# National Interagency Coordination Center Incident Management Situation Report Friday, September 20, 2019 – 0530 MT National Preparedness Level 2

# **National Fire Activity**

Type 2 IMTs committed:

Initial attack activity:

New large incidents:

Large fires contained:

Uncontained large fires:\*\*\*

Area Command teams committed:

NIMOs committed:

Type 1 IMTs committed:

Light (102 new fires)

2

Light (102 new fires)

1

1

Nationally, there are 39 large fires being managed under a strategy other than full suppression.

\*\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

4

**Link** to Geographic Area daily reports.

**Link** to Understanding the IMSR.

	Ac	ctive Incide	nt Res	ource S	Summary	
GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel
AICC	3	179,865	6	8	4	316
NWCC	3	34,173	3	3	2	128
ONCC	8	69,726	25	44	11	1,516
oscc	7	15,776	18	24	6	686
NRCC	7	4,157	0	5	0	35
GBCC	6	25,434	3	13	4	175
SWCC	5	35,349	1	8	1	98
RMCC	5	5,119	7	13	1	264
EACC	0	0	0	0	0	0
SACC	14	6,680	5	30	1	169
Total	58	376,279	68	148	30	3,387

## Northern California Area (PL 2)

New fires:	10
New large incidents:	0
Uncontained large fires:	3
Type 1 IMTs committed	1
Type 2 IMTs committed:	2

**Walker**, Plumas NF, USFS. Transfer of command from IMT 1 (CA Team 4) to IMT 2 (CA Team 10) will occur today. Eleven miles east of Taylorsville, CA. Timber and medium logging slash. Minimal fire behavior with creeping, smoldering and backing. Road and area closures in effect. Precipitation occurred over the fire area yesterday.

**South**, Shasta-Trinity NF, USFS. IMT 2 (CA Team 16). Fifteen miles south of Platina, CA. Timber, chaparral and hardwood litter. Minimal fire behavior with smoldering and creeping. Residences threatened. Area, road and trail closures in effect.

**Middle**, Shasta-Trinity NF, USFS. Eleven miles northeast of Junction City, CA. Timber and brush. Minimal fire behavior with creeping and smoldering. Area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

Lime, Klamath NF, USFS. Ten miles north of Yreka, CA. Timber and brush. Minimal fire behavior.

**Kidder 2**, Klamath NF, USFS. Ten miles northwest of Etna, CA. Timber and brush. Minimal fire behavior. Last narrative report unless significant activity occurs.

Incident Name	Unit	Siz	e	%	Ctn/	Est	Perso	onnel	Re	esource	es	Strc	\$\$	Origin
incluent Name	o iii	Acres	Chge	70	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Walker	CA-PNF	54,612	0	98	Ctn	9/28	797	-276	11	31	5	9	32.1M	FS
South	CA-SHF	5,203	0	53	Comp	10/1	346	-45	5	3	4	2	7.6M	FS
Middle	CA-SHF	1,335	7	25	Ctn	10/31	195	6	4	3	2	0	370K	FS
Lime	CA-KNF	1,872	0	99	Ctn	10/9	42	-173	0	0	0	0	9M	FS
Kidder 2	CA-KNF	227	0	50	Comp	10/18	25	-16	2	0	0	0	825K	FS

## Southern California Area (PL 3)

New fires:	10
New large incidents:	0
Uncontained large fires:	1
NIMOs committed:	1
Type 2 IMTs committed	1

**Taboose**, Inyo NF, USFS. NIMO (Boise) and IMT 2 (CA Team 11). Ten miles southwest of Big Pine, CA. Timber, brush and short grass. Minimal fire behavior with smoldering and creeping. Numerous residences threatened. Trail closures in effect.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Perso	onnel	Re	esource	es	Strc	\$\$	Origin
incident Name	Oill	Acres	Chge	/0	Comp	∟Si	Total	Chge	Crw	Eng	Heli	Lost	st CTD	Own
Taboose	CA-INF	10,269	148	64	Ctn	9/30	350	-50	5	8	6	0	9.1M	FS
Larg	Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned													
Cow	CA-INF	2,025	0	90	Comp	10/11	0	-27	0	0	0	0	1.9M	FS
Springs	CA-INF	4,840		98	Comp	10/1	149		2	4	0	0	6.2M	FS

#### Northwest Area (PL 1)

New fires:3New large incidents:0Uncontained large fires:2

**Gopher**, Rogue River-Siskiyou NF, USFS. Eleven miles east of Prospect, OR. Timber, brush and medium logging slash. Minimal fire behavior with smoldering. Area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

**Poker**, Sheldon-Hart Mountain NWR, FWS. Nineteen miles northeast of Plush, OR. Brush and tall grass. Minimal fire behavior with smoldering. Precipitation occurred over the fire area yesterday.

