

**National Interagency Coordination Center
Incident Management Situation Report
Tuesday, July 21, 2020 – 0730 MDT
National Preparedness Level 3**

National Fire Activity:

Initial attack activity:	Light (136 new fires)
New large incidents:	4
Large fires contained:	4
Uncontained large fires:***	33
Area Command teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	3
Type 2 IMTs committed:	2

Nationally, there are 13 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 St. George, UT, in support of wildland fire operations in the Southwest, Rocky Mountain and Great Basin areas.

Active Incident Resource Summary						
GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel
AICC	0	16	0	0	0	0
NWCC	2	643	14	35	2	518
ONCC	4	17,518	40	90	8	1,280
OSCC	2	30,008	19	119	9	1,465
NRCC	1	3,356	1	6	1	31
GBCC	14	130,521	53	88	20	1,773
SWCC	14	332,006	24	31	11	500
RMCC	8	26,432	1	10	1	119
EACC	0	0	0	0	0	0
SACC	8	40,377	0	17	1	73
Total	53	580,877	152	396	53	5,759

Great Basin Area (PL 3)

New fires:	22
New large incidents:	1
Uncontained large fires:	11
Type 2 IMTs committed:	1

Big Summit, Ely District, BLM. IMT 2 (GB Team 5). Seventeen miles northeast of Panaca, NV. Timber, brush and short grass. Minimal fire behavior with torching, backing and smoldering.

* **Dennis Hill**, Bear River Area, Utah DOF. Started on BLM land 15 miles southwest of Park Valley, UT. Timber, brush and short grass. Extreme fire behavior. Structures threatened.

Stewart Canyon, Ely District, BLM. Fourteen miles east of Alamo, NV. Timber, brush and short grass. Active fire behavior with uphill runs, flanking and backing.

Howell Peak, Richfield Field Office, BLM. Forty-one miles west of Delta, UT. Brush and short grass. Active fire behavior with uphill runs, short-range spotting and backing.

Chinese Peak, Bannock County. One mile southeast of Pocatello, ID. Brush and short grass. Minimal fire behavior with smoldering and isolated torching. Communication infrastructure and numerous residences threatened. Road closure in effect.

Shafter, Elko County. Twenty miles northwest of Wendover, NV. Timber, brush and short grass. Minimal fire behavior with smoldering. Sage-grouse habitat threatened.

Cottonwood Trail, Southwest Area, Utah DOF. Five miles northeast of St. George, UT. Brush and short grass. Minimal fire behavior with smoldering. Numerous residences threatened. Area, road and trail closures in effect. Reduction in acreage due to more accurate mapping.

Cedar, Elko County. Fifteen miles south of Elko, NV. Timber, brush and short grass. Extreme fire behavior with running and backing. Residences and Sage-grouse habitat threatened.

Turkey Farm Road, Southwest Area, Utah DOF. Four miles north of St. George, UT. Timber, brush and short grass. Minimal fire behavior with smoldering. Numerous structures threatened. Area, road and trail closures in effect.

Veyo West, Cedar City Field Office, BLM. One mile west of Veyo, UT. Timber, brush and short grass. Minimal fire behavior with torching and smoldering. Numerous structures threatened. Trail closure in effect.

Big Hollow, Northeast Area, Utah DOF. Three miles south of Heber, UT. Chaparral, brush and short grass. Minimal fire behavior with smoldering. Road closure in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Big Summit	NV-ELD	8,461	0	62	Ctn	7/27	659	17	20	21	6	1	5.9M	BLM
* Dennis Hill	UT-BRS	2,350	---	15	Ctn	7/25	48	---	0	12	2	0	80K	BLM
Stewart Canyon	NV-ELD	7,000	5,000	11	Ctn	7/26	148	57	2	13	4	0	500K	BLM
Howell Peak	UT-RID	750	350	40	Ctn	7/22	71	-9	2	3	1	0	80K	BLM
Chinese Peak	ID-1BN	1,546	1,196	50	Ctn	7/21	136	36	5	5	1	0	200K	CNTY
Shafter	NV-ECFX	3,141	0	90	Ctn	7/21	105	-41	4	2	0	0	766K	CNTY
Cottonwood Trail	UT-SWS	1,631	-869	50	Ctn	7/21	117	-62	3	9	0	0	398K	ST
Cedar	NV-ECFX	5,508	4,079	20	Ctn	7/26	212	64	6	10	2	0	500K	CNTY

