National Interagency Coordination Center Incident Management Situation Report Thursday, July 7, 2022 – 0730 MDT National Preparedness Level 2

National Fire Activity:

Initial attack activity:	Light (150 fires)
New large incidents:	7
Large fires contained:	2
Uncontained large fires: **	12
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	5
***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 67 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.

	Active Incident Resource Summary											
GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel	Change in Personnel					
AICC	16	1,216,044	45	13	18	1,814	189					
NWCC	2	71,115.25	0	10	0	33	0					
ONCC	2	5,016	55	163	15	1,966	491					
OSCC	2	2,897	17	30	0	398	0					
NRCC	0	0	0	0	0	0	0					
GBCC	7	7,475	14	13	8	627	-288					
SWCC	8	775,503	9	8	1	588	-85					
RMCC	0	0	0	0	0	0	0					
EACC	0	0	0	0	0	0	0					
SACC	9	23,119	2	39	2	295	62					
Total	46	2,101,169	142	276	44	5,721	369					

<u>Alaska Area (PL 5)</u>	
New fires:	13
New large incidents:	3
Uncontained large fires:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	4

Clear, Fairbanks Area, Alaska DOF. IMT 2 (NW Team 10). Ten miles northwest of Anderson, AK. Timber and short grass. Active fire behavior with group torching, torching and spotting. Numerous residences threatened. Evacuations in effect.

Minto Lakes, Fairbanks Area, Alaska DOF. IMT 1 (CA Team 1). Nineteen miles north of Whittier, AK. Timber and hardwood litter. Minimal fire behavior with flanking, backing and smoldering. Residences threatened. Area, road and trail closures in effect.

Lime Complex (14 fires), Southwest Area, Alaska DOF. IMT 2 (AK Green Team). Fifty miles east of Chuathbaluk, AK. Grass, timber and brush. Minimal fire behavior. Numerous structures, communication and energy infrastructure threatened. Precipitation occurred over the fire area yesterday.

Bean Complex (5 fires), Tanana Zone, BLM. IMT 2 (NW Team 7). Started on state land 100 miles west of Fairbanks, AK. Timber and short grass. Active fire behavior with running, torching and spotting. Structures threatened.

Middle Tanana Complex, Delta Area, Alaska DOF. IMT 2 (NR Team 3). Thirty-two miles northeast of Delta Junction, AK. Timber. Active fire behavior with short crown runs, uphill runs and flanking.

Dalton Highway Complex (4 fires), Tanana Zone, BLM. Twenty-five miles south of Coldfoot, AK. Timber and short grass. Moderate fire behavior with group torching, backing and creeping. Structures and energy infrastructure threatened. Last narrative report unless significant activity occurs.

Poorman Complex (3 fires), Galena Zone, BLM. Previously reported incident. Thirty-eight miles southeast of Ruby, AK. Timber litter. Moderate fire behavior with backing and creeping. Structures threatened. Precipitation occurred over the fire area yesterday. Last narrative report unless significant activity occurs.

Snohomish, Tanana Zone, BLM. Previously reported incident. Started on state land 15 miles southwest of Lake Minchumina, AK. Timber and tall grass. Moderate fire behavior with backing. Community of Lake Minchumina and structures threatened. Last narrative report unless significant activity occurs.

Hog Butte, Tanana Zone, BLM. Previously reported incident. Twenty-one miles northwest of Telida, AK. Timber and short grass. Moderate fire behavior. Structures threatened. Last narrative report unless significant activity occurs.

* **Biederman**, Upper Yukon Zone, BLM. Started on NPS land 52 miles southeast of Circle, AK. Timber. Active fire behavior. Structures threatened. Last narrative report unless significant activity occurs.

* **Fanny Mountain**, Upper Yukon Zone, BLM. Fifty-three miles east of Circle, AK. Timber. Active fire behavior with backing, running and torching. Last narrative report unless significant activity occurs.

* **Salmon**, Upper Yukon Zone, BLM. Sixty-five miles east of Chalkyitsik, AK. Timber. Moderate fire behavior. Last narrative report unless significant activity occurs.

