

**National Interagency Coordination Center
Incident Management Situation Report
Monday, August 15, 2022 – 0730 MDT
National Preparedness Level 3**

National Fire Activity:

Initial attack activity:	Light (94 fires)
New large incidents:	1
Large fires contained:	4
Uncontained large fires: **	23
Area Command teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	4
Type 2 IMTs committed:	7
***Complex IMTs committed:	0

***Complex Incident Management Teams (CIMTs) are configured to respond to large, complex fires and can expand and reduce staffing in all functional areas as necessary to meet the needs of the incident.

Nationally, there are 49 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.

One RC-26 aircraft with Distributed Real-Time Infrared (DRTI) capability and support personnel from the 141st Air Refueling Wing (Washington Air National Guard) have been deployed to Boise, ID. One RC-26 aircraft with Distributed Real-Time Infrared (DRTI) capability and support personnel from the 162nd Operations Group (Arizona Air National Guard) have been deployed to Eugene, OR in support of wildland fire operations.

One Boeing 737 airtanker from New South Wales, Australia is supporting fire suppression efforts in the western United States.

Active Incident Resource Summary							
GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel	Change in Personnel
AICC	0	0	0	0	0	0	-18
NWCC	14	55,730	60	106	16	2,395	-13
ONCC	4	110,353	91	249	26	3,805	-229
OSCC	2	19,476	0	4	1	70	1
NRCC	11	41,551	24	44	8	1,010	-104
GBCC	5	90,752	24	62	11	1,204	-119
SWCC	3	342,473	3	5	2	499	2
RMCC	3	9,332	0	14	0	61	-70
EACC	0	0	0	0	0	0	0
SACC	17	12,011	3	39	1	319	26
Total	59	681,679	205	523	65	9,363	-528

Northern California Area (PL 3)

New fires:	16
New large incidents:	0
Uncontained large fires:	7
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	2

2022 SRF Lightning Complex (4 fires), Six Rivers NF, USFS. NIMO (NIMO Team 1) and IMT 2 (CA Team 11). One mile northeast of Willow Creek, CA. Timber and slash. Active fire behavior with uphill runs, group torching and spotting. Several communities, numerous structures and infrastructure threatened. Evacuations, area, road and trail closures in effect.

McKinney, Klamath NF, USFS. Transfer of command from IMT 1 (CA Team 2) to IMT 2 (CA Team 12) will occur today. Fifteen miles northwest of Yreka, CA. Timber, tall grass and brush. Minimal fire behavior with creeping and smoldering. Several communities and numerous residences threatened. Evacuations, area, road and trail closures in effect.

Yeti, Klamath NF, USFS. Eight miles northeast of Happy Camp, CA. Closed timber litter and timber. Moderate fire behavior with smoldering and creeping. Several communities, numerous structures and communication infrastructure threatened. Evacuations, road and trail closures in effect.

Leilani, U.S. Army Garrison Hawaii-Pohakuloa Training Area, DOD. Twenty miles southeast of Waikoloa Village, HI. Tall grass and chaparral. Minimal fire behavior with backing, creeping and flanking. Numerous structures threatened.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
2022 SRF Lightning Complex	CA-SRF	16,924	982	17	Ctn	8/27	2,045	235	59	143	14	2	18M	FS

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
McKinney	CA-KNF	60,392	0	95	Ctn	8/30	1,511	-359	27	97	5	185	55M	FS
Yeti	CA-KNF	7,886	0	90	Ctn	8/20	200	-105	5	6	3	0	14.1M	FS
Leilani	HI-PTYQ	25,000	0	60	Ctn	8/31	49	0	0	3	4	0	250K	DOD

Northwest Area (PL 3)

New fires:	6
New large incidents:	1
Uncontained large fires:	5
Type 1 IMTs committed:	1
Type 2 IMTs committed:	3

White River, Okanogan-Wenatchee NF, USFS. IMT 2 (NW Team 7) mobilizing. Twenty-three miles northwest of Leavenworth, WA. Timber. Extreme fire behavior with running, short-range spotting and group torching. Numerous structures threatened. Evacuations in effect.

Windigo, Umpqua NF, USFS. Transfer of command from IMT 2 (NW Team 6) to IMT 2 (NW Team 10) will occur tomorrow. IMT is also managing the Potter and Big Swamp fires. Twenty miles southwest of La Pine, OR. Closed timber litter, timber and medium slash. Moderate fire behavior with flanking, isolated torching and short-range spotting. Area, road and trail closures in effect.

Potter, Willamette NF, USFS. Forty-six miles southwest of La Pine, OR. Closed timber litter, timber and medium slash. Moderate fire behavior with wind-driven runs, torching and spotting. Area, road and trail closures in effect.

