National Interagency Coordination Center
Incident Management Situation Report
Friday, March 17, 2017 – 0800 MT
National Preparedness Level 1

National Fire Activity (Mar. 10 – Mar. 16)

Initial attack activity:	Light (773 new fires)
New large incidents:	19
Large fires contained:	22
Uncontained large fires:**	15
Area Command Teams Committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

**Uncontained large fires include only fires being managed under a full suppression strategy.
Link to Geographic Area daily reports.

Active Incident Resource Summary

GACC	Fires	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel
AICC	0	0	0	0	0	0
NWCC	0	0	0	0	0	0
ONCC	0	0	0	0	0	0
OSCC	0	0	0	0	0	0
NRCC	0	0	0	0	0	0
GBCC	0	0	0	0	0	0
SWCC	1	2,466	0	1	0	4
RMCC	2	1,249	3	11	0	85
EACC	0	0	0	0	0	0
SACC	32	354,577.8	4	65	1	264
Total	**35**	**358,292.8**	**7**	**77**	**1**	**353**

Southern Area (PL 3)

New fires:	680
New large incidents:	14
Uncontained large fires:	13
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

*** NW Oklahoma Complex** (3 fires), Oklahoma DOF. IMT 1 (Dueitt). Contains previously reported Starbuck, 283, and Selman fires. Six miles west of Laverne, OK. Tall grass and brush. Minimal fire behavior with smoldering. Numerous residences threatened.

Lee Williams Rd, Florida Forest Service. Florida Forest Service IMT 2 (Dolan). Thirteen miles east of Naples, FL. Short grass. Minimal fire behavior. Reduction in acreage due to more accurate mapping.

Milsap, Osage Agency, BIA. Seven miles east of Hominy, OK. Hardwood litter, brush and tall grass. Minimal fire behavior.

*** North Cane**, Florida Forest Service. Four miles northeast of Christmas, FL. Southern rough. Minimal fire behavior.

Irate, Okmulgee Field Office, BIA. One mile northeast of Lamar, OK. Hardwood litter and tall grass. Minimal fire behavior.

*** Howell**, Osage Agency, BIA. Four miles north of Bartlesville, OK. Hardwood litter and brush. Minimal fire behavior with smoldering. Residences threatened.

Trail, Florida Forest Service. Five miles southwest of Doral, FL. Short grass. Minimal fire behavior.

Tucker, Wewoka Agency, BIA. Seven miles southeast of Bowlegs, OK. Hardwood litter and brush. Minimal fire behavior.

Bunch Mt, Northeast Area, Oklahoma DOF. Seven miles northeast of Cookson, OK. Hardwood litter and short grass. No new information. Last report unless new information is received.

*** Nuclear**, Florida Forest Service. Six miles southeast of Homestead, FL. Southern rough. Minimal fire behavior. Last report unless significant activity occurs.

Watsimoie, Osage Agency, BIA. Three miles southeast of Hominy, OK. Hardwood litter and brush. Minimal fire behavior.

*** Spring Mountain**, East Central Area, Oklahoma DOF. Six miles northwest of Talihina, OK. Hardwood litter. Moderate fire behavior with creeping and flanking.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	$$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* NW Oklahoma Complex	OK-OKS	782,333	---	85	Ctn	03/23	170	---	0	12	0	139	2.2M	ST
Lee Williams Rd	FL-FLS	7,230	-270	85	Ctn	UNK	77	-33	0	11	0	6	546K	ST
Milsap	OK-OSA	9,636	0	75	Ctn	03/25	6	2	0	2	0	0	31K	BIA
* North Cane	FL-FLS	7,000	---	80	Ctn	UNK	4	---	0	0	0	0	1K	ST
Irate	OK-OMA	3,000	650	70	Ctn	UNK	16	-18	1	3	0	0	40K	BIA
* Howell	OK-OSA	1,900	---	50	Ctn	03/25	8	---	0	2	0	0	46K	BIA
Trail	FL-FLS	1,065	0	85	Ctn	UNK	0	-4	0	0	0	0	1K	ST
Tucker	OK-WEA	1,030	530	91	Ctn	03/17	20	5	2	2	0	0	7K	BIA
Bunch Mt	OK-NEU	1,100	---	50	Ctn	UNK	10	---	1	2	0	0	4K	ST
* Nuclear	FL-FLS	400	---	90	Comp	UNK	0	---	0	0	0	0	1K	ST
Watsimoie	OK-OSA	314	0	80	Ctn	03/20	16	-22	1	4	0	0	22K	BIA
* Spring Mountain	OK-ECU	200	---	10	Ctn	03/18	4	---	0	2	0	0	2K	ST
Perryton	TX-TXS	318,156	3,000	100	Ctn	---	17	-13	0	1	0	11	1K	PRI
Spocogee	OK-OMA	6,478	0	100	Ctn	---	0	-8	0	0	0	0	18K	BIA
Lost Creek	OK-OMA	2,135	0	100	Ctn	---	3	0	0	1	0	0	52K	BIA
Staples Road	OK-SEU	940	0	100	Ctn	---	2	-15	0	1	0	0	3K	ST
Spring Creek Farm	OK-WEA	687	0	100	Ctn	---	5	-10	0	2	0	0	7K	BIA