Incident Name	Unit	Siz	Size		% Ctn/	Est	Personnel		Resources			Strc	\$\$	Origin
Incident Name		Acres	Chge	/0	Comp	L3(Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Clear	AK-FAS	55,585	2,598	8	Comp	7/30	487	-5	13	8	4	1	7.4M	ST

In eident Nome	Linit	Si	ze	%	Ctn/	Est	Perso	onnel	R	esourc	es	Strc	\$\$	Origin
Incident Name	Unit	Acres	Chge	%	Comp	ESt	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Minto Lakes	AK-FAS	34,386	0	0	Comp	7/30	297	8	10	3	1	0	3.4M	ST
Lime Complex	AK-SWS	785,539	3,071	0	Comp	8/1	185	-2	4	0	6	8	8.4M	ST
Bean Complex	AK-TAD	147,534	6,530	0	Comp	10/1	259	16	6	0	2	0	3.9M	ST
Middle Tanana Complex	AK-DAS	26,456	25,164	0	Comp	10/31	155	155	2	0	0	0	250K	ST
Large	Fires Being	Managed	with a Stra	ateg	y Other	Than Full	Suppres	sion With	iout a T	ype 1	or 2 IM	IT Assi	gned	
Dalton Highway Complex	AK-TAD	74,385	4,513	0	Comp	8/31	90	-21	1	0	2	0	NR	BLM
Poorman Complex	AK-GAD	55,504	3,011	0	Comp	8/1	105	1	2	0	1	0	942K	BLM
Snohomish	AK-TAD	28,685	4,099	0	Comp	8/31	41	0	2	0	0	0	130K	ST
Hog Butte	AK-TAD	208,826	71,934	0	Comp	UNK	0	0	0	0	0	0	650K	ST
* Biederman	AK-UYD	1,568		0	Comp	10/1	10		0	0	0	0	15K	NPS
* Fanny Mountain	AK-UYD	1,431		0	Comp	10/1	0		0	0	0	0	NR	BLM
* Salmon	AK-UYD	488		0	Comp	10/1	0		0	0	0	0	NR	BLM
Goose	AK-UYD	4,241	477	0	Comp	8/22	24	0	1	0	0	0	130K	FWS
Melozitna	AK-GAD	6,491	-397	0	Comp	8/24	0	0	0	0	0	0	15K	BLM
Middle Fork	AK-FAS	1,245		0	Comp	8/15	6		0	0	0	0	60K	ST
Central Creek Airstrip	AK-DAS	5,498		0	Comp	7/20	0		0	0	0	0	69K	ST
Waterfall	AK-UYD	1,689		0	Comp	10/1	0		0	0	0	0	NR	PRI
Tatlawiksuk	AK-SWS	209,483		0	Comp	10/31	0		0	0	0	0	8K	ST
Iowithla River	AK-SWS	42,880		0	Comp	10/31	0		0	0	0	0	193K	ST
Submarine Creek	AK-SWS	27,560		0	Comp	10/31	0		0	0	0	24	171K	ST
Sawpit Creek	AK-SWS	26,243		0	Comp	10/31	0		0	0	0	0	59K	ST
Pauls Creek	AK-SWS	17,948		0	Comp	10/31	0		0	0	0	0	4K	ST
Ponglevik River	AK-SWS	3,081		0	Comp	10/31	0		0	0	0	0	4K	FWS
Leaf	AK-TAD	2,400		0	Comp	9/1	0		0	0	0	0	NR	BLM
Koness	AK-UYD	313		0	Comp	9/1	12		0	0	0	0	NR	BLM
Fourth of July Creek	AK-SWS	51,146		0	Comp	10/31	0		0	0	0	0	68K	ST
Kokwok	AK-SWS	31,497		0	Comp	10/31	0		0	0	0	0	13K	ST
Contact Creek	AK-SWS	10,654		0	Comp	10/31	0		0	0	0	0	25K	NPS
Tuklung River	AK-SWS	6,591		0	Comp	10/31	0		0	0	0	0	20K	FWS
Fork Creek	AK-SWS	2,741		0	Comp	10/31	0		0	0	0	0	7K	FWS
Ongoke River	AK-SWS	1,426		0	Comp	10/31	0		0	0	0	0	NR	FWS
Ongivinuk River	AK-SWS	735		10	Comp	10/31	0		0	0	0	0	2K	ST
Lansing Creek	AK-UYD	35,801		0	Comp	8/31	0		0	0	0	0	5K	FWS
North Fork	AK-UYD	33,512		0	Comp	8/31	0		0	0	0	0	NR	BLM
Radio Creek	AK-GAD	17,957		0	Comp	8/31	0		0	0	0	0	NR	BLM
Schilling Creek	AK-UYD	14,260		0	Comp	8/31	4		0	0	0	0	55K	BLM
Paddle	AK-UYD	13,835		0	Comp	8/31	0		0	0	0	0	NR	FWS
Boatman	AK-UYD	5,173		0	Comp	8/31	0		0	0	0	0	NR	BLM

