National Interagency Coordination Center Incident Management Situation Report Monday, July 18, 2016 – 0530 MT National Preparedness Level 2

National Fire Activity

Initial attack activity:	Light (131 new fires)
New large incidents:	14
Large fires contained:	0
Uncontained large fires:**	10
Area Command Teams Committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	5

^{**}Uncontained large fires include only fires being managed under a full suppression strategy.

Rocky Mountain (PL 3)

New fires:	7
New large incidents:	1
Uncontained large fires:	2
Type 1 IMTs Committed:	1
Type 2 IMTs Committed:	2

Indian Canyon, South Dakota Wildland Fire Suppression, DOF. IMT 1 (Pechota). Six miles southeast of Edgemont, SD. Timber and short grass. Extreme fire behavior with running, torching and short-range spotting. Numerous structures threatened. Evacuations and road closures in effect.

Lava Mountain, Shoshone NF. IMT 2 (Connell). Twenty miles northwest of Dubois, WY. Timber and heavy logging slash. Moderate fire behavior with single and group tree torching. Numerous structures threatened.

Hayden Pass, Pike & San Isabel NF. IMT 2 (Esperance). Twenty miles southeast of Salida, CO. Timber, heavy logging slash and chaparral. Minimal fire behavior with isolated torching and creeping. Numerous structures threatened. Evacuations, road, area and trail closures in effect.

Beaver Creek, Routt NF. Previously reported incident. Twenty-four miles northwest of Walden, CO. Timber and brush. Active fire behavior with short crown runs, group torching and short-range spotting. Numerous structures threatened. Evacuations, road, area and trail closures in effect. Last report unless significant activity occurs.

Blair, White River Field Office, BLM. Thirty miles west of Meeker, CO. Brush and short grass. Minimal fire behavior. Last report unless significant activity occurs.

^{*} Rock, Nebraska NF. Fifteen miles southeast of Ardmore, NE. Tall grass. Minimal fire behavior.

Incident Name	Unit	Siz	<u>ze</u>	%	Ctn/	Est	Pers	onnel	R	esourc	es	Strc	\$\$	Origin
moident Name	Offic	Acres	Chge	Comp	LSt	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own	
Indian Canyon	SD-SDS	12,000	6,000	0	Ctn	7/25	222	127	0	67	0	2	300K	ST
Lava Mountain	WY-SHF	220	0	0	Comp	9/1	98	42	3	2	3	0	115K	FS
Hayden Pass	CO-PSF	16,350	146	30	Comp	10/1	908	92	21	20	7	1	4.8M	FS
Beaver Creek	CO-RTF	22,885	1,007	5	Comp	10/21	287	-27	4	24	2	6	11.1M	FS
Blair	CO-WRD	1,140	0	70	Comp	7/22	101	-7	4	2	0	0	351K	BLM

Link to Geographic Area daily reports.

Incident Name	Unit			%	Ctn/	Est	Perso	onnel	Re	esource	es	Strc	\$\$	Origin
moldent Name	Offic	Acres	Chge	Q	Comp	230	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
* Rock	NE-NBF	309		99	Ctn	7/19	3		0	1	0	0	10K	FS

Southwest Area (PL 3)

New fires:	14
New large incidents:	0
Uncontained large fires:	2
Type 2 IMTs committed:	1

Fuller, Grand Canyon NP. IMT 2 (Sinclair). Four miles northeast of North Rim, AZ. Timber and medium logging slash. Extreme fire behavior with wind-driven runs. Road, area and trail closures in effect.

West Baldy, Roswell Field Office, BLM. Twenty miles west of Roswell, NM. Brush and grass. Moderate fire behavior.

Colorado Peak, Arizona Tucson District, DOF. Fifteen miles northwest of Tubac, AZ. Brush and grass. Minimal fire behavior with running. Last report unless significant activity occurs.