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Turkey Farm Road	UT-SWS	11,993	0	85	Ctn	UNK	148	-13	7	6	0	1	1.7M	ST
Veyo West	UT-CCD	2,618	0	95	Ctn	UNK	37	0	1	4	0	7	1.2M	BLM
Big Hollow	UT-NES	438	0	95	Ctn	7/22	23	-8	1	1	0	0	325K	ST
Pole Canyon	UT-NWS	488	0	100	Ctn	---	0	-35	0	0	0	0	700K	ST

NWS – Northwest Area, Utah DOF

Northern California Area (PL 3)

New fires: 22
New large incidents: 3
Uncontained large fires: 5
Type 1 IMTs committed: 2

Hog, Lassen-Modoc Unit, Cal Fire. IMT 1 (Cal Fire Team 3). Ten miles west of Susanville, CA. Timber. Active fire behavior with spotting. Community of Lake Forest and numerous structures threatened. Evacuations, area and road closures in effect.

* **Gold**, Lassen-Modoc Unit, Cal Fire. IMT 1 (Cal Fire Team 4) mobilizing. Five miles south of Adin, CA. Timber. Active fire behavior with group torching, uphill runs and short-range spotting. Residences threatened. Evacuations, area and road closures in effect.

Badger, Siskiyou Unit, Cal Fire. Four miles north of Yreka, CA. Timber, brush and tall grass. Active fire behavior with uphill runs, short-range spotting and backing. Residences threatened. Evacuations, area and road closures in effect.

* **Platina**, Shasta-Trinity Unit, Cal Fire. Twenty miles southwest of Redding, CA. Chaparral, brush and short grass. Active fire behavior with backing and creeping. Structures threatened.

* **MP 21**, Hoopa Valley Tribe, BIA. Three miles south of Weitchpec, CA. Timber. Moderate fire behavior with uphill runs, short-range spotting and creeping.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Hog	CA-LMU	12,188	6,388	0	Ctn	7/30	514	-1,103	21	19	0	0	2M	ST
* Gold	CA-LMU	4,500	---	0	Ctn	8/4	152	---	2	17	5	0	500K	ST
Badger	CA-SKU	490	40	30	Ctn	7/21	226	-24	7	19	0	0	1.8M	ST
* Platina	CA-SHU	340	---	30	Ctn	7/29	388	---	10	35	3	0	725K	ST
* MP 21	CA-HIA	200	---	0	Ctn	7/27	0	---	0	0	0	0	200K	BIA

Southwest Area (PL 3)

New fires: 12
New large incidents: 0
Uncontained large fires: 8

Blue River 2, San Carlos Agency, BIA. Transfer of command from IMT 2 (SW Team 4) back to the local unit occurred yesterday. Fifteen miles northeast of San Carlos, AZ. Timber, brush and tall grass. Minimal fire behavior with smoldering. Structures threatened. Area and road closures in effect.

Jackson, Gila District, BLM. Eighteen miles west of Pima, AZ. Brush and short grass. Minimal fire behavior with smoldering.

Bighorn, Coronado NF, USFS. Five miles northeast of Tucson, AZ. Hardwood litter, brush and short grass. Minimal fire behavior with creeping and smoldering. Area, road and trail closures in effect.

Mangum, Kaibab NF, USFS. Twenty-four miles southeast of Fredonia, AZ. Timber, brush and short grass. Minimal fire behavior with smoldering. Area, road and trail closures in effect.

Pine, Prescott NF, USFS. Sixteen miles east of Cordes Lakes, AZ. Timber. Moderate fire behavior with flanking, backing and single tree torching. Trail closure in effect.

Cub, Gila NF, USFS. Fifteen miles southeast of Mogollon, NM. Timber, brush and tall grass. No new information.

Trementina Canyon, Las Vegas District, New Mexico State Forestry Division. Fifteen miles northwest of Trementina, NM. Tall grass. No new information.