Incident Name	Unit _	Siz	ze	%	Ctn/	Est	Perso	onnel	Re	esource	s	Strc	\$\$	Origin
incident Name	Offic	Acres	Chge	70	Comp	LSi	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Gopher	OR-RSF	354	0	50	Ctn	9/30	111	-4	3	0	2	0	4.3M	FS
Poker	OR-SHR	23,400	0	98	Ctn	9/23	6	-28	0	1	0	0	650K	FWS
Larg	ge Fires Beir	ng Manage	ed With a	Strateg	y Other	Than Fu	III Suppres	ssion With	out a T	ype 1 c	r 2 IM	IT Assig	ned	
204 Cow	OR-MAF	9,668	0	73	Comp	10/15	11	-59	0	2	0	0	11M	FS
South Fork Creek	WA-OWF	199	0	80	Comp	10/15	0	0	0	0	0	0	35K	FS
Devore Creek	WA-OWF	630		0	Comp	11/30	3		0	0	0	0	1.1M	FS
Granite Gulch	OR-WWF	5,550	50	100	Comp		1	-8	0	0	0	0	580K	FS

MAF - Malheur NF, USFS OWF - Okanogan-Wenatchee NF, USFS WWF - Wallowa-Whitman NF, USFS

### Alaska Area (PL 2)

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

**Swan Lake**, Kenai Kodiak Area, Alaska DOF. IMT 2 (NR Team 4). Started on FWS land five miles northeast of Sterling, AK. Timber, brush and short grass. Minimal fire behavior with creeping and smoldering. Numerous structures threatened. Area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Pers	onnel	Re	esource	:S	Strc	\$\$	Origin
incident Name	O I II	Acres	Chge	70	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Swan Lake	AK-KKS	167,164	0	68	Comp	10/1	250	-15	4	5	3	0	46.5M	FWS
Larg	Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned													
Tokaina 2	AK-CRS	9,412	0	0	Comp	9/30	5	0	0	0	1	0	1.1M	ST
Pete Andrews Creek	AK-SWS	5,859		70	Comp	UNK	7		0	0	0	0	983K	PRI
Lower Klutuk	AK-SWS	4,699		0	Comp	10/14	0		0	0	0	0	2K	BLM

CRS – Valdez-Copper River Area, Alaska DOF SWS – Southwest Area, Alaska DOF

## Rocky Mountain Area (PL 2)

New fires: 11
New large incidents: 0
Uncontained large fires: 1

**Brush Creek**, Albany County. Thirty miles southwest of Douglas, WY. Timber, brush and short grass. Minimal fire behavior with spotting. Structures threatened.

Incident Name	Unit -	Si	ze	%	Ctn/	Est	Pers	onnel	R	esource	s	Strc	\$\$	Origin
modent Name	Offic	Acres	Chge	70	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Brush Creek	WY-ALX	470	0	65	Ctn	9/20	93	-30	2	9	0	0	550K	CNTY
Larg	e Fires Bein	g Manage	d With a S	trategy	Other T	han Full	Suppress	ion Withou	ut a Ty	pe 1 or	2 IMT	Assig	ned	
Decker	CO-RGF	886	40	0	Comp	12/20	107	23	4	0	1	0	422K	FS
Fishhawk	WY-SHF	11,177	0	50	Comp	10/31	1	0	0	0	0	0	1.9M	FS
Middle Mamm	CO-WRF	275		2	Comp	10/31	7		1	0	0	0	493K	FS
Hunt	CO-WRD	2,900	0	100	Comp		14	1	0	3	0	0	665K	BLM

RGF - Rio Grande NF, USFS SHF - Shoshone NF, USFS WRF - White River NF, USFS

WRD - White River Field Office, BLM

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

New fires:2New large incidents:0Uncontained large fires:0

Incident Name	Unit	Si	ze	%	Ctn/	Est	Pers	onnel	Re	esource	es	Strc	\$\$	Origin
incluent Name	Offic	Acres	Chge	70	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Francis	UT-UWF	365	0	100	Ctn		58	-130	2	1	1	0	670K	FS
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned												ned		
Tincup	ID-CTF	268	5	0	Comp	9/30	9	3	0	2	0	0	100K	FS
Cove Creek	ID-SCF	5,304	0	90	Comp	9/30	1	0	0	0	0	0	5.2M	FS
Trumbull	AZ-ASD	2,925	0	0	Comp	9/26	0	0	0	0	0	0	550K	BLM
Boone	ID-CTF	117	0	0	Comp	9/30	0	-2	0	0	0	0	12K	FS
Smith Knob	ID-PAF	915		0	Comp	10/1	0		0	0	0	0	310K	FS
Shady	ID-SCF	6,286	0	100	Comp		1	0	0	0	0	0	603K	FS