Big Swamp, Willamette NF, USFS. Thirty-seven miles southwest of La Pine, OR. Closed timber litter, timber and medium slash. Moderate fire behavior with flanking, isolated torching and short-range spotting. Area, road and trail closures in effect.

Cedar Creek, Willamette NF, USFS. IMT 1 (PNW Team 2). Fifteen miles east of Oakridge, OR. Timber and closed timber litter. Active fire behavior with backing, single tree torching and short-range spotting. Structures threatened. Area, road and trail closures in effect.

Mohr Canyon, Spokane District, BLM. Started on private land eight miles southeast of Waterville, WA. Tall grass and brush. No new information. Last report unless new information is received.

* **Irving Peak**, Okanogan-Wenatchee NF, USFS. Twenty-six miles northwest of Leavenworth, WA. Timber. Active fire behavior with short-range spotting, group torching and single tree torching. Residences threatened. 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			
White River	WA-OWF	400	300	0	Comp	10/30	117	-20	2	12	2	0	750K	FS
Windigo	OR-UPF	1,052	45	70	Ctn	10/1	351	-75	4	14	4	0	10.6M	FS
Potter	OR-WIF	430	59	0	Ctn	10/30	354	44	14	7	4	0	5.4M	FS
Big Swamp	OR-WIF	121	1	0	Ctn	10/30	156	4	6	2	0	0	680K	FS
Cedar Creek	OR-WIF	4,256	120	0	Ctn	10/1	717	-5	17	14	5	0	9.6M	FS
Mohr Canyon	WA-SPD	6,944	---	86	Ctn	8/16	64	---	2	5	1	0	1.5M	BLM

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Canyon Road	WA-WFS	1,361	161	100	Ctn	---	1	-35	0	0	0	0	50K	PRI
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
* Irving Peak	WA-OWF	175	---	0	Comp	10/31	74	---	2	5	0	0	250K	FS

WFS – Washington State Fire Marshal's Office

Northern Rockies Area (PL 3)

New fires: 23
 New large incidents: 0
 Uncontained large fires: 2

Deep Draw, Crow Agency, BIA. Ten miles east of Bridger, MT. Timber and brush. Active fire behavior with spotting, isolated torching and uphill runs. Residences and energy infrastructure threatened.

Elmo, Flathead Agency, BIA. Eight miles west of Elmo, MT. Grass and timber. Moderate fire behavior with creeping and single tree torching. Structures and energy infrastructure threatened. Area and 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			
Deep Draw	MT-CRA	650	150	0	Ctn	8/17	162	28	6	31	0	0	500K	BIA
Elmo	MT-FHA	21,349	0	76	Ctn	8/20	389	-20	9	14	1	8	15M	BIA
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Redhorn	MT-FHA	511	0	0	Comp	10/1	89	-1	2	2	2	0	2.5M	BIA
Weasel	MT-KNF	1,591	0	0	Comp	9/30	18	0	0	2	0	0	1.2M	FS
Hog Trough	MT-BRF	832	0	71	Comp	10/15	157	-37	0	1	3	0	8.1M	FS
Clover	MT-BDF	1,103	---	51	Comp	10/30	58	---	2	2	0	0	2M	FS
Diamond Watch	ID-IPF	341	---	0	Comp	9/30	26	---	1	1	0	0	286K	FS
Indian Ridge	MT-BRF	2,562	---	0	Comp	10/31	1	---	0	0	0	0	13K	FS

KNF – Kootenai NF, USFS BRF – Bitterroot NF, USFS BDF – Beaverhead-Deerlodge NF, USFS

IPF – Idaho Panhandle NF, USFS

Great Basin Area (PL 2)

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

Moose, Salmon-Challis NF, USFS. Transfer of command from IMT 1 (GB Team 1) to IMT 1 (NR Team 2) will occur tomorrow. Seventeen miles north of Salmon, ID. Timber. Moderate fire behavior with creeping, smoldering and single tree torching. Numerous residences and energy infrastructure threatened. Area, road and trail closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Moose	ID-SCF	78,084	786	34	Ctn	9/15	1,013	-79	19	56	7	7	42.9M	FS

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														
Woodtick	ID-SCF	5,543	1	17	Comp	9/15	41	-40	1	0	2	0	3M	FS
Norton	ID-SCF	407	---	0	Comp	10/31	15	---	0	0	0	0	85K	FS
Dismal	ID-PAF	950	---	0	Comp	10/15	9	---	0	0	1	0	28K	FS
Halfway Hill	UT-SCS	11,702	---	90	Comp	10/1	17	---	0	2	0	2	11.7M	ST
Goshute	NV-EKD	1,966	---	95	Comp	9/1	0	---	0	0	0	0	3.7M	BLM
Wolf Fang	ID-SCF	1,064	---	0	Comp	10/1	1	---	0	0	0	0	35K	FS