Bringham, Apache-Sitgreaves NF, USFS. Twenty-two miles north of Morenci, AZ. Timber, brush and short 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			
Blue River 2	AZ-SCA	28,051	0	67	Ctn	7/25	154	-85	2	2	4	0	3.2M	BIA
Jackson	AZ-GID	2,946	0	95	Ctn	7/24	28	-5	1	1	0	0	1.1M	BLM
Bighorn	AZ-CNF	119,741	0	89	Ctn	8/10	70	-1	1	2	1	2	44.5M	FS
Mangum	AZ-KNF	71,450	0	95	Ctn	7/24	12	0	0	3	0	4	21M	FS
Pine	AZ-PNF	1,700	698	0	Ctn	8/10	7	-3	0	0	0	0	25K	FS
Cub	NM-GNF	23,216	---	82	Ctn	7/25	48	---	2	0	3	0	423K	FS
Trementina Canyon	NM-N4S	825	---	70	Ctn	7/22	30	---	1	2	0	0	540K	ST
Bringham	AZ-ASF	23,142	---	85	Ctn	7/31	0	---	0	0	0	2	9.4M	FS
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Thumb	AZ-TCA	1,700	---	0	Comp	8/17	4	---	0	0	1	0	6K	BIA
Polles	AZ-TNF	628	---	95	Comp	UNK	0	---	0	0	0	0	5.1M	FS

TCA – Truxton Canyon Agency, BIA TNF – Tonto NF, USFS

Southern California Area (PL 2)

New fires:	38
New large incidents:	0
Uncontained large fires:	1
Type 1 IMTs committed:	1

Mineral, Fresno-Kings Unit, Cal Fire. IMT 1 (Cal Fire Team 2). Nine miles west of Coalinga, CA. Timber, chaparral and tall grass. Moderate fire behavior with uphill runs and smoldering. Residences threatened. Evacuations have been lifted.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Mineral	CA-FKU	28,500	1,779	62	Ctn	7/24	745	-819	18	116	9	7	20.5M	ST

Rocky Mountain Area (PL 2)

New fires: 12
 New large incidents: 0
 Uncontained large fires: 4

Neiber, Wind River/Bighorn Basin District, BLM. Seven miles south of Worland, WY. Brush and short grass. Minimal fire behavior. Energy infrastructure and sage-grouse habitat threatened.

Fawn Creek, White River Field Office, BLM. Twenty-six miles southwest of Meeker, CO. Brush and tall grass. Moderate fire behavior with creeping, smoldering and isolated torching. Energy infrastructure and structures threatened.

Grassy, White River Field Office, BLM. Nine miles west of Meeker, CO. Brush and tall grass. Minimal fire behavior with smoldering. Reduction in acreage due to more accurate mapping.

Goose Creek, Rio Grande NF, USFS. Fourteen miles southeast of Creede, CO. Timber and grass. Minimal fire behavior with creeping and smoldering. Structures threatened. 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			
Neiber	WY-WBD	17,545	0	95	Ctn	7/21	30	-49	0	1	0	0	1.9M	BLM
Fawn Creek	CO-WRD	3,226	0	93	Ctn	7/21	34	-166	1	3	0	0	2.3M	BLM
Grassy	CO-WRD	860	-93	90	Ctn	7/21	6	-38	0	0	0	0	NR	BLM
Goose Creek	CO-RGF	171	0	75	Ctn	8/15	17	0	0	1	1	0	1.5M	FS
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Sand Creek	CO-SJF	107	---	20	Comp	8/31	10	---	0	0	0	0	3M	FS
Streeter	CO-MFX	1,639	---	90	Comp	7/25	2	---	0	0	0	0	360K	CNTY

SJF – San Juan NF, USFS

MFX – Moffat County

Northwest Area (PL 2)

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

Bertschi Road, Southeast Region, Washington DNR. IMT 2 (NW Team 10). Two miles south of Glenwood, WA. Timber, heavy slash and short grass. Minimal fire behavior with smoldering.

Rosland Road 0429 NE, Deschutes NF, USFS. Four miles northeast of La Pine, OR. Timber, brush and tall grass. Minimal fire behavior with creeping and smoldering. 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			
Bertschi Road	WA-SES	250	0	75	Ctn	7/25	338	-4	7	27	2	0	1.8M	ST
Rosland Road 0429 NE	OR-DEF	393	0	60	Ctn	7/23	180	0	7	8	0	0	500K	FS

Southern Area (PL 2)

New fires: 12
 New large incidents: 0
 Uncontained large fires: 2

Gate 5, Texas A&M Forest Service. Started on private land 18 miles northeast of Brady, TX. Brush and tall grass. Minimal fire behavior with smoldering. Structures threatened.