ASD – Arizona Strip Field Office, BLM PAF – Payette NF, USFS

### Southwest Area (PL 2)

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

**Whiskey**, Coconino NF, USFS. Previously reported incident. Fifteen miles southwest of Flagstaff, AZ. Timber. Moderate fire behavior with backing and flanking. Last narrative report unless significant activity occurs.

**Eden**, Coconino NF, USFS. Previously reported incident. Thirty-one miles southeast of Sedona, AZ. Timber. Minimal fire behavior with backing, creeping and smoldering. Structures threatened. Last narrative report unless significant activity occurs.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Perso	nnel	R	esourc	es	Strc	\$\$	Origin
incident Name	5	Acres	Chge	70	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Whiskey	AZ-COF	5,859	1,669	34	Comp	10/16	68	0	1	4	1	0	771K	FS
Eden	AZ-COF	2,600	1,591	90	Comp	9/30	5	-12	0	1	0	0	170K	FS
Larg	Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned													

Apache	NM-GNF	180	10	0	Comp	10/31	26	0	0	1	0	0	65K	FS
Sheridan	AZ-PNF	21,510	0	70	Comp	9/30	10	-40	0	1	0	0	4.2M	FS
Lava 18	NM-EMP	2,070		20	Comp	9/30	44		2	2	0	0	370K	NPS
Ikes	AZ-GCP	7,650		98	Comp	UNK	13		0	0	0	0	2.6M	NPS
Rocky	AZ-ASF	3,702		55	Comp	9/30	9		0	1	0	0	185K	FS
Telephone	AZ-ASF	2,361		50	Comp	UNK	5		0	1	0	0	115K	FS

GNF - Gila NF, USFS PNF - Prescott NF, USFS EMP - El Malpais National Monument, NPS

GCP - Grand Canyon NP, NPS ASF - Apache-Sitgreaves NF, USFS

# Southern Area (PL 2)

New fires:63New large incidents:2Uncontained large fires:4

- \* Carter Creek, Oklahoma DOF. Seven miles south of Bethel, OK. Timber litter and understory. Extreme fire behavior with crowning and running.
- \* Waterhole, Oklahoma DOF. Four miles northwest of Rattan, OK. Timber and Hardwood litter. Active fire behavior.

**Jack Creek**, Oklahoma DOF. Twenty miles northeast of Antlers, OK. Timber. Minimal fire behavior with smoldering.

**Kings Chapel Rd**, Alabama Private Lands. Five miles northwest of Alpine, AL. Short grass. No new information.

Incident Name	Unit	Siz	ze	%	Ctn/	Est	Perso	onnel	Re	esource	s	Strc	\$\$	Origin
moldent Name	Offic	Acres	Chge	70	Comp	LSt	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
* Carter Creek	OK-OKS	220		50	Ctn	9/21	10		0	5	0	0	9K	ST
* Waterhole	OK-OKS	134		30	Ctn	UNK	9		0	4	0	0	4K	ST
Jack Creek	OK-OKS	574	0	85	Ctn	UNK	11	0	0	5	0	1	6K	ST
Kings Chapel Rd	AL-PRI	500		50	Ctn	UNK	0		0	0	0	0	2K	PRI
Powers Ranch	TX-TXS	1,356	0	100	Ctn		30	0	0	7	0	0	1K	PRI
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Clark Branch #2	KY-KYS	654		90	Comp	UNK	31		4	2	0	0	12K	PRI

TXS – Texas A&M Forest Service KYS – Kentucky DOF

### **Northern Rockies (PL 1)**

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

Incident Name	Unit	Size		%	Ctn/		Perso	onnel	Resources			Strc	\$\$	Origin
		Acres	Chge	70	Comp	Est	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
McClusky	MT-BDF	2,932	0	60	Comp	11/1	15	8	0	1	0	0	1.7M	FS
Beeskove	MT-LNF	430	0	78	Comp	9/30	10	-5	0	0	0	0	7M	FS