Clavel, Las Vegas District, New Mexico State Forestry. Twenty miles northeast of Roy, NM. Brush and grass. Minimal fire behavior.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Perso	nnel	Re	esource	es	Strc	\$\$	Origin
incident Name	Offic	Acres	Chge	70	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Fuller	AZ-GCP	11,382	5,442	0	Comp	10/1	554	43	14	25	5	0	2.7M	NPS
West Baldy	NM-ROD	422	0	90	Ctn	UNK	4	-24	0	1	0	0	50K	BLM
Colorado Peak	AZ-A3S	1,050	250	70	Comp	7/24	23	-25	1	0	0	0	42K	ST
Clavel	NM-N4S	5,696	0	95	Ctn	UNK	5	0	0	2	0	0	29K	ST

Alaska Area (PL 2)

New fires:	8
New large incidents:	11
Uncontained large fires:	1
Type 2 IMTs committed:	1

Tok River, Tok Area Forestry, DOF. IMT 2 (Kurth). Seven miles south of Tok, AK. Timber, light logging slash and grass. Minimal fire behavior with single tree torching, creeping and smoldering. Structures threatened.

Reindeer River, Southwest Area Forestry, DOF. Previously reported incident. Started on BLM land 30 miles southeast of Flat, AK. Timber and grass. Moderate fire behavior. Last report unless significant activity occurs.

Israthorak Creek, Southwest Area Forestry, DOF. Previously reported incident. Started on FWS land 17 miles northwest of Tuluksak, AK. Timber and grass. Active fire behavior with running and creeping. Last report unless significant activity occurs.

High Creek, Galena Zone, BLM. Previously reported incident. Thirty-five miles northeast of Huslia, AK. Timber. Active fire behavior. Last report unless significant activity occurs.

* **Smith Creek**, Southwest Area Forestry, DOF. Nineteen miles northwest of Crooked Creek, AK. Timber and grass. Active fire behavior with running. Structures threatened. Last report unless significant activity occurs.

- * **Folger Creek**, Southwest Area Forestry, DOF. Twenty-eight miles northwest of McGrath, AK. Timber and grass. Active fire behavior. Last report unless significant activity occurs.
- * **Bogus Creek**, Southwest Area Forestry, DOF. Started on FWS land 15 miles southeast of Kalskag, AK. Grass. Moderate fire behavior with torching and creeping. Last report unless significant activity occurs.
- * **Doestock Creek**, Southwest Area Forestry, DOF. Six miles south of Chuathbaluk, AK. Timber and grass. Moderate fire behavior with torching, backing and creeping. Last report unless significant activity occurs.

Gweek River, Southwest Area Forestry, DOF. Previously reported incident. Started on BLM land 17 miles northeast of Akiachak, AK. Timber and grass. Moderate fire behavior with creeping. Last report unless significant activity occurs.

Owhat River 2, Southwest Area Forestry, DOF. Previously reported incident. Seven miles northwest of Aniak, AK. Timber and grass. Active fire behavior with running and creeping. Last report unless significant activity occurs.

