### National Interagency Coordination Center Incident Management Situation Report Sunday, July 19, 2015 - 0530 MT National Preparedness Level 2

### **National Fire Activity**

Initial attack activity:	Light (139 new fires)
New large incidents:	4
Large fires contained:	0
Uncontained large fires: **	5
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	4

<sup>\*\*</sup> Uncontained large fires include only fires being managed under a full suppression strategy.

Link to Geographic Area daily reports.

Three wildland fire suppression crews and seven fireline management personnel are assigned to support large fires in Alberta, Canada. Two wildland fire suppression crews and twenty-four fireline management personnel are assigned to support large fires in Saskatchewan, Canada. Additionally, several states are supporting Canada through interstate forest fire compacts.

#### Alaska Area (PL 3)

New fires:	4
New large incidents:	2
Uncontained large fires:	1
Type 2 IMTs committed:	3

**Tanana Area Fires (5 fires)**, Tanana Zone, BLM. IMT 2 (Grant). Started on native corporation land seven miles northeast of Tanana, AK. Timber. Minimal fire behavior with creeping and smoldering. Numerous structures threatened. Evacuations in effect.

**Aggie Creek**, Fairbanks Area Forestry, DOF. IMT 2 (Nieto). Thirty miles northwest of Fairbanks, AK. Timber. Minimal fire behavior with creeping and smoldering. Numerous structures threatened. Precipitation occurred over the fire area yesterday.

**Aniak Complex (4 fires)**, Southwest Area Forestry, DOF. One mile east of Aniak, AK. Timber. Minimal fire behavior.

**Baker**, Tanana Zone, BLM. Transfer of command from IMT 2 (Greer) back to the local unit will occur today. IMT is also managing the Hay Slough fire. Started on state land four miles southwest of Eureka, AK. Timber. Minimal fire behavior with creeping. Precipitation occurred over the fire area yesterday.

**Hay Slough**, Tanana Zone, BLM. Fourteen miles southeast of Tanana, AK. Timber. Minimal fire behavior with smoldering. Structures threatened. Precipitation occurred over the fire area yesterday.

**Rex Complex (2 fires)**, Fairbanks Area Forestry, DOF. Started on private land seven miles southeast of Clear, AK. Timber. Minimal fire behavior with creeping and smoldering. Structures threatened. Precipitation occurred over the fire area yesterday.

**Tetlin Hills**, Tok Area Forestry, DOF. Eight miles southeast of Tok, AK. Timber. Moderate fire behavior with spotting, backing and smoldering.

**Long Lake**, Tok Area Forestry, DOF. Started on BIA land two miles east of Northway, AK. Timber. Active fire behavior with torching and wind-driven runs. Structures threatened.

**Rock**, Tanana Zone, BLM. Started on native corporation land nine miles southeast of Hughes, AK. Timber. Minimal fire behavior with smoldering. Numerous structures threatened. Precipitation occurred over the fire area yesterday.

**Sushgitit Hills**, Tanana Zone, BLM. Previously reported incident. Thirty-two miles east of Hughes, AK. Closed timber litter and short grass. Active fire behavior with single tree torching, creeping and smoldering. Structures threatened. Last report unless significant activity occurs.

**Holtnakatna**, Galena Zone, BLM. Previously reported incident. Started on FWS land 36 miles south of Huslia, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

**West Fork**, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land three miles east of Minto, AK. Closed timber litter. Minimal fire behavior with creeping and smoldering. Last report unless significant activity occurs.

**Hardpac Creek**, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land 54 miles northwest of Beaver, AK. Closed timber litter. Minimal fire behavior with backing, creeping and smoldering. Last report unless significant activity occurs.

**Lloyd**, Tanana Zone, BLM. Previously reported incident. Started on state land 35 miles south of Tanana, AK. Closed timber litter. Structures threatened. Minimal fire behavior with creeping and smoldering. Last report unless significant activity occurs.

**Stuyahok River**, Galena Zone, BLM. Previously reported incident. Thirty-seven miles southwest of Anvik, AK. Timber. Minimal fire behavior with smoldering. Last report unless significant activity occurs.