Incident Name	Unit	Siz	Size		Ctn/ Est	Personnel		Resources			Strc	\$\$	Origin	
	Offic	Acres	Chge	%	Comp	LSI	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Snow Creek	MT-FNF	1,815	0	5	Comp	10/31	3	0	0	0	0	0	85K	FS
Miller Gulch	MT-LNF	297	0	80	Comp	11/1	2	0	0	0	0	0	361K	FS
Balsam	MT-BRF	130	0	0	Comp	10/31	2	0	0	0	0	0	12K	FS
Shale Creek	ID-NCF	550	-50	0	Comp	11/1	1	0	0	0	0	0	75K	FS
Barren Hill	ID-NCF	1,592	292	0	Comp	10/31	0	0	0	0	0	0	30K	FS
Elbow Bend	ID-NCF	164	35	0	Comp	10/31	0	0	0	0	0	0	10K	FS
Crab	ID-NCF	214	0	40	Comp	10/31	0	0	0	0	0	0	2.6M	FS
Horsefly	MT-HLF	1,352		75	Comp	9/30	34		1	0	0	0	6.6M	FS
Snow Peak	ID-IPF	110		0	Comp	10/31	0		0	0	0	0	65K	FS

# Fires and Acres Yesterday (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Aras	FIRES	0	1	0	0	0	0	1
Alaska Area	ACRES	0	0	0	0	0	0	0
Northwest Area	FIRES	0	0	0	0	2	1	3
Northwest Area	ACRES	0	0	0	0	2	0	2
Northern California Area	FIRES	0	0	0	0	6	4	10
Northern California Area	ACRES	0	0	0	0	1	0	1
Southern California Area	FIRES	0	0	0	0	9	1	10
Southern Calliornia Area	ACRES	0	0	0	0	21	148	169
Northern Rockies Area	FIRES	0	0	0	0	1	0	1
Northern Rockies Area	ACRES	0	0	0	0	15	0	15
Const Dania Anna	FIRES	0	0	0	0	1	1	2
Great Basin Area	ACRES	0	7	0	0	2	1	10
Couthwest Area	FIRES	0	0	0	0	0	1	1
Southwest Area	ACRES	0	0	0	50	0	10	60
Deeler Mountain Area	FIRES	1	2	0	0	1	7	11
Rocky Mountain Area	ACRES	0	0	0	0	3	40	43
Footowa Area	FIRES	0	0	0	0	0	0	0
Eastern Area	ACRES	0	0	0	0	0	0	0
Courth are Area	FIRES	1	0	0	1	61	0	63
Southern Area	ACRES	1	0	0	14	275	0	290
TOTAL FIRES:		2	3	0	1	81	15	102
TOTAL ACRES:		1	7	0	64	319	199	590

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaaka Araa	FIRES	0	243	0	0	416	44	703
Alaska Area	ACRES	0	1,692,548	0	0	887,501	13	2,580,062
Northwest Area	FIRES	236	189	15	29	1,592	984	3,045
Northwest Area	ACRES	49,859	29,192	23,489	4	20,799	21,780	145,123
Northern California Area	FIRES	51	45	4	7	2,286	458	2,851
Northern Camornia Area	ACRES	28	5,599	25	1	31,905	85,479	123,038
Southern California Area	FIRES	18	75	10	18	2,995	301	3,417
Southern California Area	ACRES	140	419	2,727	106	17,632	22,627	43,651
Night of Deal in A	FIRES	740	47	22	15	790	456	2,070
Northern Rockies Area	ACRES	11,567	952	10,026	116	37,670	11,289	71,620
One of Desire Asses	FIRES	37	709	8	29	792	435	2,010
Great Basin Area	ACRES	145	261,004	2	160	149,388	35,204	445,903
Southwest Area	FIRES	600	200	11	50	584	808	2,253
Southwest Area	ACRES	51,620	6,754	55	9,328	28,807	324,699	421,263
Dealey Mountain Area	FIRES	249	309	1	10	527	306	1,402
Rocky Mountain Area	ACRES	1,943	21,370	5,048	29	29,640	20,820	78,850
Castorn Arao	FIRES	301	0	15	31	3,668	295	4,310
Eastern Area	ACRES	569	0	427	520	27,282	5,134	33,932
Couthorn Area	FIRES	256	0	34	45	15,262	258	15,855
Southern Area	ACRES	22,693	0	2,498	2,317	355,120	19,264	401,893
TOTAL FIRES:		2,488	1,817	120	234	28,912	4,345	37,916
TOTAL ACRES:	138,565	2,017,838	44,297	12,581	1,585,745	546,309	4,345,335	

Ten Year Average Fires (2009 – 2018 as of today)	48,953
Ten Year Average Acres (2009 – 2018 as of today)	6,107,713

