

CONSTANTIA COMPLEX



FRIDAY, JULY 30, 2010

0600-2000

PDFM15

(1502)

GPS: NAD 83 - FORMAT : DD MM. MM

<p style="text-align: center;">Incident Objectives</p>	<p>1. Incident Name CONSTANTIA COMPLEX</p>	<p>2. Date Prepared 07/29/10</p>	<p>3. Time Prepared 0713</p>															
<p>4. Operational Period 07/30/10 Friday DAY Shift 0600 - 2000</p>																		
<p>5. General Control Objectives for the incident (include alternatives)</p> <ol style="list-style-type: none"> 1. Maintain firefighter and public safety at all times. 2. Protect private ranches and other private property. 3. Minimize suppression impact to remaining sagebrush stands and wildlife habitat, spec. sage grouse & mule deer. 4. Protect distribution power lines that serve local communities and ranches 5. Minimize suppression impacts to known cultural sites. 6. Manage incident in most cost effective manner, and maintain fiscal integrity. 7. Minimize acres burned on State Responsibility Area lands, mitigating threats to infrastructure, residential properties and commercial properties. 																		
<p>6. Weather Forecast for Period See Attacheed Forecast.</p>																		
<p>7. General Safety Message See Attached Safety Message</p>																		
<p>8. Attachments (mark if attached)</p>																		
<table border="0" style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td><input checked="" type="checkbox"/> Incident Map</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Safety Message</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS205</td> <td><input type="checkbox"/> Traffic Plan</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Fire Behavior</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Air Operations Summary - ICS 220</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>				<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Incident Map	<input type="checkbox"/>	<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Safety Message	<input type="checkbox"/>	<input checked="" type="checkbox"/> Communications Plan - ICS205	<input type="checkbox"/> Traffic Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/>	<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Incident Map	<input type="checkbox"/>																
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Safety Message	<input type="checkbox"/>																
<input checked="" type="checkbox"/> Communications Plan - ICS205	<input type="checkbox"/> Traffic Plan	<input type="checkbox"/>																
<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/>																
<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input type="checkbox"/>	<input type="checkbox"/>																
<p>9. Prepared by (Planning Section Chief) Evan Boshell</p>		<p>10. Approved by (Incident Commander) John Kidd</p>																

ORGANIZATION ASSIGNMENT LIST			9. Operations Section		
1. Incident Name CONSTANTIA FIRE			Operations Chief		Colt Mortenson Tracy Swenson
2. Date Prepared July 30, 2010		3. Time 2000	OSC2 (T)		Dave Koch Brook Chadwick
4. Operational Period DAY SHIFT JULY 30, 2010 0600-2000			Planning Operations		
5. Incident Commander			a. Branch I		
Position		Name	Branch Director		
Incident Commander		John Kidd	Division/Group		A Brian Keating Matt Filbert (T)
Deputy Incident Commander		Tom Suwyn	Division/Group		B Gary Sexton
Incident Commander (T)		Tracy Dunford	Division/Group		W Jason Kirks Ken Wright(T)
Safety Officers		Ken Moore/Buz VanSlike Steve Davis/Kraig Carroll	Division/Group		U Chris Delaney Tyco Isaacson (T)
Information Officer		DickBirger/Kirsten Cannon/Robyn Broyles(T)	Division/Group		REHAB Matt Armentrout Brett Blumhardt(T)
6. Agency Representative			b. Branch II		
Agency		Name	Branch Director		
BLM Agency Administrator		Chris McAlear	Division/Group		
BLM Agency Rep.		Ken Smihula	Division/Group		
FS Agency Administrator		Laurence Crabtree	c. Branch III		
FS Agency Rep		Mike Donald/Deb Bumpus	Branch Director		
Cal. State Agency Rep.		Joe Waterman	Division/Group		
Resource Advisor - FS		Mike Friend	Division/Group		
Resource Advisor - BLM		Wade Salverson	d. Air Operations Branch		
Resource Advisors			Air Operations Branch Director		Alex Stone
7. Planning Section			Air Tactical Group Supervisor		Mike Melton
Chief		Evan Boshell	Air Support Group Supervisor		Cameron Dingman
Resources Unit		Clark Tucker	Air Support Group Supervisor(T)		Pete Goetzinger
Documentation Unit		Clark Tucker	Helibase Manager		Mark Wisner
Demob Unit		Keri Vest	Helicopter Coordinator		
Situation Unit		Renee Flanagan/Lou Ballard Linda Chapell(T)	10. Finance Section		
FBAN		Myron Hotinger/Joe Adamski(T)	Chief		Mike Taylor
IMET		Dennis Gettman	Chief		Glen Beagle (T)
GIS Specialist		Julie Osterkamp	Time Unit		Stacy Heaps
Training Specialist		Lynn Cook	Cost Unit		Wendy Soper
Computer Specialist		Heidi Little/Cody Hickenbotham	Compensation/Claims Unit		
Status/Check-in		Cherie Ausgotharp	Procurement Unit Leader		
8. Logistics Section			Prepared by Resource Unit Leader		
Chief		Brent Crosland	Clark Tucker		
Supply Unit		Larry Garahana			
Facilities Unit		Duane Stewart			
Ground Support Unit		Varian Allen			
Communications Unit		Steve Robertson			
Medical Unit		Deb Lopez			
Security Unit		Randy Davis			
Food Unit		Shannon Swann			