**Hamlin Creek**, Upper Yukon Zone, BLM. Previously reported incident. Eight miles south of Stevens Village, AK. Timber and closed timber litter. Moderate fire behavior with backing, creeping and smoldering. Last report unless significant activity occurs.

**Illinois Mine**, Galena Zone, BLM. Previously reported incident. Started on state land 34 miles southeast of Kaltag, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

**Koyuk**, Galena Zone, BLM. Previously reported incident. Twenty-two miles northwest of Koyuk, AK. Short grass. Minimal fire behavior. Last report unless significant activity occurs.

**Mt Schwatka**, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land 30 miles south of Beaver, AK. Timber and closed timber litter. Minimal fire behavior with backing, creeping and smoldering. Last report unless significant activity occurs.

\* **Iditarod River #2**, Southwest Area Forestry, DOF. Started on BLM land 27 miles west of Crooked Creek, AK. Short grass. Minimal fire behavior. Last report unless significant activity occurs.

**Little Mud River**, Galena Zone, BLM. Previously reported incident. Started on FWS land 45 miles southeast of Kaltag, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

**Wapoo**, Galena Zone, BLM. Previously reported incident. Started on FWS land 52 miles southeast of Kaltag, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

**Innoko River**, Galena Zone, BLM. Previously reported incident. Started on FWS land 120 miles southeast of Unalakleet, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

**Melogitna**, Galena Zone, BLM. Previously reported incident. Started on state land 43 miles northeast of Ruby, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

**Willow Creek**, Upper Yukon Zone, BLM. Previously reported incident. Thirty-eight miles northeast of Livengood, AK. Timber and closed timber litter. Minimal fire behavior with backing, creeping and smoldering. Last report unless significant activity occurs.

**Scow Harry # 2**, Southwest Area Forestry, DOF. Previously reported incident. Started on BIA land 16 miles northeast of Medfra, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

**Ketlkede 3**, Galena Zone, BLM. Previously reported incident. Started on state land 28 miles south of Galena, AK. Hardwood litter. Minimal fire behavior. Last report unless significant activity occurs.

**Poorman Creek**, Galena Zone, BLM. Previously reported incident. Started on state land 14 miles southwest of Poorman, AK. Timber. Minimal fire behavior. Last report unless significant activity occurs.

\* **Chilchukabena**, Tanana Zone, BLM. Twenty-seven miles southeast of Lake Minchumina, AK. Timber. Minimal fire behavior with creeping and smoldering. Last report unless significant activity occurs.

Incident	Unit	Si	ze	%	Ctn /	Est	Perso	onnel	Res	ource	s	Strc	\$\$ CTD	Origin
Name	Offic	Acres	Chge	70	Comp	ESI	Total	Chge	Crews	Eng	Heli	Lost	33 CID	Own
Tanana Area Fires	AK-TAD	484,948	0	1	Comp	NR	306	-25	7	0	2	0	9.5M	TRI
Aggie Creek	AK-FAS	31,705	500	55	Comp	NR	328	0	8	3	3	0	10.7M	ST
Aniak Complex	AK-SWS	155,072	0	8	Comp	NR	162	-14	5	0	3	0	6.3M	ST
Baker	AK-TAD	26,130	0	95	Comp	NR	181	-39	5	1	3	0	3.7M	ST
Hay Slough	AK-TAD	89,747	0	90	Comp	NR	18	0	1	2	0	0	205K	BLM
Rex Complex	AK-FAS	16,057	0	70	Comp	NR	286	4	11	2	3	8	13M	PRI
Tetlin Hills	AK-TAS	1,878	0	80	Ctn	7/22	139	17	4	0	1	0	6M	ST
Long Lake	AK-TAS	23,430	0	27	Comp	7/25	147	0	6	1	2	0	4.3M	BIA
Rock	AK-TAD	74,261	0	0	Comp	NR	44	-1	2	0	0	0	436K	TRI
Sushgitit Hills	AK-TAD	209,184	184,640	0	Comp	NR	0	0	0	0	0	0	10K	BLM
Holtnakatna	AK-GAD	198,133	96,834	0	Comp	NR	0	-2	0	0	0	0	1K	FWS
West Fork	AK-UYD	66,593	38,749	0	Comp	NR	0	0	0	0	0	0	2K	FWS