Incident Name	Unit	Si	ze	%	Ctn/		Perso	onnel	R	esourc	es	Strc	\$\$	Origin
incident Name	Offic	Acres	Chge	70	Comp		Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Hilltop	AK-TAD	4,103		0	Comp	10/1	0		0	0	0	0	1K	BLM
Eddy Creek	AK-GAD	3,355		0	Comp	8/31	0		0	0	0	0	NR	BLM
Tagagawik 2	AK-GAD	620		0	Comp	8/31	0		0	0	0	0	NR	BLM
Apoon Pass	AK-GAD	84,138		0	Comp	8/10	0		0	0	0	0	55K	FWS
Holonada	AK-TAD	566		0	Comp	10/1	0		0	0	0	0	5K	BLM
Fish Creek	AK-TAD	1,054		0	Comp	8/31	0		0	0	0	0	NR	ST
Adak	AK-SWS	919		0	Comp	10/31	0		0	0	0	0	NR	FWS

Northern California Area (PL 2)

New fires:	24
New large incidents:	0
Uncontained large fires:	2
Type 1 IMTs committed:	1

Electra, Amador-El Dorado Unit, Cal Fire. IMT 1 (Cal Fire Team 3). Four miles southwest of Jackson, CA. Brush, short grass and timber. Moderate fire behavior with flanking and smoldering. Several communities, numerous structures and energy infrastructure threatened. Evacuations and road closures in effect.

Rices, Nevada-Yuba-Placer Unit, Cal Fire. Eight miles southeast of North San Juan, CA. Brush and hardwood slash. Minimal fire behavior.

Incident Name	Unit	Size		%	Ctn/	Est	Personnel		Resources			Strc		Origin
modent Name	Offic	Acres	Chge	70	Comp	L31	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Electra	CA-AEU	4,112	212	40	Ctn	7/18	1,864	530	52	161	14	0	2.3M	ST
Rices	CA-NEU	904	0	98	Ctn	UNK	102	-3	3	2	1	13	16.7M	ST

Southwest Area (PL 2)

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

Hermits Peak, Santa Fe NF, USFS. IMT 2 (GB Team 7). 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.

Pipeline, Coconino NF, USFS. Five miles north of Flagstaff, AZ. Timber, brush and grass. Minimal fire behavior. Area, road and trail closures in effect.

Black, Gila NF, USFS. Twenty-four miles north of Mimbres, NM. Grass and timber. Minimal fire behavior. Area, road and trail closures in effect.

Incident Name	Unit	Size		%	Ctn/ Est		Personnel		Resources			Strc		Origin
incluent Name	Offic	Acres	Chge	70	Comp	L51	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Hermits Peak	NM-SNF	341,735	0	93	Ctn	7/31	472	-84	5	3	1	903	273M	FS
Pipeline	AZ-COF	26,532	0	90	Ctn	7/31	33	0	1	2	0	2	16M	FS