- * **George River**, Southwest Area Forestry, DOF. Sixteen miles northwest of Red Devil, AK. Timber. Active fire behavior with group torching. Last report unless significant activity occurs.
- * Clearwater Creek, Southwest Area Forestry, DOF. Fifty-one miles northeast of McGrath, AK. Timber and grass. Active fire behavior with torching, flanking and backing. Last report unless significant activity occurs.
- * **Chicago Lakes**, Tanana Zone, BLM. Started on native corporation land eight miles northeast of Rampart, AK. Timber, brush and hardwood slash. Active fire behavior with torching, flanking and backing. Structures threatened. Last report unless significant activity occurs.
- * **Bear Creek**, Southwest Area Forestry, DOF. Started on BLM land 51 miles southeast of McGrath, AK. Timber. Active fire behavior with torching, flanking and backing. Structures threatened. Last report unless significant activity occurs.
- * **South Fork George River**, Southwest Area Forestry, DOF. Fourteen miles north of Red Devil, AK. Timber. Active fire behavior with torching and backing. Last report unless significant activity occurs.
- * **Big River**, Southwest Area Forestry, DOF. Twenty-seven miles northeast of Lime Village, AK. Timber. Moderate fire behavior with torching and creeping. Last report unless significant activity occurs.
- * **Pontag Creek**, Southwest Area Forestry, DOF. Seventy-five miles northwest of McGrath, AK. Timber and grass. Moderate fire behavior with backing and creeping. Last report unless significant activity occurs.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Pers	onnel	R	esourc	es	Strc	\$\$	Origin
incluent Name	Offic	Acres	Chge	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own	
Tok River	AK-TAS	731	3	18	Ctn	7/23	130	42	4	0	2	0	465K	ST
Reindeer River	AK-SWS	9,375	8,775	0	Comp	8/15	0	0	0	0	0	0	2K	BLM
Israthorak Creek	AK-SWS	8,000	7,500	0	Comp	8/15	0	0	0	0	0	0	4K	FWS
High Creek	AK-GAD	4,386	3,153	0	Comp	8/31	0	-10	0	0	0	0	50K	BLM
* Smith Creek	AK-SWS	3,997		0	Comp	8/15	5		0	0	0	0	11K	ST
* Folger Creek	AK-SWS	3,216		0	Comp	8/15	0		0	0	0	0	NR	ST
* Bogus Creek	AK-SWS	3,084		0	Comp	8/15	0		0	0	0	0	2K	FWS

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Perso	onnel	R	esourc	es	Strc	\$\$	Origin
moident Name	Offic	Acres	Chge	70	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
* Doestock Creek	AK-SWS	1,209		0	Comp	8/15	5		0	0	0	0	9K	ST
Gweek River	AK-SWS	1,200	700	0	Comp	8/15	0	0	0	0	0	0	37K	BLM
Owhat River 2	AK-SWS	1,110	560	0	Comp	7/31	0	0	0	0	0	0	2K	ST
* George River	AK-SWS	858		0	Comp	7/31	8		1	0	0	0	409K	ST
* Clearwater Creek	AK-SWS	775		0	Comp	7/31	0		0	0	0	0	1K	ST
* Chicago Lakes	AK-TAD	750		0	Comp	10/1	11		0	0	0	0	36K	ANC
* Bear Creek	AK-SWS	598		0	Comp	7/31	4		0	0	0	0	31K	BLM
* South Fork George River	AK-SWS	527		0	Comp	7/31	0		0	0	0	0	1K	ST
* Big River	AK-SWS	300		0	Comp	7/31	0		0	0	0	0	1K	ST
* Pontag Creek	AK-SWS	300		0	Comp	7/31	0		0	0	0	0	1K	ST

Great Basin Area (PL 3)

New fires:7New large incidents:1Uncontained large fires:3Type 2 IMTs committed:1

Fleck, Sawtooth NF. Eighteen miles north of Fairfield, ID. Timber and grass. Active fire behavior. Residences threatened. Area closure in effect. Reduction in acreage due to more accurate mapping.

Wally, Elko District, BLM. Previously reported as the Winnebago incident. Five miles west of Oasis, NV. Timber, brush and tall grass. Active fire behavior with wind-driven runs, group torching and spotting. Structures and sage-grouse habitat threatened.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Perso	onnel	R	esourc	es	Strc	\$\$	Origin
modent Name	Offic	Acres	Chge	70	Comp	LSt	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
* Cliff Creek	WY-BTF	2,200		0	Ctn	UNK	0		0	0	0	1	100K	FS
Fleck	ID-STF	205	-295	50	Ctn	7/20	159	3	4	6	3	0	200K	FS
Wally	NV-EKD	1,556	856	40	Ctn	7/20	270	60	8	7	3	0	178K	BLM

Southern California Area (PL 3)

New fires: 28
New large incidents: 1
Uncontained large fires: 1

^{*} Cliff Creek, Bridger-Teton NF. IMT 2 (DeMasters). Fifteen miles east of Hoback, WY. Timber. Active fire behavior with crowning and wind-driven runs. Residences threatened. Road closures in effect.