Incident	1114	Si	ze	0/	Ctn /	F-4	Perso	onnel	Res	ource	s	Strc	\$\$ CTD	Origin
Name	Unit	Acres	Chge	%	Comp	Est	Total	Chge	Crews	Eng	Heli	Lost	\$\$ CID	Own
Hardpac Creek	AK-UYD	66,107	30,327	0	Comp	NR	0	0	0	0	0	0	1K	FWS
Lloyd	AK-TAD	65,321	19,495	0	Comp	NR	54	-11	3	0	0	0	340K	ST
Stuyahok River	AK-GAD	28,866	2,190	0	Comp	NR	0	0	0	0	0	0	1K	BLM
Hamlin Creek	AK-UYD	27,607	18,007	0	Comp	NR	1	0	0	0	0	0	1K	BLM
Illinois Mine	AK-GAD	25,938	10,938	0	Comp	NR	0	0	0	0	0	0	1K	ST
Koyuk	AK-GAD	24,026	22,226	0	Comp	NR	0	0	0	0	0	0	1K	BLM
Mt Schwatka	AK-UYD	11,674	9,417	0	Comp	NR	0	0	0	0	0	0	2K	FWS
* Iditarod River #2	AK-SWS	11,057		0	Comp	NR	0		0	0	0	0	2K	BLM
Little Mud River	AK-GAD	10,025	4,526	0	Comp	NR	0	0	0	0	0	0	1K	FWS
Wapoo	AK-GAD	9,784	7,084	0	Comp	NR	0	0	0	0	0	0	1K	FWS
Innoko River	AK-GAD	9,083	25,095	0	Comp	NR	0	0	0	0	0	0	1K	FWS
Melogitna	AK-GAD	8,708	1,565	0	Comp	NR	0	0	0	0	0	0	1K	ST
Willow Creek	AK-UYD	4,785	1,900	0	Comp	NR	0	0	0	0	0	0	2K	BLM
Scow Harry # 2.	AK-SWS	4,250	2,108	0	Comp	NR	0	0	0	0	0	0	1K	BIA
Ketlkede 3	AK-GAD	3,182	1,182	0	Comp	NR	0	0	0	0	0	0	1K	ST
Poorman Creek	AK-GAD	3,147	1,648	0	Comp	NR	0	0	0	0	0	0	1K	ST
* Chilchuk- abena	AK-TAD	361		0	Comp	NR	0		0	0	0	0	1K	BLM

#### Northwest Area (PL 2)

New fires: 21
New large incidents: 0
Uncontained large fires: 2
Type 1 IMTs committed: 1

**Newby Lake**, Okanogan-Wenatchee NF. IMT 1 (Lewis). Twelve miles northwest of Loomis, WA. Timber. Minimal fire behavior with isolated torching, creeping and smoldering. Road, area and trail closures in effect.

**Mt Adams Complex**, Gifford Pinchot NF. Fifteen miles northwest of Trout Lake, WA. Timber and closed timber litter. Minimal fire behavior with creeping and smoldering. Area and trail closures in effect. Last report unless significant activity occurs.

**Corner Creek**, Ochoco NF. Eleven miles south of Dayville, OR. Timber, light logging slash and short grass. Moderate fire behavior with backing, creeping and smoldering. Structures and sage-grouse habitat threatened. Road and area closures in effect.

**Outlaw Draw**, Spokane District, BLM. Eighteen miles east of Waterville, WA. Brush. Minimal fire behavior. Sage-grouse habitat threatened.

