

**National Interagency Coordination Center
Incident Management Situation Report
Tuesday, August 4, 2020 – 0730 MDT
National Preparedness Level 4**

National Fire Activity:

Initial attack activity:	Light (125 new fires)
New large incidents:	8
Large fires contained:	4
Uncontained large fires:***	37
Area Command teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	8

Nationally, there are 14 large fires being managed under a strategy other than full suppression.

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

[Link](#) to Geographic Area daily reports.

[Link](#) to Understanding the IMSR.

NIMO (Houseman) has been assigned to COVID-19 support at Forest Service headquarters in Washington, D.C.

One RC-26 aircraft with Distributed Real-Time Infrared (DRTI) capability and support personnel from the 141st Air Refueling Wing (Washington Air National Guard) has been deployed to Fairchild AFB (Spokane, WA), in support of wildland fire operations.

One MAFFS C-130 airtanker and support personnel each from the 152nd Airlift Wing (Nevada Air National Guard) and the 302nd Airlift Wing (Colorado Air Force Reserve) have been deployed to McClellan Airfield, CA, in support of wildland fire operations.

Active Incident Resource Summary						
GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel
AICC	0	0	0	0	0	0
NWCC	15	17,839	59	92	13	1,964
ONCC	9	122,187	79	125	21	3,344
OSCC	10	34,007	67	478	25	4,215
NRCC	6	6,389	15	50	18	596
GBCC	16	61,814	40	106	28	1,876
SWCC	12	24,215	9	27	3	331
RMCC	5	4,693	8	18	4	313
EACC	0	0	0	0	0	0
SACC	7	12,396	1	10	1	108
Total	80	283,539	278	906	113	12,747

Southern California Area (PL 3)

New fires:	20
New large incidents:	1
Uncontained large fires:	4
Type 1 IMTs committed:	1
Type 2 IMTs committed:	2

Apple, Riverside Unit, Cal Fire. IMT 1 (CA Team 2). One mile northeast of Cherry Valley, CA. Timber, chaparral and tall grass. Active fire behavior with flanking, backing and short-range spotting. Several communities and numerous residences threatened. Evacuations, area and road closures in effect.

* **Stagecoach**, Central California District, BLM. IMT 2 (CA Team 15) mobilizing. Four miles southwest of Havilah, CA. Brush and tall grass. Active fire behavior. Numerous residences threatened. Evacuations, area and road closures in effect.

Pond, San Luis Obispo Unit, Cal Fire. Nine miles east of Santa Margarita, CA. Chaparral and tall grass. Minimal fire behavior. Energy and communication infrastructure and numerous structures threatened. Road and trail closures in effect.

Dam, Angeles NF, USFS. Transfer of command from IMT 2 (CA Team 13) back to the local unit will occur tomorrow. Eight miles north of Azusa, CA. Chaparral. Minimal fire behavior with smoldering. Road closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Apple	CA-RRU	26,850	6,334	7	Ctn	8/17	2,565	299	31	321	12	5	9.6M	ST
* Stagecoach	CA-CND	300	---	0	Ctn	8/17	242	---	7	21	0	1	100K	BLM
Pond	CA-SLU	2,005	305	67	Ctn	8/8	857	409	21	100	4	14	2.7M	ST
Dam	CA-ANF	220	0	87	Ctn	8/14	205	-176	2	3	1	0	3.2M	FS

Great Basin Area (PL 3)

New fires:	12
New large incidents:	1
Uncontained large fires:	8
Type 2 IMTs committed:	2

North, Carson City District Office, BLM. Eleven miles north of Cold Springs, NV. Brush and short grass. Extreme fire behavior with short-range spotting, uphill runs and running. Numerous residences threatened. Evacuations in effect.

Lost, Elko District Office, BLM. Twenty miles northwest of Wendover, NV. Timber, brush and short grass. Extreme fire behavior with torching, flanking and creeping. Community of Montello, energy infrastructure, numerous structures and sage-grouse habitat threatened.

