take a little time out to think about what you want your next few words to accomplish- what is your overall goal ***in this next instant*** of communication?

Maybe its more important to make a statement of respect and reconciliation that will help keep communication lines open next, rather than to further engage in the debate/argument/"robust discussion" with your next few words.

Incident Safety Officers: Matt Broyles, (541) 591-6151, and Kris Croddy.

IAP Finance Message

Please email your time (and other finance documents) as attachments in PDF form to:
2022.bean.finance@firenet.gov

In the subject line of your email include:
Your RO# and your last name or company name

Name your attached CTR or ST in this format: CTR_RO#_YYMMDD or ST_RO#_YYMMDD
Example: CTR_O15_220629

If more than one day on a CTR or ST use this format: CTR_RO#_YYMMDD_DD
Example: ST_E15_220629_30

If you cannot email, hard copies will be accepted.
Bean Complex finance section is located at:

Fairbanks Pipeline Training Center
3600 Cartwright Ct
Fairbanks, AK 99709

In remarks, please note on your CTR which Fire you are working on. Thank you!

Logistics Information

Bean Complex ICP:
Fairbanks Pipeline Training Center
3605 Cartwright Ct Building C and E
Fairbanks AK

Manley Helibase:
149.5 mile Elliott Highway
Manley Hot Springs, AK

Orders email to: 2022.bean.ordering@firenet.gov

Team 7 Line Supply Order	Foo Foo complex OSC/Division Supervisor only	Order #

Date & Time Order Placed	Deliver To Location/time (Division, Drop Point, Heli Spot, Lat/Long)	Delivery Method (Driver, Helo, DIVS pickup)

Order received in Communications (name & time)	Ordered by (name and Position)
Order received in Supply by (name & time)	Ground Contact
Order received in Transportation by (name & time)	Contact Freq.
Order received in Helibase by (name & time)	Special Instructions/line length/ elevation
Order shipped to line by (name & time)	

#	Item	need	sent	#	Item	need	sent
1	Meals MRE 12/Cs			33	Slingable Bag, Potable, 55 gal.		
2	Water 5 gal cubies			34	Slingable Bag, suppresion, 72 gal		
3	Gatorade 24/Cs			35	Coffee Kit		
4	Batteries, AA, 24/pg.			36	Coffee 3lb Can		
5	Batteries, AAA, 18/pg.			37	Folda-Tank 1000/1500 gal		
6	2 Cycle Oil Qt			38	Pumpkin, size?		
7	2 cycle Oil, 1 Gal. mix, 50:1			39	Backpack Pump		
8	Gas 50:1 mix (5 gal.)			40	Mark III pump + Kit		
9	Bar Oil, Gal			41	Lightweight Pump		
10	Gas Unleaded (5 gal.)			42	Volume Pump		
11	Diesel, (5 gal.)			43	Hose 1 ½", 100' lg		
12	Gas Can, 5 gal. empty			44	Hose 1", 100' lg		
13	Shovel			45	Hose 3/4", 50' lg		
14	Pulaski			46	Reducer, 1½" to 1"		
15	Mcleod			47	Reducer, 1" to 3/4"		
16	Combi			48	Gated "Y", 1 ½"		
17	Chainsaw Kit			49	Gated "Y", 1"		
18	Drip Torch, empty			50	Gated "Y", ¾"		
19	Fussee			51	In-line Tee w/cap, 1½" to 1		
20	Sleeping Pad			52	Nozzle KK, 1 ½"		
21	Sleeping Bag			53	Nozzle KK, 1"		
22	Tent fly, plastic 16" x 20"			54	Nozzle, ¾"		
23	Plastic Sheeting			55	Nozzle, Forester 1"		
24	Parachute Cord			56	Foam 5 gal.		
25	Fiber Tape, roll			57	Sprinkler kit, (4 head)		
26	Garbage Bags, case			58	Team 7 Hose Lay Kit		
27	Leadline, 3000 lbs.			59			
28	Cargo Net, 3000lb			60			
29	Swivel, 3000lb			61			
30	Toilet Paper, rolls			62			
31	Bath in a Bag, Small			63			
32	Bath in a Bag, Large			64			

Accountable Property #s

ver. 6/26/22

Team 7 Hose Lay Kit (7/16/2014)	
Item	Amount
1½ in. Synthetic Hose	1000 FT
1 in. Synthetic Hose	500 ft.
¾ in. garden Hose	500 ft.
1½ in. Gated wye	5 ea.
1½ in. - 1 in. reducer	5 ea.
1 in. Forester Nozzle	5 ea.
1 in. - ¾ in. Reducer	5 ea.
¾ in. valve, shutoff, ball	5 ea.
¾ in. gated wye	5 ea.
¾ in. Nozzle	5 ea.