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	$$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* Spitline	FL-FLS	616	---	100	Ctn	---	0	---	0	0	0	0	1K	ST
* Delhi	OK-OKS	600	---	100	Ctn	---	70	---	0	26	0	0	36K	ST
* Rolls	FL-FLS	572	---	100	Ctn	---	4	---	0	0	0	0	1K	ST
* Boone BCT	AR-ARS	512	---	100	Ctn	---	7	---	0	0	0	0	10K	PRI
Territory	OK-OKS	500	0	100	Ctn	---	9	0	0	4	0	0	14K	ST
Conway Ranch	OK-ECU	497	0	100	Ctn	---	3	0	0	0	0	0	1K	ST
Badcock Grub Rd	FL-FLS	400	0	100	Comp	---	0	-2	0	0	0	0	1K	FS
* Keifer	TX-TXS	360	---	100	Ctn	---	4	---	0	0	0	0	1K	PRI
* Blue Bluff	AR-BUP	285	---	100	Ctn	---	0	---	0	0	0	0	5K	NPS
* Walker Gamble Rd	SC-SCS	250	---	100	Ctn	---	6	---	0	5	0	0	2K	ST
* Midnight	GA-GAS	106	---	100	Ctn	---	4	---	0	1	0	0	2K	ST
* Anniversary	SC-FMF	102	---	100	Ctn	---	0	---	0	0	0	0	3K	FS

TXS – Texas A&M Forest Service SEU – Southeast Area, Oklahoma DOF ARS – Arkansas Forestry Commission
BUP – Buffalo National River SCS – South Carolina Forestry Commission
GAS – Georgia Forestry Commission FMF – Francis Marion & Sumter NF

Rocky Mountain Area (PL 1)

New fires: 12
New large incidents: 4
Uncontained large fires: 2

Reno County, Reno County. Four miles northeast of Hutchinson, KS. Grass. No new information. Last report unless new information is received.

Q and 140th, Kingman County. Three miles northeast of Smith Center, KS. Grass. No new information. Last report unless new information is received.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	$$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Reno County	KS-RNX	6,000	---	70	Ctn	UNK	17	---	0	1	0	9	450K	C&L
Q and 140th	KS-KMX	1,100	---	0	Ctn	UNK	54	---	0	16	0	1	22K	C&L
* Hodgeman County	KS-HGX	18,000	---	100	Ctn	---	24	---	0	12	0	8	1K	C&L
Highlands	KS-RNX	5,441	-144	100	Ctn	---	39	-88	0	5	0	13	694K	C&L
* Raceway Park	KS-FOX	2,326	---	100	Ctn	---	60	---	0	24	0	36	1K	C&L
* Yonkers	KS-CNX	1,100	---	100	Ctn	---	70	---	0	27	0	0	12K	C&L
* Pike	KS-BAX	420	---	100	Ctn	---	30	---	0	15	0	0	17K	C&L

HGX – Hodgeman County FOX – Ford County CNX – Cheyenne County BAX – Barber County

Southwest Area (PL 1)

New fires: 37
New large incidents: 1
Uncontained large fires: 0

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	$$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* Ranch	AZ-A3S	2,466	---	100	Ctn	---	4	---	0	1	0	0	10K	ST