^{*} **Spring**, Sierra NF. Seventeen miles south of Mammoth Lakes, CA. Timber and brush. Moderate fire behavior with single tree torching, creeping and smoldering. Road and trail closures in effect.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Perso	onnel	Re	esource	es	Strc	\$\$	Origin
moident Name	Offic	Acres	Chge	Q	Comp	230	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
* Spring	CA-SNF	174		80	Ctn	7/23	192		7	1	4	0	326K	FS

Southern Area (PL 2) New fires: 10 New large incidents: 0 Uncontained large fires: 1

Taylor, National Forests in Florida. Nine miles northeast of Sanderson, FL. Southern rough. Minimal fire behavior.

Ī	Incident Name	Unit	Siz	ze	%	Ctn/	Est	Personnel		Resources			Strc	\$\$	Origin
	modern Name	O I II	Acres	Chge	70	Comp	LSt	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
	Taylor	FL-FNF	880	0	80	Ctn	7/18	48	-7	1	2	1	0	100K	FS

Active Incident Resource Summary										
GACC	Fires	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel				
AICC	13	26,016	15	2	6	398				
NWCC	3	5,110	0	3	0	13				
ONCC	2	6,087	3	5	0	97				
oscc	6	11,623	18	17	11	579				
NRCC	4	5,679	3	12	1	140				
GBCC	7	6,510	22	22	10	761				
SWCC	20	101,755	25	48	7	943				
RMCC	10	54,597	32	152	12	1,666				
EACC	0	0	0	0	0	0				
SACC	14	24,901	3	30	4	234				
Total	79	242,278	121	291	51	4,831				

Fires and Acres Yesterday (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	6	0	0	2	0	8
Alaska Alea	ACRES	0	43,739	0	0	7,100	0	50,839
Northwest Area	FIRES	0	0	0	0	11	8	19
Northwest Alea	ACRES	0	0	0	0	38	3	41
Northern California Area	FIRES	1	0	0	0	26	4	31
Northern Camornia Area	ACRES	3	0	0	0	17	0	20
Southern California Area	FIRES	0	0	0	0	19	9	28
Southern Camornia Area	ACRES	0	0	0	0	9	0	9
Northern Rockies Area	FIRES	0	0	0	0	5	1	6
Northern Rockies Area	ACRES	0	0	0	0	0	0	0
Great Basin Area	FIRES	0	1	0	0	3	3	7
Gleat Basiii Alea	ACRES	0	1,156	0	0	4	1,002	2,162
Southwest Area	FIRES	3	1	0	0	5	5	14
Southwest Area	ACRES	1	2	0	0	3,016	1,383	4,402
Rocky Mountain Area	FIRES	0	1	0	1	3	2	7
Nocky Mountain Area	ACRES	0	5	0	0	31	35	71
Eastern Area	FIRES	0	0	0	0	0	1	1
Lastelli Alba	ACRES	0	0	0	0	0	0	0
Southern Area	FIRES	0	0	0	0	7	3	10
Southern Area	ACRES	0	0	0	0	13	6	19
TOTAL FIRES:		4	9	0	1	81	36	131
TOTAL ACRES:	4	44,902	0	0	10,228	2,429	57,563	

Fires and Acres Year-to-Date (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	172	0	0	314	6	492
Alaska Alea	ACRES	0	321,119	0	0	32,523	3	353,645
Northwest Area	FIRES	145	63	20	8	536	222	994
Northwest Alea	ACRES	2,751	38,416	147	0	4,005	883	46,202
Northern California Area	FIRES	65	5	0	20	1,290	183	1,563
Northern Camornia Area	ACRES	119	11	0	2	20,714	8,616	29,462
Southern California Area	FIRES	7	50	4	20	1,782	201	2,064
Southern California Area	ACRES	7	26,016	269	25	19,095	47,648	93,060
Northern Rockies Area	FIRES	474	42	8	6	604	143	1,277
Northern Rockies Area	ACRES	4,303	1,779	1,402	3	11,644	2,902	22,033
Great Basin Area	FIRES	11	319	5	22	305	182	844
Gleat Basili Alea	ACRES	16	117,731	3	23	38,240	7,005	163,018
Southwest Area	FIRES	504	161	7	37	696	589	1,994
Southwest Area	ACRES	14,261	65,271	5,251	17,592	92,517	215,176	410,068
Rocky Mountain Area	FIRES	470	171	10	12	591	221	1,475
Nocky Wouldan Area	ACRES	1,646	12,561	480	1,425	405,265	39,022	460,399
Eastern Area	FIRES	490	0	25	19	4,934	341	5,809
Edsterri Area	ACRES	1,906	0	1,087	910	29,984	7,110	40,997
Southern Area	FIRES	325	0	18	54	12,472	393	13,262
Southern Area	ACRES	132,673	0	128	27,567	857,059	35,808	1,053,235
TOTAL FIRES:		2,491	983	97	198	23,524	2,481	29,774
TOTAL ACRES:		157,682	582,904	8,767	47,547	1,511,046	364,173	2,672,119