AIR OPERATIONS SUMMARY		Incident Name/Operational Period: Constantia Fire 7-30-2010				Copies to:		Aviation Bases: Stead Air Attack Base H-1	
4. Personnel and Communications	Name	Air/Air Frequency		Air/Ground Frequency		5. Remarks (Spec. Instructions, Safety Notes, Hazards, Priorities)			
Air Operations Branch Director Alex Stone	505-362-7020	118.225 Primary/TFR		166.8250 Primary		<p>All orders for aircraft tactical missions should be ordered through Air Attack or communications to helibase/ fixed wing base.</p> <p>IC or Operations must approve all non-tactical missions prior to scheduling.</p> <p>Keep clear of all drop zones.</p> <p>All orders for supplies need to go through Communications/ Supply and orders delivered to helibase.</p> <p>Keep communications short and to the point, use your signal mirrors to guide in aircraft.</p> <p>Medical emergencies need to go through Divisions to Communications/Medical Unit.</p> <p>When calling Air Attack, call sign is Constantia Air Attack.</p> <p>Be careful of winds on the lee sides of ridges. Ensure specific aircraft wind limitations are not exceeded.</p> <p>Watch for POWERLINES in the fire area.</p> <p>Ensure FTA limits are followed</p> <p>Camp briefing @0600, Pilots on and preflight @0700, Aviation Briefing @0730 at the helibase. All Helibase personnel and pilots need to attend the Aviation Briefing.</p> <p>All Aircraft need to ensure GPS Units are set to <u>NAD 83</u> and <u>DD MM.MM</u></p>			
Air Support Group Supervisor Cameron Dingman	801-550-9857			163.100 Deck					
Helibase Manager T1 Mark Wisner	208-833-6026								
Helibase Manager T2 (T) Caleb Schrieber	503-501-7572								
Air Tactical Group Sup Mike Melton	435-590-4712								
6. Location/Function	7. Assignment	8. Fixed Wing		9. Helicopters		10. Time		11. Aircraft Assigned	12. Operating Base
		No.	Type	No.	Type	Available	Commence		
Air Tactical	All Divisions	1	1			0700	0800	N531SA	Stead AAB
Aerial Supervision Module	All Divisions							Varies	Stead AAB
Airtanker Support	All Divisions							Varies	Stead AAB
Helicopter Support				2	3	0700	0800	N206GH N117MB	H-1
13. Totals		1		2					
14. Air Operations Support Equipment:						15. Prepared by (include Date and Time) Stone/Dingman 7-29-2010 1800			

	Sunrise	Sunset
7-30-2010	0557	2015
7-31-2010	0558	2014
8-1-2010	0559	2013
8-2-2010	0600	2012
8-3-2010	0601	2011
8-4-2010	0602	2010
8-5-2010	0603	2009

Helicopter Missions

Type 3 Helicopters-Operations Section, GPS Mission with Planning Section, bucket and cargo work as requested.

TFR Information

TFR 0/4010 395513N/1200323W 5NM Radius

Dipsite Information

<u>Latitude</u>	<u>Longitude</u>	<u>Fire</u>	<u>DIV Location</u>	<u>Elevation</u>	<u>IGE/OGE</u>
39 54.08 X	120 00.57	Constantia		5200	IGE

Helispot Information

<u>H#</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Elevation</u>	<u>IGE/OGE</u>
H1	39 57.37	120 04.45	5000	IGE
H2	39 55.40	120 02.66	6200	IGE
Medivac	39 55.99	120 04.23	7000	IGE

Medivac Information

In the event a medevac is necessary, the Division Supervisor will notify Incident Communications Unit of the incident. The Division Supervisor and on scene medical personnel will determine if the incident is a **Medivac** or **Medical Transport**. The Medical Unit will notify Minden Dispatch if Care Flight will be used. In either case, the helibase may need to respond with a helicopter if it is deemed to be the appropriate resource to transport the patient. Depending on the severity of injury, the incident helicopter will transport the patient to either Constantia ICP or a local hospital. An EMT from the Medical Unit will be stationed at the helibase as one becomes available

Local Hospital information is located in the IAP and the local Crash Rescue/Evacuation Plan.