Unit		Size		Ctn/	Est	Personnel		Resources			Strc	\$\$	Origin
	Acres	Chge	%	Comp	231	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
M-GNF	325,136	0	70	Ctn	7/17	39	0	2	0	0	5	59.3M	FS
Large Fires Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned													
Z-A5S	623		0	Comp	7/20	2		0	0	0	0	15K	ST
Z-A5S	815	0	100	Comp		1	-1	0	0	0	0	65K	ST
ir Z	es Being Z-A5S Z-A5S	es Being Managec Z-A5S 623	es Being Managed with a St Z-A5S 623 Z-A5S 815 0	es Being Managed with a Strategy Z-A5S 623 0 Z-A5S 815 0 100	es Being Managed with a Strategy Other T Z-A5S 623 0 Comp Z-A5S 815 0 100 Comp	es Being Managed with a Strategy Other Than Full Z-A5S 623 0 Comp 7/20 Z-A5S 815 0 100 Comp	es Being Managed with a Strategy Other Than Full Suppress Z-A5S 623 0 Comp 7/20 2 Z-A5S 815 0 100 Comp 1	es Being Managed with a Strategy Other Than Full Suppression With Z-A5S0Comp7/202Z-A5S8150100Comp1-1	es Being Managed with a Strategy Other Than Full Suppression Without a TZ-A5S6230Comp7/2020Z-A5S8150100Comp1-10	res Being Managed with a Strategy Other Than Full Suppression Without a Type 1 ofZ-A5S6236230Comp7/20220100Comp1-100	es Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IM Z-A5S 623 0 Comp 7/20 2 0 0 0 Z-A5S 815 0 100 Comp 1 -1 0 0 0	es Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assig Z-A5S 623 0 Comp 7/20 2 0 <	es Being Managed with a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned Z-A5S 623 0 Comp 7/20 2 0 0 0 15K Z-A5S 815 0 100 Comp 1 -1 0 0 0 65K

A5S - Northwest District, Arizona DOI

Southern Area (PL 2)

New fires:	38
New large incidents:	4
Uncontained large fires:	4

* Koonce, Texas A&M Forest Service. Started on private land six miles southwest of Iowa Park, TX. Short grass and brush. Extreme fire behavior with short-range spotting and short crown runs. Road closures in effect.

* Deer, Texas A&M Forest Service. Started on private land 17 miles southeast of Falfurrias, TX. Short grass. Moderate fire behavior.

* Hard Castle, Texas A&M Forest Service. Started on private land six miles north of Meridian, TX. Tall grass and brush. Moderate fire behavior with spotting and running. Structures threatened.

Ferebee Road, North Carolina Forest Service. Thirteen miles northeast of Belhaven, NC. Southern rough. Moderate fire behavior with smoldering. Area closures in effect.

Incident Name	Unit	Size		%	Ctn/	Est	Personnel		Resources			Strc	\$\$	Origin
	Offic	Acres	Chge	70	Comp	L31	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
* Koonce	TX-TXS	3,000		0	Ctn	7/11	55		0	8	0	0	NR	PRI
* Deer	TX-TXS	1,300		65	Ctn	7/9	37		0	5	0	0	NR	PRI
* Hard Castle	TX-TXS	300		0	Ctn	7/10	6		0	0	1	0	NR	PRI
Ferebee Road	NC-NCS	1,938	0	90	Ctn	7/31	91	-3	0	16	1	0	1.9M	ST
* Bailey	LA-KIF	144		100	Ctn		4		0	1	0	0	7K	FS

KIF – Kisatchie NF, USFS

Great Basin Area (PL 2)

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

Goshute, Elko District, BLM. Twenty-five miles south of Wendover, NV. Timber. Minimal fire behavior with smoldering. Structures and sage-grouse habitat threatened.

Sandy, Bridger-Teton NF, USFS. Seven miles southwest of Bondurant, WY. Timber. Minimal fire behavior with creeping and smoldering. Area and trail closures in effect.

Incident Name	Unit	Size		% Ctn/	Ctn/	Est	Personnel		Resources		es	Strc	\$\$	Origin
		Acres	Chge	/0	Comp	231	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Goshute	NV-EKD	1,966	0	80	Ctn	7/18	175	-51	4	1	4	0	2.8M	BLM

Incident Name	Unit	Size		%	Ctn/	Est	Personnel		Resources		es	Strc	\$\$	Origin
		Acres	Chge	/0	Comp	231	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Sandy	WY-BTF	102	0	90	Ctn	7/10	23	-128	0	1	1	0	1.2M	FS

Northwest Area (PL 1)

New fires:	15
New large incidents:	0
Uncontained large fires:	1

Byron Hill, Spokane District, BLM. Started on county land five miles southeast of Maptin, WA. Grass and brush. No new information.