Bishop, Ely District Office, BLM. IMT 2 (GB Team 7). Seventeen miles southwest of Caliente, NV. Timber, brush and short grass. Moderate fire behavior with creeping, backing and smoldering. Structures threatened.

Pine Hollow, Arizona Strip Field Office, BLM. IMT 2 (GB Team 6). Twenty-three miles east of Fredonia, AZ. Chaparral and tall grass. Moderate fire behavior with short-range spotting. Area, road and trail closures in effect.

Hollow, Central Area, Utah DOF. Thirteen miles north of Fairview, UT. Brush and short grass. Minimal fire behavior with smoldering.

*** Hubby**, Boise District, BLM. Started on county land six miles southwest of Boise, ID. Brush and short grass. Active fire behavior with running, flanking and backing. Structures threatened.

Upper Provo, Uinta-Wasatch-Cache NF, USFS. Fifteen miles east of Kamas, UT. Timber. Moderate fire behavior with flanking, short-range spotting and isolated torching. Area, road and trail closures in effect.

Timber Mountain, Southern Nevada District Office, BLM. Started on DOE land 32 miles north of Amargosa Valley, NV. Brush and tall grass. Minimal fire behavior with smoldering.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
North	NV-CCD	6,993	5,493	0	Ctn	8/8	173	28	3	7	4	0	1K	BLM
Lost	NV-EKD	7,115	115	5	Ctn	8/10	320	169	7	27	3	0	600K	BLM
Bishop	NV-ELD	13,008	241	53	Ctn	8/14	457	42	10	17	7	0	3.7M	BLM
Pine Hollow	AS-ASD	11,373	98	58	Ctn	8/13	380	-19	6	16	6	0	2.4M	BLM
Hollow	UT-SCS	1,416	0	80	Ctn	8/4	97	-40	0	14	0	2	350K	ST
* Hubby	ID-BOD	400	---	75	Ctn	8/4	63	---	3	9	1	0	125K	CNTY
Upper Provo	UT-UWF	336	0	18	Ctn	8/7	169	5	5	4	4	0	590K	FS
Timber Mountain	NV-SND	4,840	0	85	Ctn	8/7	2	0	0	0	0	0	1.3M	DOE
Cedar	NV-ECFX	5,990	0	100	Ctn	---	2	-2	0	0	0	0	3.9M	CNTY
Drops	ID-LNX	3,827	0	100	Ctn	---	95	-21	3	6	1	0	400K	CNTY
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Howell Peak	UT-RID	1,885	0	98	Comp	8/15	1	-7	0	0	0	0	250K	BLM

ECFX – Elko County LNX – Lincoln County

Northern California Area (PL 3)

New fires:	3
New large incidents:	0
Uncontained large fires:	8
Type 2 IMTs committed:	2

July Complex, Modoc NF, USFS. IMT 2 (CA Team 12). Thirty-six miles northwest of Canby, CA. Timber, brush and tall grass. Minimal fire behavior with creeping, smoldering and isolated torching. Area, road and trail closures in effect.

Red Salmon Complex (2 fires), Six Rivers NF, USFS. IMT 2 (CA Team 14). Fourteen miles northeast of Willow Creek, CA. Timber, chaparral and short grass. Active fire behavior with uphill runs, flanking and backing.

Stump, Lassen NF, USFS. Fourteen miles west of Chester, CA. Timber. Moderate fire behavior with flanking, backing and single tree torching. Numerous residences threatened. Trail closures in effect.

Gold, Lassen-Modoc Unit, Cal Fire. Five miles south of Adin, CA. Timber. Minimal fire behavior with smoldering.

Hog, Lassen-Modoc Unit, Cal Fire. Ten miles west of Susanville, CA. Timber and brush. Minimal fire behavior with smoldering. Area and trail closures in effect.

S-4 Sheldon, Northern California District, BLM. Forty miles northeast of Cedarville, CA. Timber, brush and tall grass. Minimal fire behavior with isolated torching and creeping. Sage-grouse habitat threatened.