A3S – Southeast District, Arizona State Forestry

Fires and Acres Last Week (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Northwest Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Northern California Area	FIRES	0	0	0	1	7	1	**9**
	ACRES	0	0	0	1	2	0	**3**
Southern California Area	FIRES	0	0	0	0	0	1	**1**
	ACRES	0	0	0	0	0	0	**0**
Northern Rockies Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Great Basin Area	FIRES	0	1	0	0	8	0	**9**
	ACRES	0	0	0	0	134	0	**134**
Southwest Area	FIRES	21	2	0	0	6	8	**37**
	ACRES	59	8	0	0	2,771	121	**2,959**
Rocky Mountain Area	FIRES	0	0	0	0	12	0	**12**
	ACRES	0	0	0	0	135	9	**144**
Eastern Area	FIRES	0	0	0	0	23	2	**25**
	ACRES	0	0	0	0	32	2	**34**
Southern Area	FIRES	18	0	3	2	650	7	**680**
	ACRES	5,626	0	208	75	10,381	129	**16,419**
TOTAL FIRES:		**39**	**3**	**3**	**3**	**706**	**19**	**773**
TOTAL ACRES:		**5,685**	**8**	**208**	**76**	**13,455**	**261**	**19,693**

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Northwest Area	FIRES	0	1	0	0	3	0	**4**
	ACRES	0	1	0	0	3	0	**4**
Northern California Area	FIRES	0	0	0	1	25	2	**28**
	ACRES	0	0	0	1	19	0	**20**
Southern California Area	FIRES	2	0	0	2	64	15	**83**
	ACRES	4	0	0	2	5	11	**22**
Northern Rockies Area	FIRES	1	0	0	0	11	0	**12**
	ACRES	15	0	0	0	36	0	**51**
Great Basin Area	FIRES	0	8	0	2	12	1	**23**
	ACRES	0	9	0	3	134	0	**146**
Southwest Area	FIRES	60	23	1	3	88	27	**202**
	ACRES	148	16	0	5	10,705	1,887	**12,761**
Rocky Mountain Area	FIRES	23	2	1	0	81	20	**127**
	ACRES	1,466	1	0	0	456,480	1,353	**459,300**
Eastern Area	FIRES	7	0	0	2	450	93	**552**
	ACRES	105	0	0	82	2,981	2,435	**5,603**
Southern Area	FIRES	161	0	13	5	9,435	184	**9,798**
	ACRES	21,103	0	687	80	1,554,399	7,836	**1,584,105**
TOTAL FIRES:		**254**	**34**	**15**	**15**	**10,169**	**342**	**10,829**
TOTAL ACRES:		**22,841**	**27**	**687**	**173**	**2,024,762**	**13,522**	**2,062,012**

Ten Year Average Fires (2007 – 2016 as of today)	**8,687**
Ten Year Average Acres (2007 – 2016 as of today)	**216,894**

Prescribed Fires and Acres Last Week (by Ownership):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Northwest Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Northern California Area	FIRES	0	0	1	0	0	4	**5**
	ACRES	0	35	80	43	0	168	**326**
Southern California Area	FIRES	0	0	0	0	0	11	**11**
	ACRES	0	0	0	0	0	889	**889**
Northern Rockies Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Great Basin Area	FIRES	1	0	0	0	0	5	**6**
	ACRES	0	0	0	0	213	341	**554**
Southwest Area	FIRES	0	2	0	0	0	4	**6**
	ACRES	0	653	0	0	0	4,522	**5,175**
Rocky Mountain Area	FIRES	1	2	0	0	0	1	**4**
	ACRES	8	278	0	0	0	803	**1,089**
Eastern Area	FIRES	0	0	1	2	5	5	**13**
	ACRES	0	0	193	605	543	5,796	**7,137**
Southern Area	FIRES	2	0	6	0	3,642	14	**3,664**
	ACRES	465	0	2,132	0	98,815	11,725	**113,137**
TOTAL FIRES:		**4**	**4**	**8**	**2**	**3,647**	**44**	**3,709**
TOTAL ACRES:		**473**	**966**	**2,405**	**648**	**99,571**	**24,244**	**128,307**