Ordering Supplies for Aerial Delivery

Orders go through Division Sups to Communications to Supply. **The preferred method of aerial delivery to helispots is INTERNAL.** Loads going to approved helispots should go internal & not in a sling due to added risk/exposure to air crews.

Operations Recons

Communications with Operations and Division Supervisors during Recons should be conducted on Tactical Channels so as not to interfere with other Tactical Missions on the Incident.

Aircraft Demobe Information

A-17	2000 7-30-2010
A-25	2000 7-30-2010

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 4	TYPE OF FIRE: Wildfire
FIRE NAME: Constantia Complex	OPERATIONAL PERIOD: 6:00-20:00 July 30, 2010
DATE ISSUED: July 29, 2010	TIME ISSUED: 20:00
UNIT: Carson City District/Plumas NF	SIGNED: Myron Hotinger (FBAN) Joe Adamski (FBANt)

INPUTS

WEATHER SUMMARY: (See attached IMET Weather Forecast)

Friday: A drier southwest flow has moved over the fire area and will continue for the next several days. Warmer and drier today. Down slope eye level gusts to 20 mph in the afternoon. Minimum RH 8 – 12%.

FUELS:

Grass/Shrub/Timber Fuel Model (FM2 with heavier bitterbrush shrub or GS2): Pine/mix conifer and oak forest with 1000 hour fuels are 6%. 10 hours fuel moistures are 3%; live sage-brush is 75%; Conifer live fuel moistures estimated to be in the 125% range; Probability of Ignition 70%

OUTPUTS

GENERAL FIRE BEHAVIOR:

Expected Fire Behavior: may see some internal smoldering fuels and smokes greater than 500 feet from the perimeter.

ERC today is projected to be 88. Large fires in this area happen above an ERC of 83.

ERC's and fuels are now in season for large fire growth potential. Fire spread may be extremely rapid.

Remember there is a LOCAL WIND CONDITION that draws cooler air from the higher slopes into the dry lake basin to the north that can cause stronger down slope winds in the afternoon and possible northerly winds in the evening.

SPECIFIC FIRE BEHAVIOR:

Expect low fire behavior with minimal internal activity.

IA: Higher ERCs and low fuel moistures can cause active fire behavior on initial attack.

AIR OPERATIONS:

Watch out for down slope afternoon winds gusting to 20 mph that may shift to northerly gusts in the evening.

SAFETY

For assignment to other incidents, be heads up for fast rates of spread with extreme fire behavior.

Maintain LCES. Lookouts, Communication, Escape Routes, Safety Zones.



SAFETY MESSAGE

SAFETY IS OUR FIRST PRIORITY



Lookouts Communications Escape Routes Safety Zones

Make Sure LCES Is In Place

Each firefighter must know the interconnection of LCES - lookouts, communications, escape routes, and safety zones. LCES should be established before fighting the fire: Select lookouts, set up a communications plan, choose escape routes, and select safety zones.

MAJOR HAZARDS AND RISKS

Heavy traffic on US 395
 Wear appropriate PPE (AT ALL TIMES)
 Steep slopes, rolling material – watch footing
 Driving – seatbelts/headlights on/flashers
 Dehydration – drink plenty of fluids

Hotter and drier
 Be aware of spectators along US 395
 Stay away from power lines – they are charged
 Vehicle Safety—use spotter when backing vehicles
 Personal Hygiene—wash your hands!

FIRELINE SAFETY--Line Crews Will Continue Mop-Up and Line Rehab

- Continue to be aware of and watch for changes in weather—thunder cells, erratic winds, and lightning.
- Watch for stump holes.
- Be prepared for blowing ash—eye protection
- Lift with your legs, not your back.
- Watch spacing, watch your footing, pace yourselves, take adequate rest periods.
- Assess crew needs and take care of preventative and remedial needs.
- Avoid horseplay. Keep your head up and maintain your working distance
- Don't get in a hurry.