8 Mile Still Road #2, Georgia Forestry Commission. Three miles west of Homerville, GA. Timber. Minimal fire behavior.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Gate 5	TX-TXS	13,343	0	90	Ctn	7/21	48	-157	0	11	1	0	NR	PRI
8 Mile Still Road #2	GA-GAS	121	0	95	Ctn	UNK	3	-3	0	1	0	0	30K	ST
Game Ranch	TX-TXS	3,271	0	100	Ctn	---	0	-25	0	0	0	0	NR	PRI
Cochon	LA-SBR	2,555	-5,945	100	Comp	---	0	-4	0	0	0	0	15K	FWS

SBR – Sabine NWR, FWS

Northern Rockies Area (PL 2)

New fires: 4
 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			
Red Butte	MT-LG14	400	0	100	Ctn	---	0	-29	0	0	0	0	300K	PRI

LG14 – Custer County

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														
Sheenjek River	AK-UYD	5,505	---	0	Comp	10/1	0	---	0	0	0	0	143K	FWS
Coleen	AK-UYD	1,542	---	0	Comp	10/1	0	---	0	0	0	0	5K	FWS
Billy Hawk Creek	AK-GAD	2,240	---	95	Comp	9/15	0	---	0	0	0	0	6K	FWS
Wapoo Creek 2	AK-GAD	1,693	---	95	Comp	9/15	0	---	0	0	0	0	3K	ST
Tivehvun Lake	AK-UYD	829	---	0	Comp	10/1	0	---	0	0	0	0	2K	FWS
Old Lost	AK-UYD	477	---	0	Comp	10/1	0	---	0	0	0	0	5K	FWS
Wapoo Creek	AK-GAD	600	---	0	Comp	9/15	0	---	0	0	0	0	10K	ST
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

UYD – Upper Yukon Zone, BLM GAD – Galena 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	0	0	0
	ACRES	0	0	0	0	0	0	0
Northwest Area	FIRES	1	0	0	0	2	7	10
	ACRES	0	0	0	0	0	3	3
Northern California Area	FIRES	1	0	0	0	21	0	22
	ACRES	100	0	0	0	5,423	32	5,555
Southern California Area	FIRES	0	0	0	0	33	5	38
	ACRES	0	0	0	0	27	8	35
Northern Rockies Area	FIRES	1	0	0	0	1	2	4
	ACRES	236	0	0	0	1	0	237
Great Basin Area	FIRES	0	3	0	0	11	8	22
	ACRES	221	6,104	0	0	1,325	830	8,480
Southwest Area	FIRES	5	1	0	1	1	4	12
	ACRES	1	55	0	450	0	99	605
Rocky Mountain Area	FIRES	0	2	0	0	5	5	12
	ACRES	0	245	0	0	8	0	253
Eastern Area	FIRES	0	0	0	0	3	1	4
	ACRES	0	0	0	0	2	0	2
Southern Area	FIRES	0	0	0	0	12	0	12
	ACRES	0	0	0	0	16	0	16
TOTAL FIRES:		8	6	0	1	89	32	136
TOTAL ACRES:		558	6,404	0	450	6,802	972	15,186

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	134	0	0	160	15	309
	ACRES	0	45,244	0	0	132,294	26	177,564
Northwest Area	FIRES	159	98	36	3	595	263	1,154
	ACRES	2,179	3,343	9,848	0	12,882	662	28,914
Northern California Area	FIRES	8	21	1	15	1,822	208	2,075
	ACRES	102	1,822	0	2	26,057	587	28,570
Southern California Area	FIRES	17	75	3	14	2,607	335	3,051
	ACRES	28	795	1	1,097	21,890	1,862	25,673
Northern Rockies Area	FIRES	597	21	4	0	460	130	1,212
	ACRES	4,121	133	780	0	18,830	375	24,239
Great Basin Area	FIRES	27	475	16	30	603	151	1,302
	ACRES	383	276,510	64	66	80,766	35,067	392,856
Southwest Area	FIRES	563	175	18	24	442	803	2,025
	ACRES	44,495	14,003	1,805	539	43,434	515,722	619,998
Rocky Mountain Area	FIRES	283	207	10	7	589	307	1,403
	ACRES	3,172	34,147	365	47	83,850	3,334	124,915
Eastern Area	FIRES	329	0	33	9	6,081	386	6,838
	ACRES	297	0	3,278	52	20,634	1,585	25,846
Southern Area	FIRES	250	86	23	42	9,138	299	9,838
	ACRES	18,489	404	3,419	32,835	235,020	22,789	312,956
TOTAL FIRES:		2,233	1,292	144	144	22,497	2,897	29,207
TOTAL ACRES:		73,266	376,401	19,560	34,638	675,657	582,009	1,761,531

Ten Year Average Fires (2010 – 2019 as of today)	32,562
Ten Year Average Acres (2010 – 2019 as of today)	3,046,380