PAF – Payette NF, USFS SCS – South Central Area, Utah DOF EKD – Elko District, BLM

Southern California Area (PL 2)

New fires: 14
 New large incidents: 0
 Uncontained large fires: 1

Oak, Mariposa-Merced Unit, Cal Fire. Five miles northeast of Mariposa, CA. Tall grass, chaparral and timber. Minimal fire behavior. Road and trail closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Oak	CA-MMU	19,244	0	98	Ctn	11/1	65	1	0	3	1	194	91.5M	ST
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Red	CA-YNP	232	---	0	Comp	9/28	5	---	0	1	0	0	20K	NPS

YNP – Yosemite NP

Southern Area (PL 2)

New fires: 1
 New large incidents: 0
 Uncontained large fires: 6
 Type 2 IMTs committed: 1

Juniper Road Two, North Carolina Forest Service. IMT 2 (NC State Red Team). Seven miles northwest of Holly Ridge, NC. Southern rough. Active fire behavior with smoldering.

Pine Pond, Texas A&M Forest Service. Started on private land nine miles east of Bastrop, TX. Timber and brush. Moderate fire behavior with flanking and backing. Residences and energy infrastructure threatened. Evacuations and road closures in effect.

Burns Creek, Texas A&M Forest Service. Started on private land 13 miles northwest of Brenham, TX. Timber, hardwood litter and short grass. Minimal fire behavior with creeping and smoldering. Residences threatened.

Birthday, Talihina Agency, BIA. Twelve miles southwest of McAlester, OK. Timber. Minimal fire behavior with smoldering, creeping and backing. Structures threatened.

Bear Creek, National Forests and Grasslands in Texas, USFS. Eight miles northeast of Groveton, TX. Timber and brush. Minimal fire behavior with creeping and single tree torching.

Bickley Highway, Georgia Forestry Commission. Previously reported incident. Five miles south of Tifton, GA. Timber. 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			
Juniper Road Two	NC-NCS	1,226	0	43	Ctn	9/15	91	11	0	0	0	0	194K	ST
Pine Pond	TX-TXS	700	0	45	Ctn	8/16	139	7	3	26	0	0	NR	PRI
Burns Creek	TX-TXS	398	0	95	Ctn	UNK	11	10	0	2	0	6	NR	PRI
Birthday	OK-TLA	254	9	75	Ctn	8/18	22	0	0	3	0	0	250K	BIA
Bear Creek	TX-TXF	344	0	95	Ctn	8/15	13	-1	0	1	0	0	245K	FS
Bickley Highway	GA-GAS	235	---	98	Ctn	8/19	1	---	0	0	0	0	19K	ST
Patapa	OK-OKS	233	0	100	Ctn	---	1	0	0	1	0	0	4K	ST
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Kanga Way	FL-FLS	700	0	90	Comp	8/17	1	-1	0	1	0	0	NR	ST

OKS – Oklahoma DOF FLS – Florida Forest Service

Southwest Area (PL 2)

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

Hermits Peak, Santa Fe NF, USFS. IMT 2 (SW Team 3). Twelve miles northwest of Las Vegas, NM. Hardwood litter and timber. Minimal fire behavior. Area, road and trail closures in effect. Precipitation occurred over the fire area yesterday.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Hermits Peak	NM-SNF	341,735	0	98	Ctn	10/18	488	-2	3	5	1	913	292M	FS
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Keystone	AZ-FTA	471	---	60	Comp	10/1	2	---	0	1	0	0	50K	BIA
Dragon	AZ-GCP	1,362	---	0	Comp	9/1	27	---	1	1	0	0	900K	NPS
C-3	AZ-TCA	1,378	---	75	Comp	UNK	136	---	2	3	0	0	1.1M	BIA

FTA – Fort Apache Agency, BIA GCP – Grand Canyon NP, NPS TCA – Truxton Canyon Agency, BIA

Rocky Mountain Area (PL 2)

New fires: 20
 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			
Fish	WY-CRX	6,793	0	100	Ctn	---	16	0	0	4	0	0	5.5M	CNTY
Duhamel 2	SD-PNX	1,200	0	100	Ctn	---	0	-53	0	0	0	0	35K	CNTY
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														