CAMP BREAK-DOWN

Remember, camp safety is every bit as important as fireline safety.

- | | |
|---|--|
| <ul style="list-style-type: none"> • Don't approve unsafe acts by looking the other way. Correct every person you see acting unsafely. • Prepare contingency plans. Know the right things to do in case of injury. Be aware of potential hazards. • Use a spotter when backing vehicles • Watch for tripping hazards (extension cords, boxes, etc.) • Ensure that camp crews are properly supervised. • Use mechanical devices to help lift and move materials. | <ul style="list-style-type: none"> • Lift with your legs, not your back. Better yet, get help to lift heavy objects • Wear gloves when using hand tools. • When working on a ladder, have a person steady it. • Use caution when taking down tent flies. • Drink plenty of fluids (1 qt/hr); ensure adequate replacement of water supplies • Pace work; allow frequent periods of rest in shade, if possible |
|---|--|

INCIDENT DRIVING

- Been there, done that? **Don't take the dangers of driving for granted.** Keep alert to hazards—no matter how experienced you are at driving. "Watch Outs" include: narrow, windy one-lane roads; heavy highway traffic; ATVs; wildlife; limited sight distance; adverse weather; foliage; dust, smoke, and ambient light; driver distractions; extended fatigue.
- **Obey posted speed limits.** Watch out for deer and livestock. **SLOW DOWN**, do not over-drive mountain roads, turn on headlights, use compression, maintain spacing, check brakes, clean windshields, watch backing and use a spotter when available. Use caution on narrow, limited sight distance access roads. Buckle up! Keep windshields clean.
- Drive defensively. Be alert for non-incident traffic. Yield to local pedestrian and be courteous to other drivers.
- Personnel and loose tools are not transported together. Make daily mechanical checks of vehicle before driving.
- Reduce speed during night driving on windy mountain roads.
- The use of both hand held and "hands-free" cellular telephones is prohibited while driving.



DIV	TACTICAL WATCHOUTS	LCES HAZARD CONTROL ** Denotes Common Denominator of Tragedy Fires
All	Multiple Aircraft	<ul style="list-style-type: none"> ▪ Air Operations ensures that all incident aviation personnel are briefed on daily tactics, planned use, and safety hazards ▪ Maintain positive direction between Air Attack, lead plane pilot, assigned aircraft, and ground operations ▪ If confusion or conflicting priorities develop, STOP operations, until they can be safely continued
All	Bucket Drops	<ul style="list-style-type: none"> ▪ Ensure clear air-ground communications ▪ Stay clear of flight zones and drop areas. Keep heads up for snags and hazard trees. ▪ Watch out for rotor wash or air tanker turbulence and potentially erratic fire behavior
	Wildland-Urban	<ul style="list-style-type: none"> ▪ Cooperate with the Sheriff's office in conducting information exchange with local communities ▪ Determine accessibility and need for traffic controls. Sign bridges with load limits information. ▪ Remove natural fuels within 30 feet of structures. Evacuate local citizens, livestock, pets, etc. ▪ Identify and make aware of powerlines, poles, etc. Identify and make aware of propane and above ground fuel tanks. ▪ Assess available water supplies
All	RH<25% Temps >85F Direct Sun Dead/Dying Fuels Winds>10MPH**	<ul style="list-style-type: none"> ▪ Watch potential for torching, spotting, re-burn, and erratic,extreme fire behavior ▪ Staff dedicated lookouts at pre-identified vantage points ▪ Take hourly weather observations over command frequency ▪ Establish effective radio repeaters to reach all divisions. Confirm radio frequencies ▪ Consider vegetation and terrain and flag and time multiple escape routes ▪ Improve/construct safety zones
All	Slopes>50% Rolling Rocks	<ul style="list-style-type: none"> ▪ Identify chimneys, gullies, and/or steep slopes in work area ▪ Post lookouts, issue warnings. ▪ Improve/construct, Identify safe routes, flag/time escape routes and safety zones ▪ Identify, flag, avoid rock hazards. Keep crews from below known hazard areas ▪ Wear proper and good condition fire boots to avoid slips and falls. ▪ Make sure you go slowly, watch your step, and maintain 10 feet spacing. Always carry tools on the downhill side.
All	Dehydration Heat Stress	<ul style="list-style-type: none"> ▪ Drink plenty of fluids (1 qt/hr); some gatorade-but not too much; ensure adequate replacement of water supplies. ▪ Pace work; allow frequent periods of rest in shade, if possible. Limit shift lengths
B,W,U	Snags	<ul style="list-style-type: none"> ▪ Stay alert for strong winds, steep slopes, bug-kill, air operations turbulence, vibrations from heavy equipment, use of explosives, rot or shallow-rooted trees ▪ Scout, identify and flag hazards, fell dangerous trees near the line ▪ Do go/no go assessment prior to falling ▪ Post lookouts, assess trees in work areas, issue daily warnings
B,W,U	Air Support Dependent	<ul style="list-style-type: none"> ▪ Staff dedicated lookouts at pre-identified vantage points ▪ Staff aerial lookout. During major threatening activity, assess and provide direction ▪ Do go/no go assessment for ground operations. Ensure that firefighter safety is not compromised