Sites, Sonoma-Lake Napa Unit, Cal Fire. Five miles southeast of Storyford, CA. Brush. Minimal fire behavior. Energy infrastructure and residences threatened. Road closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
July Complex	CA-MDF	83,261	0	97	Ctn	8/22	997	-130	27	44	5	9	28.3M	FS
Red Salmon Complex	CA-SRF	2,748	872	0	Ctn	8/28	831	56	23	5	7	0	4.8M	FS
Stump	CA-LNF	600	300	30	Ctn	8/12	296	-6	8	16	4	0	1M	FS
Gold	CA-LMU	22,634	0	95	Ctn	8/12	542	-515	5	20	0	13	33.3M	ST
Hog	CA-LMU	9,564	0	95	Ctn	8/10	229	-19	6	7	1	2	33.7M	ST
S-4 Sheldon	CA-NOD	1,802	0	80	Ctn	8/5	50	0	2	2	1	0	800K	BLM
Sites	CA-LNU	560	20	75	Ctn	8/6	254	0	6	28	3	0	1.2M	ST
MP 21	CA-HIA	100	0	100	Ctn	---	145	0	2	3	0	0	2M	BIA

HIA – Hoopa Valley Tribe, BIA

Southwest Area (PL 2)

New fires: 13
 New large incidents: 3
 Uncontained large fires: 6
 Type 2 IMTs committed: 1

* **Cassadore Springs**, San Carlos Agency, BIA. IMT 2 (SW Team 4) mobilizing. IMT will also manage the Kean fire. Eleven miles north of San Carlos, AZ. Brush and short grass. Active fire behavior with wind-driven runs. Area closures in effect.

* **Kean**, San Carlos Agency, BIA. Eight miles north of San Carlos, AZ. Brush and short grass. Active fire behavior with wind-driven runs. Area closures in effect.

Pig, Coconino NF, USFS. Four miles northeast of Rim Rock, AZ. Chaparral and short grass. Minimal fire behavior with backing, creeping and smoldering.

* **Willow**, Apache-Sitgreaves NF, USFS. Twenty-five miles southwest of Winslow, AZ. Timber and medium slash. Minimal fire behavior with smoldering and creeping.

Pine, Prescott NF, USFS. Sixteen miles east of Cordes Lakes, AZ. Timber. Minimal fire behavior. Area and trail closures in effect.

Horseflat, Truxton Canyon Agency, BIA. Thirty miles northwest of Peach Springs, AZ. Short grass. No new information.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* Cassadore Springs	AZ-SCA	4,900	---	0	Ctn	UNK	86	---	3	3	1	0	20K	BIA
* Kean	AZ-SCA	1,300	---	0	Ctn	UNK	6	---	1	0	0	0	20K	BIA
Pig	AZ-COF	435	135	20	Ctn	8/7	81	-2	2	5	0	0	214K	FS
* Willow	AZ-ASF	281	---	80	Ctn	8/7	9	---	0	1	0	0	35K	FS
Pine	AZ-PNF	2,184	0	89	Ctn	8/10	0	-19	0	0	0	0	60K	FS
Horseflat	AZ-TCA	600	---	90	Ctn	8/4	4	---	0	1	0	0	142K	BIA

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Sue Peak	TX-BBP	644	---	75	Comp	UNK	0	---	0	0	0	0	2K	NPS

BBP – Big Bend NP, NPS

Rocky Mountain Area (PL 2)

New fires: 19
New large incidents: 0
Uncontained large fires: 3
Type 2 IMTs committed: 1

Pine Gulch, Grand Junction Field Office, BLM. IMT 2 (RM Black Team). Eighteen miles north of Grand Junction, CO. Timber and brush. Extreme fire behavior with running, backing and flanking. Structures threatened. Area and road closures in effect.

Irish, Little Snake Field Office, BLM. Forty-four miles northeast of Vernal, UT. Timber. Moderate fire behavior with isolated torching. Structures threatened.