Incident	Unit	Si	ze	- %   ····   Fst		Perso	onnel	Reso	ource	es	Strc	\$\$ CTD	Origin	
Name	Offic	Acres	Chge	70	Comp	ESI	Total	Chge	Crews	Eng	Heli	Lost	33 CID	Own
Newby Lake	WA-OWF	5,065	0	25	Comp	NR	458	-46	11	3	6	0	6.6M	FS
Mt Adams Complex	WA-GPF	405	0	89	Comp	11/01	47	-112	2	0	2	0	4.6M	FS
Corner Creek	OR-OCF	29,657	250	90	Ctn	NR	168	44	3	9	2	1	12.3M	FS
Outlaw Draw	WA-SPD	2,300	0	90	Ctn	NR	50	-20	1	8	0	0	150K	BLM

### Southern California Area (PL 2)

New fires:42New large incidents:1Uncontained large fires:2Type 2 IMTs committed:1

**North**, San Bernardino NF. IMT2 (Wakoski). Fifteen miles southwest of Victorville, CA. Chaparral, tall grass and short grass. Minimal fire behavior with smoldering. Numerous structures threatened. Evacuations, road and area closures in effect. Precipitation occurred over the fire area yesterday.

\* **Pines**, Angeles NF. Five miles southwest of Pinon Hills, CA. Timber. Minimal fire behavior. Precipitation occurred over the fire area yesterday.

Incident	Unit	Si	ze	o/ Ctn /		% Ctn /		% Ctn /		%   -		onnel	Resources			Strc	\$\$ CTD	Origin
Name	Ollit	Acres	Chge	/0	Comp	LSI	Total	Chge	Crews	Eng	Heli	Lost	99 CID	Own				
North	CA-BDF	3,500	0	45	Ctn	NR	835	835	26	59	0	0	1.1M	FS				
* Pines	CA-ANF	200		35	Ctn	7/19	0		0	0	0	0	NR	FS				

### **Great Basin Area (PL 2)**

New fires:30New large incidents:1Uncontained large fires:0

\* **High Meadow**, Arizona Strip Field Office, BLM. Seventy miles southeast of St. George, UT. Timber. Active fire behavior with backing. Last report unless significant activity occurs.

Incident	Unit	Si	ze	%	Ctn / Est		Personnel		Resources			Strc	\$\$ CTD	Origin
Name	Onit	Acres	Chge	70	Comp	ESI	Total	Chge	Crews	Eng	Heli	Lost	39 CID	Own
* High Meadow	AZ-ASD	190		0	Comp	NR	82		2	3	0	0	200K	BLM

Active	Incid	ent Resource Si	ummar	у		
GACC	Fires	<b>Cumulative Acres</b>	Crews	Engines	Helicopters	Total Personnel
AKCC	59	2,243,418	67	10	23	2,013
NWCC	14	64,881	24	37	13	1,046
ONCC	0	0	0	0	0	0
oscc	5	35,368	40	67	3	1,211
NRCC	11	13,371	11	24	3	452
GBCC	13	21,405	4	11	4	198
SWCC	6	43,464	3	5	0	103
RMCC	6	44	2	3	0	69
EACC	0	0	0	0	0	0
SACC	18	26,718	0	8	4	62
Total	132	2,448,672	151	165	50	5,154

## Fires and Acres Yesterday (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	1	0	0	3	0	4
Alaska Alea	ACRES	0	285	0	0	2	0	287
Northwest Area	FIRES	0	1	0	0	12	8	21
Northwest Alea	ACRES	0	0	0	0	23	11	34
Northern California Area	FIRES	0	4	0	0	15	4	23
Northern California Area	ACRES	0	1	0	0	30	0	31
Southern California Area	FIRES	0	2	0	0	23	17	42
Southern Camornia Area	ACRES	0	1	0	0	70	257	328
Northern Rockies Area	FIRES	0	0	0	0	3	1	4
Northern Rockies Area	ACRES	0	0	0	0	1	0	1
Great Basin Area	FIRES	0	15	0	1	7	7	30
Gleat basiii Alea	ACRES	0	34	0	0	0	0	34
Southwest Area	FIRES	0	1	0	0	2	2	5
Southwest Area	ACRES	0	13	0	0	0	0	13
Poolsy Mountain Area	FIRES	0	2	0	0	2	0	4
Rocky Mountain Area	ACRES	0	7	0	0	1	0	8
Eastern Area	FIRES	0	0	0	0	0	0	0
Lasielli Alea	ACRES	0	0	0	0	0	0	0
Southern Area	FIRES	0	0	0	0	6	0	6
Southern Area	ACRES	0	0	0	0	4	0	4
TOTAL FIRES:		0	26	0	1	73	39	139
TOTAL ACRES:		0	341	0	0	131	268	740