Ten Year Average Fires (2006 – 2015 as of today)	41,263
Ten Year Average Acres (2006 – 2015 as of today)	3,351,628

Prescribed Fires and Acres Yesterday (by Ownership):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	0	0	0
Alaska Alea	ACRES	0	0	0	0	0	0	0
Northwest Area	FIRES	0	0	0	0	0	0	0
Northwest Alea	ACRES	0	0	0	0	0	0	0
Northern California Area	FIRES	0	0	0	0	0	0	0
Northern Camornia Area	ACRES	0	0	0	0	0	0	0
Southern California Area	FIRES	0	0	0	0	0	0	0
Southern Camornia Area	ACRES	0	0	0	0	0	0	0
Northern Rockies Area	FIRES	0	0	0	0	0	0	0
Northern Rockies Area	ACRES	0	0	0	0	0	0	0
Great Basin Area	FIRES	0	0	0	0	0	0	0
Great basiii Area	ACRES	0	0	0	0	0	0	0
Southwest Area	FIRES	0	0	0	0	0	0	0
Southwest Alea	ACRES	0	0	0	0	0	0	0
Poolsy Mountain Area	FIRES	0	0	0	0	0	0	0
Rocky Mountain Area	ACRES	0	0	0	0	0	0	0
Eastern Area	FIRES	0	0	0	0	0	0	0
Eastelli Alea	ACRES	0	0	0	0	0	0	0
Couthorn Area	FIRES	0	0	0	0	3	0	3
Southern Area	ACRES	0	0	0	0	5	0	5
TOTAL FIRES:		0	0	0	0	3	0	3
TOTAL ACRES:		0	0	0	0	5	0	5

Prescribed Fires and Acres Year-to-Date (by Ownership):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	7	0	0	2	1	10
Alaska Alea	ACRES	0	31,664	0	0	1,566	38	33,268
Northwest Area	FIRES	7	21	6	0	0	149	183
Northwest Alea	ACRES	752	1,990	356	0	0	23,858	26,956
Northern California Area	FIRES	4	1	9	8	0	125	147
Northern Camornia Area	ACRES	41	90	3,356	328	0	8,244	12,059
Southern California Area	FIRES	0	5	3	1	0	136	145
Southern Camornia Area	ACRES	0	71	288	760	0	3,587	4,706
Northern Rockies Area	FIRES	12	12	53	11	14	149	251
Notthern Nockies Alea	ACRES	5,316	4,358	12,318	651	698	14,894	38,235
Great Basin Area	FIRES	4	23	6	5	36	73	147
Gleat Basiii Alea	ACRES	110	2,296	3,584	128	915	25,780	32,813
Southwest Area	FIRES	8	30	3	8	1	103	153
Southwest Area	ACRES	894	22,071	92	2,331	2	62,524	87,914
Rocky Mountain Area	FIRES	15	32	57	24	76	69	273
Nocky Mountain Area	ACRES	1,266	2,848	26,221	10,952	4,482	27,771	73,540
Eastern Area	FIRES	46	0	347	23	891	180	1,487
Eastern Area	ACRES	45,655	0	50,823	5,774	61,229	56,090	219,571
Southern Area	FIRES	16	0	176	65	9,814	907	10,978
Southern Area	ACRES	1,615	0	157,938	51,546	663,319	829,043	1,703,461
TOTAL FIRES:		112	131	660	145	10,834	1,892	13,774
TOTAL ACRES:		55,649	65,388	254,976	72,470	732,211	1,051,829	2,232,523