***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	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
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	0	1	1
	ACRES	0	0	0	0	0	1,319	1,319
TOTAL FIRES:		0	0	0	0	0	1	1
TOTAL ACRES:		0	0	0	0	0	1,319	1,319

***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	2	0	212	677
YUKON TERRITORY	0	0	19	15,136
ALBERTA	4	0	402	753,589
NORTHWEST TERRITORY	0	1,108	58	15,268
SASKATCHEWAN	0	5	88	42,057
MANITOBA	0	0	83	45,349
ONTARIO	2	0	400	5,479
QUEBEC	0	0	610	67,518
NEWFOUNDLAND	4	3	48	1,015
NEW BRUNSWICK	0	0	317	1,138
NOVA SCOTIA	0	0	118	643
PRINCE EDWARD ISLAND	0	0	9	8
NATIONAL PARKS	0	0	27	186
TOTALS	12	1,116	2,391	948,061

*1 Hectare = 2.47 Acres

Predictive Services Discussion: Critical fire weather conditions for widely scattered dry and wet storms are expected across Northern California, Nevada, Southern Oregon, and western Utah as a low pressure area off California pulls monsoonal moisture northwest from the main plume centered over the Four Corner states and Wyoming. By afternoon, the northern fringes of the moisture should reach into south central Montana. Storms should be mostly wet near the Continental Divide, but increases in IA are expected. In the East, hot and humid conditions will continue; however, temperatures will be down a few degrees as the high pressure area begins to weaken in response to a cold front that is expected to move across the middle Mississippi and Ohio river valleys.

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



Hazard Tree Felling Safety Tips 1

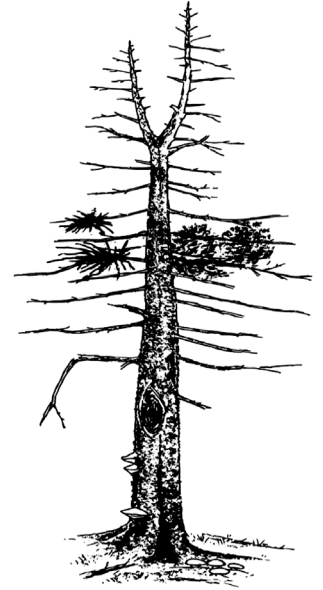
Felling Safety Category

Felling a hazard tree requires accurate risk assessment and complexity analysis, and demands the sawyer's full situational awareness. In all cases, remember to establish and maintain a secure felling area.

Do not bypass hazard trees without taking some action such as felling or establishing a No-Work-Zone.

Degree of hazard varies with tree size, species, and type/location of defect:

- Stem defects resulting in tree failure, i.e., collapse.
- Weakened sapwood resulting in loss of control when falling trees & limits solid wood for wedging.
- Overhead hazards, i.e., dead or hanging limbs falling on the faller.



Indicators of potential felling hazards:

Dead Limbs: limbs of all sizes and species with decay evident cracking, or loose, hung-up limbs. Avoid working under overhead hazards.

Witches Broom: caused by mistletoe infection, limbs can grow very large and heavy (200+ lbs.)

Split Trunk: cracked trunk from frost, lightning, or wind. Visible evidence of advanced decay indicates serious weakness where the tree could fail.

Stem Damage: caused by windfall, scarring, fire, machine, and animal damage, as well as heart rot diseases.

Thick Sloughing Bark or Sloughing Sapwood: usually found on dead trees. Loose bark on Douglas fir or loose sapwood on wind snapped cedars can dislodge during falling.

Butt and Stem Cankers: usually found on deciduous trees but can occur on Douglas fir and pine. The infected areas weaken the stem.

Fungal Fruiting Bodies or Conks: found on stems it may indicate massive interior rot 1 – 2 yards above and below conk. Excessive resinosis (resin flow) also indicates heart or root diseases.

Heavy Tree Lean: may be caused by damaged roots or lifting root mats, shallow or wet soils. In some cases, the tree may have corrected itself which can be determined by looking for corrected top growth.

Root Condition: look for any ground cracks around the base of the tree, signs of decay or fungal conks on the roots.

Cat Face: look for enough solid wood to construct an effective undercut and back cut.

Resources:

[Hazard Tree Safety Web Page](#), [Incident Response Pocket Guide](#), PMS 461, [Interagency Standards for Fire & Fire Aviation Operations](#), [Wildland Fire Incident Management Field Guide](#), PMS 210