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	0	0	**0**
	ACRES	0	0	0	0	0	0	**0**
Northwest Area	FIRES	0	4	0	0	0	3	**7**
	ACRES	0	721	0	0	0	158	**879**
Northern California Area	FIRES	0	2	4	4	0	13	**23**
	ACRES	0	397	182	60	0	556	**1,195**
Southern California Area	FIRES	0	2	1	0	0	103	**106**
	ACRES	0	52	100	0	0	1,669	**1,821**
Northern Rockies Area	FIRES	0	7	0	0	0	7	**14**
	ACRES	0	335	0	0	0	494	**829**
Great Basin Area	FIRES	2	11	2	4	14	15	**48**
	ACRES	1	527	2	35	709	1,524	**2,798**
Southwest Area	FIRES	5	22	1	1	3	31	**63**
	ACRES	459	19,538	4,814	1	242	11,781	**36,835**
Rocky Mountain Area	FIRES	2	18	2	8	27	57	**114**
	ACRES	122	762	0	345	703	30,022	**31,954**
Eastern Area	FIRES	2	0	12	6	170	44	**234**
	ACRES	3,477	0	926	2,548	12,039	37,943	**56,933**
Southern Area	FIRES	39	0	83	26	35,348	441	**35,937**
	ACRES	5,961	0	53,197	130,116	913,187	386,042	**1,488,503**
TOTAL FIRES:		**50**	**66**	**105**	**49**	**35,562**	**714**	**36,546**
TOTAL ACRES:		**10,020**	**22,332**	**59,221**	**133,105**	**926,880**	**470,189**	**1,621,747**

***** 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/**

Predictive Services Discussion: The ridge of high pressure over the West will migrate east to be over the plains this weekend. This will allow for a return to a cooler and periodically wetter pattern for most western states except Arizona, New Mexico, and Colorado who are expected to remain dry and periodically windy. While pockets of critical fire weather conditions are expected across these areas and the Southern Plains through the weekend, the period of heightened awareness may come Wednesday when a passing front introduces a possibility for dry storms to portions of New Mexico and Southern Colorado in addition to anticipated winds and low humidities. The breezy and dry conditions will expand east across Texas Thursday raising the potential there. Looking east, Florida and coastal areas north through the Carolinas into Virginia will remain warm and dry through the period. Fuels across much of Florida will remain very dry. In Alaska, the extended period of drier than normal conditions will continue through the week across the state's interior while temperatures remain slightly below normal.

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

New Research on Safety Zones

Operational Engagement

[If you have computer or smart phone access, please watch the video for this subject using the link or QR code...Otherwise, read on Old School…]

First, a Fire Behavior 101 refresher: You can warm yourself around the sides of a campfire for quite some time; that's **radiant heat.** If you hold your hands over the top of the fire, you'll get burned relatively quickly; that's **convective heat.**

Basically, wind or slope can tip the flames over, so that the convective heat is no longer going straight up, but is now aimed more along the ground, sending the heat and hot gasses much further ahead. This causes pre heating of the fuels, faster fire spread and greater fire intensities. You'll need a larger Safety Zone if that fire is coming towards you.

The current equation for safety zone size in the IRPG (page 8) is:

4 x Flame Height = Safe Separation Distance

To make estimations of flame height though, you either have to use past fire behavior observations or use your experience to guess what the fire may do in the future. After a decade of research, Bret Butler, at the Missoula Technology and Development Center, suggests removing the uncertainty and guesswork that comes with estimating flame height by taking the general rule of thumb: Flame Height = 2 x Vegetation Height

…and substituting that Flame Height equation into the original IRPG equation, to give:

4 x 2 x Vegetation Height = Safe Separation Distance, which simplified is:
8 x Vegetation Height = Safe Separation Distance

But remember, that's still for **radiant heat** only, on flat ground, with no wind. To take into account the **convective heat** from slope or wind, Butler's research suggests that a "Slope Wind Factor" is needed in the equation:

8 x Vegetation Height x Slope Wind Factor = Safe Separation Distance

But what is the Slope Wind Factor? Current research is indicating that the Slope Wind Factor is between 1 and 10; with Butler arguing it may be closer to between 1 and 5. Butler's ongoing research is focused on answering that question by gathering sensor data on fires, running computer simulations, and refining the models…Stay tuned.

In the meantime, utilize the calculations on page 8 of your IRGP to help you determine a bare minimum size for your safety zone with the understanding that slope and wind need to be considered in your decision making.

But remember, a safety zone is only good if you can get there…join us tomorrow for some thoughts on Escape Routes.

Have an idea? Have feedback? Share it.

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