Sugarloaf	WY-MRF	839	---	60	Comp	8/17	9	---	0	0	0	0	NR	FS
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CRX – Crook County PNX – Pennington County MRF – Medicine Bow-Routt NF, Thunder Basin National Grassland, USFS

Alaska Area (PL 1)

New fires: 0
 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														
Shiilik	AK-UYD	538	---	0	Comp	10/1	0	---	0	0	0	0	NR	FWS
Goose	AK-UYD	11,984	---	0	Comp	10/1	12	---	0	0	0	0	80K	FWS
Christian	AK-UYD	8,769	---	0	Comp	9/30	0	---	0	0	0	0	3K	TRI
Kocacho	AK-UYD	6,874	---	0	Comp	10/1	0	---	0	0	0	0	80K	TRI
Bean Complex	AK-TAD	212,504	---	98	Comp	10/1	0	---	0	0	0	0	11.7M	ST
Minnkohwin	AK-TAD	4,718	---	0	Comp	10/1	0	---	0	0	0	0	30K	FWS
Paradise Complex	AK-TAD	275,703	---	65	Comp	9/1	6	---	1	0	1	0	2.8M	BLM
Bearman	AK-UYD	683	---	0	Comp	10/1	0	---	0	0	0	0	80K	TRI
Clear	AK-FAS	73,284	---	91	Comp	8/31	18	---	0	1	0	33	27.1M	ST
Hardscrabble Creek	AK-SWS	2,514	---	0	Comp	10/31	0	---	0	0	0	0	3K	ST
Middle Tanana Complex	AK-DAS	62,861	---	0	Comp	10/31	1	---	0	0	0	0	3.4M	ST
Poorman Complex	AK-GAD	140,356	---	0	Comp	UNK	65	---	1	0	0	0	135K	BLM

UYD – Upper Yukon Zone, BLM TAD – Tanana Zone, BLM FAS – Fairbanks Area, Alaska DOF
 SWS – Southwest Area, Alaska DOF DAS – Delta Area, Alaska DOF GAD – Galena Zone, BLM

Fires and Acres Yesterday (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	2	6
	ACRES	0	6	0	0	0	1	7
Northern California Area	FIRES	0	0	0	0	16	0	16
	ACRES	0	0	0	0	44	0	44
Southern California Area	FIRES	0	0	0	0	14	0	14
	ACRES	0	0	0	87	16	0	103
Northern Rockies Area	FIRES	0	0	0	1	10	12	23
	ACRES	0	0	0	1	3	30	34
Great Basin Area	FIRES	0	1	0	0	3	10	14
	ACRES	75	0	0	0	69	1,128	1,272
Southwest Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Rocky Mountain Area	FIRES	0	7	0	0	9	4	20
	ACRES	0	4	0	0	109	0	113
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	1	0	1
	ACRES	0	0	0	0	80	0	80
TOTAL FIRES:		0	9	0	1	56	28	94
TOTAL ACRES:		75	10	0	88	321	1,159	1,654

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	184	0	0	339	30	553
	ACRES	0	1,519,678	0	0	1,561,118	10	3,080,806
Northwest Area	FIRES	128	223	20	18	574	486	1,449
	ACRES	1,212	45,404	255	2	13,205	7,476	67,557
Northern California Area	FIRES	6	22	5	15	2,119	229	2,396
	ACRES	2	286	20	44	14,109	76,293	90,755
Southern California Area	FIRES	23	36	7	23	2,755	336	3,180
	ACRES	113	295	102	5,371	18,516	2,052	26,450
Northern Rockies Area	FIRES	345	18	4	2	689	269	1,327
	ACRES	25,195	2,103	527	1	8,531	6,949	43,307
Great Basin Area	FIRES	28	446	5	30	550	217	1,276
	ACRES	6,868	26,322	58	29	36,161	124,458	193,897
Southwest Area	FIRES	383	184	6	23	529	746	1,871
	ACRES	42,945	13,325	15	2,712	159,633	759,668	978,300
Rocky Mountain Area	FIRES	249	285	12	20	982	238	1,786
	ACRES	18,056	5,912	130	597	176,444	10,614	211,754
Eastern Area	FIRES	88	0	20	11	5,249	316	5,684
	ACRES	253	0	680	17	38,854	2,890	42,695
Southern Area	FIRES	750	4	26	64	21,227	618	22,689
	ACRES	100,271	88	5,942	2,928	1,025,387	39,476	1,174,094
TOTAL FIRES:		2,000	1,402	105	206	35,013	3,485	42,211
TOTAL ACRES:		194,918	1,613,415	7,729	11,703	3,051,963	1,029,890	5,909,619