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	245	0	0	419	21	685
Alaska Alea	ACRES	0	3,590,204	0	0	1,107,876	775	4,698,855
Northwest Area	FIRES	99	105	22	43	878	686	1,833
Northwest Area	ACRES	7,227	21,656	161	1,704	4,399	29,724	64,871
Northern California Area	FIRES	109	18	5	19	1,717	497	2,365
Normem Camorna Area	ACRES	121	143	354	1	5,675	2,425	8,719
Southern California Area	FIRES	17	38	11	32	2,006	309	2,413
Southern California Area	ACRES	23	1,907	12	99	14,145	35,675	51,861
Northarn Dagling Area	FIRES	708	39	2	5	628	347	1,729
Northern Rockies Area	ACRES	4,596	8,572	564	4	63,668	5,804	83,208
Great Basin Area	FIRES	28	430	3	23	350	259	1,093
Great Basin Area	ACRES	15	31,016	0	60	6,388	20,614	58,093
Couthwest Area	FIRES	355	133	4	25	398	551	1,466
Southwest Area	ACRES	41,287	2,528	4	3,737	16,299	81,750	145,605
Dealer Marintain Area	FIRES	349	168	11	15	589	105	1,237
Rocky Mountain Area	ACRES	13,080	481	170	7,408	62,735	744	84,618
Contain Area	FIRES	527	0	29	14	5,338	336	6,244
Eastern Area	ACRES	2,181	0	2,102	547	43,886	5,488	54,204
Couthorn Aras	FIRES	287	0	11	13	13,210	240	13,761
Southern Area	ACRES	35,766	0	2,093	188	157,691	12,535	208,273
TOTAL FIRES:		2,479	1,176	98	189	25,533	3,351	32,826
TOTAL ACRES:		104,296	3,656,507	5,460	13,748	1,482,762	195,534	5,458,307

Ten Year Average Fires (2005 – 2014 as of today)	42,450
Ten Year Average Acres (2005 – 2014 as of today)	3,256,506

# 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 Area	ACRES	0	0	0	0	0	0	0
Northern California Area	FIRES	0	0	0	0	0	0	0
Northern California Area	ACRES	0	0	0	0	0	0	0
Southern California Area	FIRES	0	0	0	0	0	0	0
Southern California 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	1	1
Southwest Area	ACRES	0	0	0	0	0	7	7
Booky Mountain Araa	FIRES	0	0	0	0	1	0	1
Rocky Mountain Area	ACRES	0	0	0	0	2	0	2
Eastern Area	FIRES	0	0	0	0	0	1	1
Eastern Area	ACRES	0	0	0	0	0	109	109
Southern Area	FIRES	0	0	0	0	13	0	13
Southern Area	ACRES	0	0	0	0	47	0	47
TOTAL FIRES:		0	0	0	0	14	2	16
TOTAL ACRES:		0	0	0	0	49	116	165

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	5	0	0	2	0	7
Alaska Alea	ACRES	0	3,965	0	0	988	0	4,953
Northwest Area	FIRES	7	28	3	2	0	147	187
Northwest Area	ACRES	2,457	17,778	51	49	0	23,534	43,869
Northern California Area	FIRES	0	0	12	11	0	113	136
	ACRES	0	143	5,173	190	0	7,734	13,240
Southern California Area	FIRES	0	3	4	2	0	100	109
	ACRES	0	78	495	83	0	1,860	2,516
Northern Rockies Area	FIRES	10	31	28	4	5	118	196
	ACRES	3,651	10,580	12,835	1,590	728	17,735	47,119
Great Basin Area	FIRES	1	24	1	6	31	50	113
	ACRES	24	1,449	1,060	85	1,713	17,315	21,646
Couthwest Area	FIRES	14	20	8	7	0	127	176
Southwest Area	ACRES	588	18,879	2,436	4,606	0	72,392	98,901
Rocky Mountain Area	FIRES	18	34	57	11	48	80	248
Nocky Mountain Area	ACRES	2,080	6,299	15,899	1,153	2,134	22,351	49,916
Eastern Area	FIRES	30	0	256	22	1,371	155	1,834
	ACRES	39,398	0	32,913	6,637	65,420	49,486	193,854
Southern Area	FIRES	85	0	141	11	7,867	694	8,798
	ACRES	16,313	0	113,281	14,261	490,118	608,995	1,242,968
TOTAL FIRES:		165	145	510	76	9,324	1,584	11,804
TOTAL ACRES:		64,511	59,171	184,143	28,654	561,101	821,402	1,718,982