Sprinkler Kit NFES # 1048	
Item	Amount
Sprinkler Head w/couplings	4
¾ in. garden Hose	250 ft.
1½x 1½ z 1 in. Tee	4
1 in. - ¾ in. Reducer	4
1½ in. - 1 in. reducer	1
¾ in. gated wye	2
¾ in. valve, shutoff, ball	4
¾ in. nozzle	1
¾ in. pressure regulator	1
1 in. nozzle, plastic 60 gpm	1
10 in. adjustable wrench	1

3 kits to 1 Mark III pump, depending on slope

Line Order Process

All line orders will go through the Comms. Unit.

Orders can sent via phone at ----------

NW Team 7 – C & G Phone List for Bean Complex

Incident Commander	Nathan LeFevre	541-255-6595
Dpty. Incident Commander	Eric Knerr	541-219-6579
Incident Commander (T)	Chris Orr	530-640-1464
Safety Officer	Matt Broyles	541-591-6151
Safety Officer	Kris Croddy	520-275-6747
Public Information Officer (V)	Don Ferguson	541-778-2679
Public Information Officer	Nicholas Digiacco	603-236-2398
Public Information Officer	Allan Andrew Hageman	503-991-2312
Public Information Officer	Clare Long	603-986-5640
Liaison Officer	Shawn Christianson	509-429-3348
Liaison Officer	Omar Ortiz	360-713-3866
Liaison Officer (T)	Mark Suba	541-219-9048
Finance Section Chief	Andrea Andresen	530-375-7205
Finance Section Chief (T)	Lori Bailey	541-589-0806
Logistics Section Chief	Lin Vaughan	859-619-7244
Logistics Section Chief	Cindy Wedekind	541-450-1136
Logistics Section Chief (T)	Ben Goodin	541-589-2941
Operations Section Chief/Planning	Jon Larson	208-631-6488
Operations Section Chief Branch I	Steve Bacigalupo	541-530-4780
Operations Section Chief Branch II	Cindi Tonasket-Ebel	509-899-0298
Air Operations Branch Director	Ted Hass	541-646-1318
Planning Section Chief	Mike Crawford	458-212-0501

ACTIVITY LOG (ICS 214)

1. Incident Name:	2. Operational Period: Date From: Date To: Time From: Time To:

3. Name:	4. ICS Position:	5. Home Agency (and Unit):

6. Resources Assigned:

Name	ICS Position	Home Agency (and Unit)

7. Activity Log:

Date/Time	Notable Activities

8. Prepared by: Name: _____ Position/Title: _____ Signature: _____

ICS 214, Page 1 Date/Time: _____

ANDY PALMER-DUTCH CREEK MEDICAL EVACUATION INFORMATION AND AIRCRAFT MISHAP RESPONSE AND REPORTING INFORMATION

BEAN COMPLEX - UPDATED 6/29/2022

LEADER'S INTENT: To provide **approximate** travel times, emergency response, and emergency response notification procedures for fires within the complex to where advanced care can be provided.

In the event of a medical incident requiring extraction from the fireline the procedure will be:

1. On- scene incident commander will notify Bean communications and provide the information on the **8 Line** form (last page of the IAP, or IRPG pgs 118-119) preferably in the order that the information appears on the form and request any resources needed for the extraction.

2. Bean communications will notify C and G present in Manley via cell phone text list.

3. field operations- in cooordination with Manley medical personnel and Manley air operations- will direct/assign/coordinate incident assigned resources to perform the extraction of the patient(s) from the line and either:

A. Deliver the patient(s) to Manley Airstip for transfer to fixed wing lifeflight.

B. Deliver the patient(s) to Manley Airstrip for transfer to Fairbanks by ground transport.

C. Fly patient(s) directly, by rotor, from the line to Fairbanks Memorial Hospital.

Team Safety officer at Manley will consult with medical personel at Manley and determine the need to request lifeflight fixed wing to respond to Manley airstrip. **75 to 95 minutes to get lifeflight plane to Manley air strip from time UYT dispatch notifies lifeflight of order.**

Team Safety Officer in Manley will call Upper Yukon -Tanana Dispath Center (1 800 237- 3652, and ask for the floor corrdinator) and notify them that:

1. An accident/injury/illness has occurred.
2. An extraction is under way to get patient(s) to Manley Airstrip.
3. A lifeflight fixed wing is/ is not requested to respond to Manley airstrip.
4. Provide any information from the 8 line that dispatch requests.