Ten Year Average Fires (2012 – 2021 as of today)	37,305
Ten Year Average Acres (2012 – 2021 as of today)	4,426,810

***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/>

Canadian Fires and Hectares

PROVINCES	FIRES YESTERDAY	HECTARES YESTERDAY	FIRES YEAR-TO-DATE	HECTARES YEAR-TO- DATE
BRITISH COLUMBIA	35	34	784	34,704
YUKON TERRITORY	0	0	272	175,284
ALBERTA	13	1	772	113,453
NORTHWEST TERRITORY	2	1,695	194	388,295
SASKATCHEWAN	2	2	316	223,535
MANITOBA	1	0	122	134,372
ONTARIO	2	0	188	2,424
QUEBEC	2	0	342	29,572
NEWFOUNDLAND	0	0	70	23,987
NEW BRUNSWICK	0	0	172	134
NOVA SCOTIA	0	0	113	3,369
PRINCE EDWARD ISLAND	0	0	2	0
NATIONAL PARKS	0	0	49	6,340
TOTALS	57	1,731	3,444	1,135,467

*1 Hectare = 2.47 Acres

Predictive Services Discussion: Low relative humidity 5-20% will continue across much of the Inland Northwest, northwest Great Basin, northern Rockies, and northern and central California, with temperatures increasing, including over 100°F through the Central Valley. Dry and breezy conditions are likely again on portions of the southern and central High Plains, with widespread temperatures in the upper 90s to low 100s. Scattered to widespread monsoon thunderstorms will develop from southeast California and the Southwest through the southern and eastern Great Basin, Wyoming, and Colorado. Remnants of a tropical disturbance will produce scattered to widespread showers and thunderstorms across south and southwest Texas, and isolated to scattered thunderstorms are likely across much of the Southeast into the Mid-Atlantic.

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



Wildland Urban Interface Watch Outs

Operational Engagement Category

The primary consideration in wildland urban interface (WUI) is to assure firefighter and public safety. It is essential to assess potential fire behavior, ingress/egress routes, nature of the threat, hazardous materials, and available water supplies before engaging in the protection of any structures. The first step is to assess whether firefighting operations can be conducted safely.

Consider the Wildland Urban Interface Watch Outs in completing a risk analysis for the urban interface area to be protected. Remember there are three categories of structures:

- Those that are not threatened.
- Those that are threatened.
- Those that have already been lost or are too dangerous to protect.

Wildland Urban Interface Watch Outs:

- Poor access and narrow, one-way roads. A rapidly spreading fire could trap apparatus and personnel before they can turn around or move away from the flames and smoke.
- Observe bridge limits. Exceeding bridge limits could lead to bridge failure with a resultant blocking of ingress/egress routes that could result in the loss of an escape route or loss of equipment.
- Inadequate water supply. Without a reserve supply of water, the fire can overtake an area before the fuels can be cleared away.
- Natural fuels are located 30 feet or closer to structures on level ground. Remember structures on slopes require greater clearance.
- Structures are located on canyon slopes or in chimneys on slopes of 30% or more with continuous, flashy fuels. The resulting rate of spread of any fire in this terrain can quickly extend beyond control.
- Extreme fire behavior:
 - Situations involving crowning, large flame heights, and erratic fire behavior can extend in an unpredictable manner beyond the control of any number of personnel.
 - Strong winds of 25+ miles per hour: Winds increase the chance of spotting over the heads of firefighters and trapping them between both fire areas. Winds also cause greater preheating of fuels in the path of a fire front.
- The need to evacuate the public, livestock, pets, and/or animals. This critical activity can pull personnel from the firefighting activity and can distract attention from fire behavior at a time when the greatest alertness is needed.
- Propane and above ground fuel tanks that are next to wooden structures or close to vegetation.
- Power lines and poles:
 - What is their location in relation to the structures that are being protected? Watch for both overhead and downed power lines.
- Local citizens are attempting suppression activities. Lack of knowledge in fire suppression may lead to unsafe tactics.
- Airtanker retardant drops and helicopter bucket operations:
 - Establish communications and keep fire personnel out of the drop zone.

References:

10 Standard Firefighting Orders, PMS 110, <https://www.nwcg.gov/publications/pms110>
10 and 18 Poster, PMS 110-18, <https://www.nwcg.gov/publications/pms110-18>
18 Watch Out Situations, PMS 118, <https://www.nwcg.gov/publications/pms118>
NWCG Incident Response Pocket Guide (IRPG), PMS 461, <https://www.nwcg.gov/publications/461>
Interagency Standards for Fire & Fire Aviation Operations (Red Book), <https://www.nifc.gov/standards/guides/red-book>

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