^{***} Changes in some agency YTD acres reflect more accurate mapping or reporting adjustments. ***

Additional wildfire information is available through the Geographic Areas at http://gacc.nifc.gov/

Canada Fires and Hectares

PROVINCES	FIRES	HECTARES	FIRES	HECTARES	
	YESTERDAY	YESTERDAY	YEAR-TO-DATE	YEAR-TO-DATE	
BRITISH COLUMBIA	0	0	517	93,202	
YUKON TERRITORY	1	0	41	16,148	
ALBERTA	3	207	1,032	608,789	
NORTHWEST					
TERRITORY	0	0	149	99,251	
SASKATCHEWAN	1	0	317	147,432	
MANITOBA	0	0	168	30,902	
ONTARIO	0	0	387	86,389	
QUEBEC	2	0	442	10,787	
NEWFOUNDLAND	2	11	68	648	
NEW BRUNSWICK	0	0	233	264	
NOVA SCOTIA	0	0	204	343	
PRINCE EDWARD					
ISLAND	0	0	6	19	
NATIONAL PARKS	0	10	39	5,516	
TOTALS	9	229	3,603	1,099,691	

^{* 1} Hectare = 2.47 Acres

Predictive Services Discussion: A strong low will continue along the northwestern coast while a strong ridge settles over the central U.S. Strong southwesterly to southerly winds will continue across the Interior West. Scattered thunderstorms will move across the Southwest and into the Great Basin. Widely scattered showers and a few thunderstorms will move into the Northwest and the northern Rockies. Showers and thunderstorms will move along a cold front through the Midwest and New England. Scattered afternoon thunderstorms will form over the much of the Southeast. Hot weather will continue across the southern third of the country and extend well into the central and northern Plains. Mild conditions will continue across the Northwest and the Upper Midwest. In Alaska, rain and showers will spread into the Interior. Isolated thunderstorms will develop in the southern parts of the state. Temperatures will continue to cool across the state with the warmest conditions in the south.

http://www.predictiveservices.nifc.gov/outlooks/outlooks.htm



HELICOPTER PERFORMANCE

Aviation Category

Certain helicopter missions push the limits of the aircraft's performance capabilities. Items that reduce the effectiveness and increase the risk of the mission include weight, temperature, altitude, and visibility.

- Helicopter missions that transport external loads increase risk.
- Helicopters performance/lift capabilities decrease as temperature and/or altitude increase. Be watchful of conditions that are High, Hot and Heavy!
- All helicopters have different maximum performance capabilities, so be aware of the capabilities of the specific helicopter that you are working with.
- Low-level helicopter operations often occur in heavy smoke where hazards (e.g., trees, snags, antennas, visibility, turbulence, and other aircraft) increase the risk level significantly.
- Determine the risk level for every mission. Is the risk level acceptable? Can the risk be mitigated? If the risk is not acceptable or it cannot be mitigated, then the mission should not be flown.
- A large part of the success of a helicopter mission is the result of good communications between the pilot and the user on the ground.
- Accurate target and hazard descriptions are essential to a safe mission. Locate this information and relay it to the pilot. Things to consider in the target description include:
- Have you considered what the target would look like from the air?
- Are you located where the pilot can see you?
- Do you have a signal mirror?
- Are you using cardinal directions or clock directions in relation to the track of the aircraft?
- What is the wind direction? Provide this information to the pilot.
- Are all firefighters clear of the drop area?
- Is there a safer way to carry out an effective suppression action?

Activity: If available, have a pilot explain how the load calculation is done and the effects of density altitude on the aircrafts' capability and allowable.

References: Incident Response Pocket Guide Interagency Helicopter Operations Guide (IHOG)