ANDY PALMER-DUTCH CREEK MEDICAL EVACUATION INFORMATION AND AIRCRAFT MISHAP RESPONSE AND REPORTING INFORMATION

Team Safety in Manley will notify IC, or Deputy IC, or IC(t) at earliest opportunity without delaying care or transport of the patient(s)

	Destination	
Incident	**Manley Airstrip** **Round trip rotor time from incident to Manley (includes spool up and 10 minutes for patient loading.)**	**Fairbanks** **One way rotor flight time from incident to Fairbanks Memorial Hospital (includes 10 minutes patient load time at incident)**
310	Fly direct to Fairbanks Memorial Hospital from incident → (45 minutes to spool and fly from Manley to incident)	45 minutes
312	2 hours 20 minutes	
315 North end	1 hour 45 minutes	
315 South end	1 hour 55 minutes	
327	1 hour 10 minutes	
343	No personnel assigned at this time- monitor status only	
366	No personnel assigned at this time- monitor status only	

ANDY PALMER-DUTCH CREEK MEDICAL EVACUATION INFORMATION AND AIRCRAFT MISHAP RESPONSE AND REPORTING INFORMATION

Aircraft Mishap Response and Reporting Procedures

Personnel observing mishap will report it to supervisor and /or Bean communications immediately, attempt to access the scene, and give size up and victim status report when on scene.

On-scene personnel: Once report and size up are delivered, priority for **on-scene personnel**, in priority order, is:

1. As possible, limit the number of personnel exposed to the mishap scene to only those necessary to accomplish tasks listed below.
2. Keep responders and uninjured survivors from becoming injured.
3. Locate, extricate if necessary, and treat injured survivors.
4. Do not move bodies of deceased individuals unless necessary to rescue or treat survivors See IRPG pg. 115 for fatality procedures).
5. Report situation and 8 Line information (last page of IAP or pages 118-119 in IRPG) on all victims- living and deceased- to Bean Communications.
6. Attempt to control any natural fuels fire started by mishap.
7. Secure mishap scene for investigation purposes.
8. Identify and gather witnesses. Have them individually write statements about what they saw and heard regarding the mishap.
9. Continue to work towards meeting incident objectives -if possible- with resources uninvolved with the mishap or response to it.

Bean Communications: Once initial report and initial size up has been received Bean communications will, in order:

1. Attempt to Notify C and G at Manley via cell phone text list.
2. Place call to UYT dispatch (1 800 237- 3652, and ask for the floor corrdinator) and relay that a mishap has occurred, and info. from initial size up. UYT dispatch, **not** Bean comm. will call national mishap hotline.
3. Prepare to receive 8 Line information from on scene personnel.

Team Safety Officer at Manley: Once initial report and initial size up has been received:

1. Notify IC, or Deputy IC, or IC (t).
2. Work with field operations and air operations at Manley to coordinate rescue/response.

Field Operations and Air Operations at Manley: Upon notification of mishap and receipt of the initial size up, coordinate with medical personnel at Manley. Then direct/assign/divert incident resources as necessary to:

1. Facilitate rescue and transport to care of survivors as per team procedures (see above)
2. Extraction (and replacement as necessary) of on scene personnel to meet incident objectives.

SPECIAL BOAT AND CHAINSAW OPERATIONS SAFETY GUIDELINES

BEAN COMPLEX - UPDATED 6/29/2022

LEADER'S INTENT: To provide additional guidance for using chainsaws while in inflatable boats for opening waterways for boat passage.

Existing Applicable Guidance

1. The boat use Risk Management Assessment will be reviwed by all supervisors overseeing boat /saw combo operations. Supervisors are responsible for boat operations procedures compliance.

2. The chainsaw Risk Management Assessment will be reviwed by all supervisors overseeing boat /saw combo operations. Supervisors are responsible for chainsaw operactions procedures compliance.