Pots, Moffat County. Twenty-seven miles northeast of Vernal, UT. Timber and brush. Minimal fire behavior with creeping and smoldering. Residences and sage-grouse habitat threatened.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Pine Gulch	CO-GRD	3,600	2,100	5	Ctn	8/14	126	31	4	5	2	0	300K	BLM
Irish	CO-LSD	100	0	5	Ctn	8/5	50	20	1	2	2	0	1K	BLM
Pots	CO-MFX	235	0	65	Ctn	8/5	105	-8	3	3	0	0	470K	CNTY
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Goose Creek	CO-RGF	171	---	75	Comp	8/15	3	---	0	1	0	0	1.5M	FS
Sand Creek	CO-SJF	107	---	60	Comp	8/31	5	---	0	0	0	0	3M	FS

RGF – Rio Grande NF, USFS SJF – San Juan NF, USFS

Northwest Area (PL 2)

New fires: 14
New large incidents: 1
Uncontained large fires: 3

* **Konnowac**, Spokane District, BLM. Four miles northeast of Donald, WA. Brush and tall grass. Minimal fire behavior with creeping and smoldering. Residences threatened.

Worthington, Medford Unit, Oregon DOF. Started on BLM land five miles northeast of Eagle Point, OR. Timber, hardwood litter and brush. Minimal fire behavior with creeping and smoldering. Structures threatened.

Coulee Meadows, Spokane District, BLM. Started on private land 18 miles northwest of Ephrata, WA. Brush and tall grass. No new information. Last report unless new information is received.

* **Chikamin**, Okanogan-Wenatchee NF, USFS. Twenty-two miles south of Steheken, WA. Timber, brush and timber litter. Minimal fire behavior with smoldering and isolated torching. Road closures in effect. Last narrative report unless significant activity occurs.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* Konnowac	WA-SPD	1,000	---	10	Ctn	8/6	42	---	0	9	0	0	200K	BLM
Worthington	OR-711S	750	0	70	Ctn	8/14	476	-124	18	16	2	0	2.5M	BLM
Coulee Meadows	WA-SPD	794	---	95	Ctn	UNK	107	---	2	18	0	0	175K	PRI
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
* Chikamin	WA-OWF	260	---	0	Comp	10/31	143	---	6	0	2	0	250K	FS

Northern Rockies Area (PL 3)

New fires: 34
New large incidents: 1
Uncontained large fires: 2

Magpie Rock, Flathead Agency, BIA. Eight miles east of Dixon, MT. Timber and tall grass. Moderate fire behavior with group torching, creeping and smoldering.

Falling Star, Stillwater County. Four miles north of Park City, MT. Timber and short grass. Moderate fire behavior. Numerous structures threatened.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Magpie Rock	MT-FHA	3,539	0	62	Ctn	8/15	270	0	9	10	6	0	1.4M	BIA
Falling Star	MT-LG32	2,277	1,727	25	Ctn	8/5	119	119	1	27	3	0	400K	CNTY

Southern Area (PL 2)

New fires: 7
New large incidents: 1
Uncontained large fires: 3

Mays, Texas A&M Forest Service. Started on private land 16 miles east of Brady, TX. Brush and short grass. Active fire behavior with running, torching and spotting. Residences threatened.

* **Beaver Creek**, Texas A&M Forest Service. Started on private land 20 miles south of Vernon, TX. Brush and tall grass. Active fire behavior.

Pocket Complex, Texas A&M Forest Service. Started on private land 52 miles southwest of Sonora, TX. Brush and short grass. Moderate fire behavior with isolated torching and creeping.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Mays	TX-TXS	9,000	8,000	50	Ctn	8/6	50	22	0	4	1	0	NR	PRI
* Beaver Creek	TX-TXS	600	---	75	Ctn	8/7	19	---	0	0	0	0	NR	PRI
Pocket Complex	TX-TXS	625	113	70	Ctn	8/6	14	-59	0	2	0	0	NR	PRI
Monarch	TX-TXS	1,271	0	100	Ctn	---	11	-11	1	0	0	0	NR	ST

Alaska Area (PL 1)