<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="https://gacc.nifc.gov/">https://gacc.nifc.gov/</a>

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
Alaska Alea	ACRES	0	0	0	0	0	0	0
Northwest Area	FIRES	0	0	0	0	0	8	8
Northwest Area	ACRES	0	0	0	0	0	9,333	9,333
Northern	FIRES	0	0	1	0	0	2	3
California Area	ACRES	0	0	10	0	0	94	104
Southern California Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	45	45
Northern	FIRES	1	0	0	0	3	23	27
Rockies Area	ACRES	200	160	0	0	200	764	1,324
Great Basin	FIRES	0	0	0	0	1	4	5
Area	ACRES	0	5,900	0	0	7	382	6,289
Southwest Area	FIRES	0	0	0	0	0	0	0
Southwest Area	ACRES	32	0	0	0	0	0	32
Rocky Mountain	FIRES	0	1	0	0	0	2	3
Area	ACRES	0	200	0	0	0	8,146	8,346
Eastern Area	FIRES	0	0	1	0	0	10	11
Eastern Area	ACRES	0	0	1	0	0	658	659
Southern Area	FIRES	0	0	0	1	1,335	7	1,343
Southern Area	ACRES	0	0	0	3,500	16,537	1,606	21,644
TOTAL FIRES:		1	1	2	1	1,339	56	1,400
TOTAL ACRES:	TOTAL ACRES:			11	3,500	16,744	21,028	47,776

<u>Predictive Services Discussion</u>: The slight warming trend along the West Coast will continue as the ridge of high pressure off shore begins to drift east toward the coast of the Pacific Northwest and Northern California. The broad, cool upper level trough will continue to drift east into the Great Plains from the Continental Divide bringing cooler than average conditions, showers, and storms further inland. Some storms across the Dakotas will be strong. The tropical wave over eastern Texas will move into Louisiana while the high-pressure ridge over the east maintains its strength for another day. Look for the hot and dry conditions to continue across the Deep South, Mid-Atlantic States and New England. In Alaska, another Aleutian low-pressure area will move east into the northern Gulf of Alaska and will spread showers across the northern and eastern coastal areas. Most precipitation, however, should remain south of the Alaska Range.

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



# ATV – Safety Vehicles/Roads Category

The use of ATVs for wildland fire suppression and prescribed fire operations has increased dramatically over the last ten years. Note: Several agencies have required training for ATV operations (check your agency's requirements).

#### Most injuries associated with ATVs occur when:

- the driver loses control (When the operator encounters a change of terrain or swerves to avoid an
  obstacle, it causes an abrupt change of balance and loss of control),
- the vehicle rolls over,
- the driver or passenger is thrown off,
- the operator's loss of attention to what, where, and how an ATV is being operated,
- or there is a collision with a fixed object.

# Identified contributing factors to ATV accidents include:

- rider inexperience,
- excessive speed combined with rough terrain, can create enough pitch and bounce to cause the operator to lose control of the vehicle.
- lack of helmet use,
- the ATV is improperly loaded or load weight exceeds vehicle operation capacity,
- or the operator carries a passenger that affects the operators control and operation of the ATV.

#### Safety measures for ATV use include:

- Conduct pre-ride inspection which should include checking tires, throttle cable, front and rear brakes, lights and switches, oil and fuel, chain or drive shaft, air filter, clean out of weeds and other debris from around engine and other hot components, and the chassis for any defects or wear.
- Single riders only Injuries frequently occur to passengers, therefore riding double should not be permitted.
- Always wear PPE helmets, eye protection, and protective clothing. Appropriate helmets are those
  designed for motorcycle (not firefighting) use, and should include safety visors/face shields, goggles,
  or safety glasses for eye protection.
- Use headlights to improve visibility by other vehicles.
- Maintain speeds acceptable for riding conditions, especially over uneven terrain.
- Traversing slopes should be avoided.
- Mounted or towed loads should not exceed manufacturer's recommendation and should be properly
  mounted so that weight transfer does not affect the center of gravity of the machine mounting a tank
  (e.g., drip torch) on the rear of the vehicle increases the chances for a rear turnover.
- Do not drive on public roads collisions with automobiles on public roads are the most common cause of fatal ATV accidents. It may be illegal to operate an ATV on public roads – check your state's laws.

#### Resources:

Interagency Standards for Fire and Fire Aviation Operations, *Incident Response Pocket Guide*, PMS 461
Safety and Occupational Health Manual Handbook, BLM-1112-1, *Wildland Fire Incident Management Field Guide*, PMS 210