<sup>\*\*\*</sup> Changes in some agency YTD acres reflect more accurate mapping or reporting adjustments. \*\*\*

Additional wildfire information is available through the Geographic Areas at <a href="http://gacc.nifc.gov/">http://gacc.nifc.gov/</a>

#### **Canada Fires and Hectares**

PROVINCES	FIRES	HECTARES	FIRES	HECTARES	
	YESTERDAY	YESTERDAY	YEAR-TO-DATE	YEAR-TO-DATE	
BRITISH COLUMBIA	8	11	1,124	293,597	
YUKON TERRITORY	1	0	181	176,700	
ALBERTA	4	0	1,446	489,919	
NORTHWEST					
TERRITORY	0	0	204	364,353	
SASKATCHEWAN	1	0	637	1,399,992	
MANITOBA	23	626	388	42,401	
ONTARIO	3	658	398	36,377	
QUEBEC	0	0	308	4,975	
NEWFOUNDLAND	1	0	108	6,269	
NEW BRUNSWICK	8	1	188	257	
NOVA SCOTIA	3	0	218	506	
PRINCE EDWARD					
ISLAND	0	0	4	2	
NATIONAL PARKS	0	0	87	505,571	
TOTALS	52	1,296	5,291	3,320,917	

<sup>\* 1</sup> Hectare = 2.47 Acres

<u>Predictive Services Discussion</u>: The Southwest and California will see widespread wetting rain as copious moisture from Tropical Storm Delores nudges closer. Monsoonal moisture will also help trigger showers and thunderstorms over the Four Corners region today. Severe thunderstorms are possible east of the Rockies through the central Plains, where a frontal boundary will focus activity. Another upper level disturbance will bring unsettled conditions and a chance of storms to New England. More rain and thunder is forecast for Florida as well as Alaska.

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

This report contains information derived from the National Fire and Aviation Management Web Applications (FAMWEB) system and other sources to provide relative information about emerging and ongoing incident activity. This information is considered operational in nature, is subject to change, and therefore may not match official year-to-date agency records.

\*\* National Interagency Coordination Center \*\*



## **SAFETY ZONES 1 (LCES)**

Operational Engagement Category

A safety zone is a location where the threatened firefighter can find adequate refuge from an approaching fire.

- What is the difference between a safety zone and a deployment site?
  - The safety zone is the area where a firefighter can survive without using a fire shelter. The deployment site is used when fire conditions are such that escape routes and safety zones have been compromised.
- How do you identify a good safety zone?
  - Consider the distance from the escaped fire as well as topography, winds, fire behavior, and fuels in the area.
  - The best locations are usually "in the black;" those with a minimum of, or devoid of, ground/aerial vegetation; or large bodies of water.
  - Location is scouted and marked well for visibility at all times.
  - Location has been reassessed in relation to line work progress, fatigue, changes in fire behavior, and arrival of additional resources.
  - For radiant heat only, the distance separation between the firefighter and the flames must be at least four times the maximum flame height. This distance must be maintained on all sides, if the fire has ability to burn completely around the safety zone. Convective heat from wind and/or terrain influences will increase this distance requirement.
  - Take advantage of heat barriers such as lee side of ridges, large rocks, or solid structures.
- What should you avoid in selecting a safety zone?
  - Avoid locations that are downwind from the fire.
  - Avoid locations that are in chimneys, saddles, or narrow canyons.
  - Avoid locations that require a steep uphill escape route.

References:

Incident Response Pocket Guide
Interagency Standards for Fire and Fire Aviation Operations
"LCES and Other Thoughts" by Paul Gleason