New fires: 1
 New large incidents: 0
 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			
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Billy Hawk Creek	AK-GAD	2,240	---	95	Comp	9/15	0	---	0	0	0	0	9K	FWS
Wapoo Creek 2	AK-GAD	1,693	---	95	Comp	9/15	0	---	0	0	0	0	3K	ST
Wapoo Creek	AK-GAD	600	---	0	Comp	9/15	0	---	0	0	0	0	10K	ST
Sheenjek River	AK-UYD	5,736	---	0	Comp	10/1	0	---	0	0	0	0	144K	FWS
Coleen	AK-UYD	1,542	---	0	Comp	10/1	0	---	0	0	0	0	5K	FWS
Tivehvun Lake	AK-UYD	829	---	0	Comp	10/1	0	---	0	0	0	0	3K	FWS
Old Lost	AK-UYD	452	---	0	Comp	10/1	0	---	0	0	0	0	5K	FWS
Iwaktok Hill	AK-SWS	13,030	---	0	Comp	UNK	0	---	0	0	0	0	3K	FWS
Clear Creek	AK-MID	1,285	---	0	Comp	UNK	0	---	0	0	0	0	10K	BLM

GAD – Galena Zone, BLM UYD – Upper Yukon Zone, BLM SWS – Southwest Area, Alaska DOF MID – Military Zone, BLM

Fires and Acres Yesterday (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	1	0	1
	ACRES	0	0	0	0	0	0	0
Northwest Area	FIRES	3	0	0	0	10	1	14
	ACRES	3	0	0	0	27	0	30
Northern California Area	FIRES	0	0	0	0	0	3	3
	ACRES	0	264	0	0	0	1,171	1,435
Southern California Area	FIRES	0	1	0	0	13	6	20
	ACRES	0	1	0	0	7	5,274	5,282
Northern Rockies Area	FIRES	6	6	0	1	10	11	34
	ACRES	2,277	11	0	0	13	1	2,302
Great Basin Area	FIRES	0	2	0	0	7	3	12
	ACRES	0	6,286	0	0	160	121	6,567
Southwest Area	FIRES	3	3	0	0	1	6	13
	ACRES	6,201	128	0	0	5	10	6,344
Rocky Mountain Area	FIRES	2	2	0	0	10	5	19
	ACRES	15	2,495	0	0	504	7	3,021
Eastern Area	FIRES	0	0	0	0	1	1	2
	ACRES	0	0	0	0	0	1	1
Southern Area	FIRES	0	0	0	0	7	0	7
	ACRES	0	0	0	0	710	0	710
TOTAL FIRES:		14	14	0	1	60	36	125
TOTAL ACRES:		8,496	9,185	0	0	1,426	6,585	25,692

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	135	0	0	168	16	319
	ACRES	0	45,264	0	0	133,969	26	179,259
Northwest Area	FIRES	174	132	43	14	1,033	385	1,781
	ACRES	7,591	6,311	10,271	85	27,387	990	52,635
Northern California Area	FIRES	8	38	1	30	2,101	389	2,567
	ACRES	102	4,115	0	10,005	46,973	81,854	143,049
Southern California Area	FIRES	17	89	3	20	2,913	405	3,447
	ACRES	28	1,349	1	1,112	29,599	18,116	50,205
Northern Rockies Area	FIRES	723	40	4	2	589	193	1,551
	ACRES	10,612	514	780	1	32,844	403	45,154
Great Basin Area	FIRES	30	625	16	32	720	227	1,650
	ACRES	389	327,899	64	66	93,247	38,485	460,149
Southwest Area	FIRES	648	192	20	25	475	906	2,266
	ACRES	122,114	17,400	1,841	733	43,986	520,012	706,086
Rocky Mountain Area	FIRES	316	236	10	9	781	356	1,708
	ACRES	3,579	37,593	365	98	89,805	3,484	134,924
Eastern Area	FIRES	329	0	33	12	6,033	392	6,799
	ACRES	297	0	3,278	52	20,378	1,588	25,593
Southern Area	FIRES	252	86	23	43	9,765	306	10,475
	ACRES	18,491	404	3,419	32,835	315,641	22,837	393,626
TOTAL FIRES:		2,497	1,573	153	187	24,578	3,575	32,563
TOTAL ACRES:		163,203	440,848	20,019	44,987	833,828	687,795	2,190,681