Hazards and Mitigations Prepared by Matt Broyles- SOF2, IMT NW-7

Hazard and Injury Potential	Mitigations
Saw perforates tube of boat, boat sinking. Potential for drowning. Potential for remote stranding and hypothermia.	Place (and secure with straps and or duct tape) extra chaps, limbs, or wood- based guard material on top surface of tubes within reach of saw bar. Designate and set up one boat as the saw boat. Saw boat should be staffed with a boat operator, sawyer and (if necessary) a swamper only. Saw boat should be followed by at least one other boat having enough passenger capacity to accommodate all staff from saw boat in the event saw boat sinks or becomes innoperable due to puncture(s)
Sawyer looses balance and falls into boat with saw chain running. Potential for saw cuts to sawyer, swamper, boat, and boat operator	Saw boat should be staffed with a boat operator, sawyer and (if necessary) a swamper, only. If swamper is used, swamper should be out of the swing zone of the saw bar to the extent possible to do the job of swamping the cut material. If sawyer loses balance and is falling towards operator or swamper and saw chain is running, sawyer should either attempt to apply the chain brake or jetison the saw safely either in a safe location within the boat, or into the water. Saving the saw is not worth an injury to personnel.
Sawyer looses balance and falls into water with saw chain running. Potential for saw cut injury to sawyer, swamper, boat, and boat operator. Potential for saw to weigh sawyer down in deep water resulting in drowning.	To avoid entanglement with the saw in the event the sawyer ends up in the water with the saw (running or not) the sawyer should not be tethered to the saw in any way. If falling in, the sawyer should attempt to apply the chain break and/or jetison the saw as far as possible from the boat and themselves. Saving the saw is not worth potential injury and/or drowning.
Sawyer looses balance and falls into water with saw chain stopped. potential for saw to weigh sawyer down in deep water resulting in drowning.	To avoid entanglement with the saw in the event the sawyer ends up in the water with the saw (chain running or not) the sawyer should not be tethered to the saw in any way. If falling in, the sawyer should jetison the saw. Saving the saw is not wofrth potential drowning.

Medical Plan ICS-206

Incident/Project Name	Operational Period
Bean Complex	Date/Time **June 30, 2022 0700-2300**

Ambulance Services

Name	Complete Address	Phone	Advanced Life Support Yes	No

Air Ambulance Services

Name	Phone	Type of Aircraft & Capability
Guardian Flight	1-888-997-3822	Fixed wing
Life Med	1-907-563-6633	Fixed wing

Hospitals

Name/ Address	GPS Datum – WGS 84		Travel Time Air	GRN	Phone	Helipad Yes	Level
Fairbanks Memorial 1650 Cowles St Fairbanks, AK	Lat: Long	N 64° 49.90' W 147° 44.50'	25 MIN	4 hrs	1-907-458-5556	YES	IV
Providence Alaska Medical Center 3200 Providence Dr. Anchorage, AK	Lat: Long	N 61° 11.20' W 149° 49.18'	75 MIN	NA	1-907-212-3433	YES	II
Harborview MC Seattle, WA	Lat: Long	N 47° 36.190' W 122°19.500'	4 HRS	NA	206-744-3000	YES	I / Burn Unit

Branch | Division | Group	Radio Designator	Name	Capabilities
ICP	MEDL	Bill Howell	
Manly Hot Springs	MEDL-T	Kasey Austin	
Division			
Division			
Division			
Division			

Prepared By (MEDL)	Date	Reviewed By (Safety)	10. Date
/s/ Kasey Austin MEDL-T	6/29/22	\s\ Matt Broyles	6/29/22

Medical Incident Report

In the event of a medical emergency **Contact the Communications Unit** and utilize the Medical Incident Report (found on page 118 in the IRPG or the last page of the IAP) to provide information to communications.

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report

FOR A NON-EMERGENCY INCIDENT, WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.

FOR A MEDICAL EMERGENCY: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

Use the following items to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS / DISPATCH (Verify correct frequency prior to starting report)
Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."

2. INCIDENT STATUS: *Provide incident summary (including number of patients) and command structure.*
Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat./Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."

Severity of Emergency / Transport Priority	☐ **RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE** *Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.* ☐ **YELLOW / PRIORITY 2 Serious Injury or illness. Evacuation may be DELAYED if necessary.** *Ex: Significant trauma, unable to walk, 2° – 3° burns not more than 1-3 palm sizes.* ☐ **GREEN / PRIORITY 3 Minor Injury or illness. Non-Emergency transport** *Ex: Sprains, strains, minor heat-related illness.*	
Nature of Injury or Illness & Mechanism of Injury		*Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)*
Transport Request		*Air Ambulance / Short Haul/Hoist Ground Ambulance / Other*
Patient Location		*Descriptive Location & Lat. / Long. (WGS84)*
Incident Name		*Geographic Name + "Medical" (Ex: Trout Meadow Medical)*
On-Scene Incident Commander		*Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)*
Patient Care		*Name of Care Provider (Ex: EMT Smith)*

3. INITIAL PATIENT ASSESSMENT: *Complete this section for each patient as applicable (start with the most severe patient)*

Patient Assessment: See IRPG page 106

Treatment:

4. TRANSPORT PLAN:

Evacuation Location (*if different*): (*Descriptive Location (drop point, intersection, etc.) or Lat. / Long.*) Patient's ETA to Evacuation Location:

Helispot / Extraction Site Size and Hazards:

5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:

Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extrication

6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable

Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *
COMMAND					
AIR-TO-GRND					
TACTICAL					

7. CONTINGENCY: ***Considerations:*** ***If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.***

8. ADDITIONAL INFORMATION: *Updates/Changes, etc.*

REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.