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

MEDICAL PLAN	1. INCIDENT NAME CONSTANTIA COMP	2. DATE PREPARED July 29, 2010	3. TIME PREPARED 2030	4. OPERATIONAL PERIOD July 30, 2010 0600-2200				
	5. INCIDENT MEDICAL AID STATIONS							
MEDICAL AID STATIONS		LOCATION			PARAMEDICS			
					YES	NO		
CAMP		ICP			X			
DIVISION U SPIKE		DIVISION U CAMP			X			
6. TRANSPORTATION								
A. AMBULANCE SERVICES								
NAME		ADDRESS		PHONE	PARAMEDICS			
					YES	NO		
MINDON DISPATCH				775-782-1405				
B. INCIDENT AMBULANCES								
NAME		LOCATION			PARAMEDICS			
					YES	NO		
7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
RENOWN MED. CENTER	Reno, NV 39 31 34 x 119 49 03		1.0 Hrs	775-982-4100	X			X
UMC BURN CENTER	Las Vegas, NV 36 09 35 x 115 09 59			800-824-2073	X		X	
UC DAVIS MED CENTER	Sacramento, California 38 33 17 x 121 27 21			916-734-2011	X		X	
8. MEDICAL EMERGENCY PROCEDURES								
<p>Upon occurrence of a “MAJOR” medical or accident involving significant injury on the fireline. The nearest fireline Supervisor or Leader will be in charge. Clear all radio traffic on incident “Command Channel” – use to coordinate response – do <u>not</u> use names.</p> <ul style="list-style-type: none"> o Obtain and facilitate nearest EMT’s to the scene, request medical unit response – DIVS in charge of scene. o Coordinate and facilitate appropriate transportation for injured with Medical Unit – EMT in charge of patient(s). o Nature of problem: # injured; Condition and Vitals; Location (GPS Coordinates) o Remove all unnecessary personnel from the accident scene – notify SOFR. o Secure the scene area and identify witnesses for later investigation – keep a log. o Use emergency form on back of medical plan to report to communications. <p style="text-align: center;">Life safety is the Number 1 Priority on this Incident</p>								
9. PREPARED BY (MEDICAL UNIT LEADER)								
ICS 206 8-78	DEBRA LOPEZ			10. REVIEWED BY (SAFETY OFFICER)				
				KEN MOORE				

COMMUNICATION FOR INJURY/MEDICAL EMERGENCY

Do not use the name of the Injured individual over the radio. In the event of a minor injury, so state when relaying the information so a false sense of urgency is not. The Medical Unit Leader is to be notified in all injury situations.

Date: _____ Time: _____ Division _____

Location: _____

On Scene Point of Contact (Name & Position): _____ Radio Frequency _____

Medical personnel on site (name) _____

Type of Injury: _____

Sex _____ Age _____

Medical Injury _____ or Illness _____ Life Threatening Yes _____ No _____

Patient Condition- Critical _____ Serious _____ Minor _____ Conscious Yes _____ No _____

Additional medical equipment or personnel needed? (Type and Quantity) _____

Is air transportation needed: Yes _____ No _____ Can Patient sit up Yes _____ No _____ Weight _____

Location LAT _____ LONG _____ Drop Point _____

Patient Home Unit _____ Agency _____

Assessment BP _____ Pulse _____ Level of Consciousness _____ Skin _____

Difficulty Breathing Yes _____ No _____

On going Assessment- Document as they occur – on Scene personnel,



TRAINING MESSAGE

“If Prometheus was worthy of the wrath of heaven for kindling the first fire upon earth, how ought all the gods honor the men who make it their mission to put it out?”