Ten Year Average Fires (2010 – 2019 as of today)	36,224
Ten Year Average Acres (2010 – 2019 as of today)	4,019,727

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

***Additional wildfire information is available through the Geographic Areas at <https://gacc.nifc.gov/>

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
	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	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Southern California Area	FIRES	0	0	0	0	0	0	0
	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	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Southwest Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Rocky Mountain Area	FIRES	1	0	0	0	0	0	1
	ACRES	108	0	0	0	0	0	108
Eastern Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Southern Area	FIRES	0	0	0	0	7	0	7
	ACRES	0	0	0	0	80	0	80
TOTAL FIRES:		1	0	0	0	7	0	8
TOTAL ACRES:		108	0	0	0	80	0	188

***Prescribed fire acres are for reference only and may not reflect the most up-to-date information.

***Official prescribed fire accomplishment reporting occurs through agency specific systems of record.

Canadian Fires and Hectares

PROVINCES	FIRES YESTERDAY	HECTARES YESTERDAY	FIRES YEAR-TO-DATE	HECTARES YEAR-TO- DATE
BRITISH COLUMBIA	20	36	341	799
YUKON TERRITORY	0	0	21	15,136
ALBERTA	6	1	441	753,617
NORTHWEST TERRITORY	3	8	66	19,611
SASKATCHEWAN	2	0	97	42,060
MANITOBA	0	0	110	49,408
ONTARIO	2	0	465	6,192
QUEBEC	0	0	633	67,827
NEWFOUNDLAND	1	0	60	2,080
NEW BRUNSWICK	1	3	329	1,142
NOVA SCOTIA	0	0	121	654
PRINCE EDWARD ISLAND	0	0	10	8
NATIONAL PARKS	2	0	48	1,655
TOTALS	37	48	2,742	960,187

*1 Hectare = 2.47 Acres

Predictive Services Discussion: Upper-level troughing will develop just offshore the California coast with the upper high over the Southwest. This will reduce thunderstorm activity in the Southwest as the moisture shifts eastward over the Plains where scattered to widespread thunderstorms are expected. Isolated dry thunderstorms are possible over portions of northern California, southern/central Oregon, and northern Nevada as well. Dry and windy conditions are expected over northeast Utah and southern Wyoming and southern with hot, dry, and breezy conditions in the southern Great Basin and Desert Southwest. A cold front will continue pushing southward across the Plains and Lower Mississippi Valley and eastward through the Ohio and Tennessee Valleys. Isaias will move over eastern North Carolina and Delmarva with tropical storm conditions expected and heavy rain likely across much of the Mid-Atlantic and Northeast. Rain is likely across much of the southern Alaska coast with scattered storms over the interior.

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



Safety Zone Research

Operational Engagement

*[If you have a computer or smartphone 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 quick; 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 preheating 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 Safety Zone section (green) of the *Incident Response Pocket Guide (IRPG)*, PMS 461, is:

$$4 \times \text{Flame Height} = \text{Safe Separation Distance}$$

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:

$$4 \times 2 \times \text{Vegetation Height} = \text{Safe Separation Distance, which simplified is:}$$
$$8 \times \text{Vegetation Height} = \text{Safe Separation Distance}$$

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:

$$8 \times \text{Vegetation Height} \times \text{Slope Wind Factor} = \text{Safe Separation Distance}$$

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 in the Safety Zone section (green) 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.

Above all, remember, a safety zone is only good if you can get there.

Resources: [Incident Response Pocket Guide, PMS 461](#), [RT-130, Wildland Fire Safety Training Annual Refresher \(WFSTAR\)](#), [Wildland Fire Lessons Learned Center](#), [Wildland Fire Leadership Development Program](#)

Have an idea? Have feedback? Share it.

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