...John Godfrey Saxe

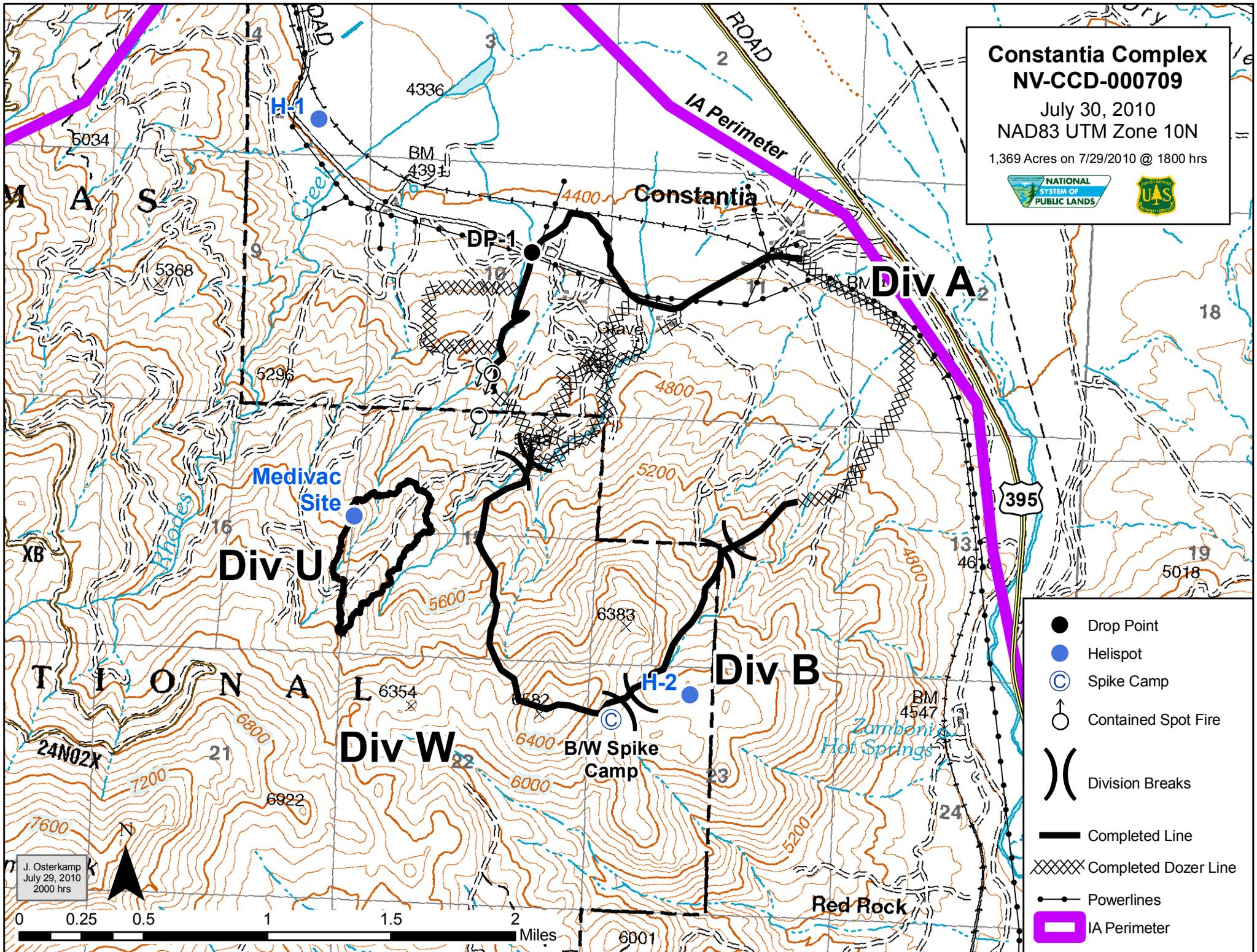
KUDOs to our FIREFIGHTERS!!!

Don't forget to stop by the Training Office before you leave this incident ~ bring your Position Taskbook and your trainer.

I'm on the Constantia Complex with you so I can help document your training accomplishments and answer questions regarding your future training goals in the wildland firefighting arena. 'Look forward to seeing you soon!

Lynn Cook
Training Officer

Constantia Complex
NV-CCD-000709
 July 30, 2010
 NAD83 UTM Zone 10N
 1,369 Acres on 7/29/2010 @ 1800 hrs

-  Drop Point
-  Helispot
-  Spike Camp
-  Contained Spot Fire
-  Division Breaks
-  Completed Line
-  Completed Dozer Line
-  Powerlines
-  IA Perimeter

J. Osterkamp
 July 29, 2010
 2000 hrs