Incident Name	Unit	Si	Size		% Ctn/		Personnel		Resources			Strc		Origin
	Onit	Acres	Chge	70	Comp	Est	Total	Chge	Crw	Eng	Heli	Lost	CTD	Own
Byron Hill	WA-SPD	1,800		90	Ctn	UNK	0		0	0	0	0	6K	C&L
Willow Creek	OR-VAD	40,274	0	100	Ctn		24	0	0	7	0	0	285K	PRI

VAD - Vale District, BLM

Fires	and	Acres	Yesterday	(by	Protection):	

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	9	0	0	4	0	13
Alaska Alea	ACRES	0	22,922	0	0	13,597	0	36,519
Northwest Area	FIRES	0	0	0	0	10	5	15
Nonnwest Area	ACRES	0	0	0	0	1	0	1
Northern California Area	FIRES	0	0	0	0	23	1	24
Northern California Area	ACRES	0	0	0	0	3,033	0	3,033
Southern California Area	FIRES	0	0	0	0	25	2	27
Southern California Area	ACRES	0	0	0	0	17	1	18
Northern Rockies Area	FIRES	2	0	0	0	0	2	4
Northern Rockies Area	ACRES	1	0	0	0	0	0	1
	FIRES	0	3	0	0	9	0	12
Great Basin Area	ACRES	0	47	0	0	101	0	148
Courthurson Arrow	FIRES	1	0	0	0	0	0	1
Southwest Area	ACRES	0	0	0	0	0	0	0
Decky Mountain Area	FIRES	1	12	0	0	2	1	16
Rocky Mountain Area	ACRES	0	85	0	0	39	0	124
	FIRES	0	0	0	0	0	0	0
Eastern Area	ACRES	0	0	0	0	0	0	0
Southorn Area	FIRES	7	0	0	3	23	5	38
Southern Area	ACRES	8	0	0	0	24	45	77
TOTAL FIRES:		11	24	0	3	96	16	150
TOTAL ACRES:		9	23,054	0	0	16,812	46	39,921

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

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
	FIRES	0	129	0	0	264	22	415
Alaska Area	ACRES	0	981,613	0	0	1,391,488	10	2,373,111
Northwest Area	FIRES	62	55	8	1	252	88	466
Northwest / Tea	ACRES	707	35,280	22	0	309	13	36,331
Northern California Area	FIRES	6	9	0	6	1,528	100	1,649
Nonnem California Area	ACRES	2	13	0	0	11,080	324	11,419
Southern California Area	FIRES	15	30	1	11	2,143	250	2,450
Southern California Area	ACRES	9	285	100	376	16,588	1,892	19,250
Northern Rockies Area	FIRES	195	7	2	0	311	58	573
Northern Rockies Area	ACRES	472	4	206	0	3,187	90	3,959
Great Basin Area	FIRES	14	175	3	16	320	74	602
Gleat Dasili Alea	ACRES	37	6,250	0	10	6,548	4,394	17,239
Southwest Area	FIRES	310	121	2	9	438	478	1,358
Southwest Alea	ACRES	40,737	8,669	1	5	159,647	755,840	964,899
Rocky Mountain Area	FIRES	152	95	11	9	777	121	1,165
Rocky Mountain Area	ACRES	4,806	1,686	130	572	165,318	7,417	179,929
Eastern Area	FIRES	84	0	20	8	4,361	271	4,744
Eastern Alea	ACRES	253	0	680	10	30,389	2,610	33,942
Southern Area	FIRES	529	4	17	55	20,522	515	21,642
	ACRES	96,510	88	2,541	2,511	880,705	37,417	1,019,772
TOTAL FIRES:		1,367	625	64	115	30,916	1,977	35,064
TOTAL ACRES:		143,534	1,033,888	3,680	3,485	2,665,259	810,008	4,659,854

Ten Year Average Fires (2012 – 2021 as of today)	27,926
Ten Year Average Acres (2012 – 2021 as of today)	2,115,137

***Changes in some agency YTD acres reflect more accurate mapping or reporting adjustments. ***Additional wildfire information is available through the Geographic Areas at <u>https://gacc.nifc.gov/</u>

Canadian Fires and Hectares

PROVINCES	FIRES YESTERDAY	HECTARES YESTERDAY	FIRES YEAR-TO-DATE	HECTARES YEAR-TO- DATE
BRITISH COLUMBIA	8	7	242	5,259
YUKON TERRITORY	19	16,529	174	62,335
ALBERTA	5	4,531	516	50,111
NORTHWEST TERRITORY	5	45,913	88	131,265
SASKATCHEWAN	1	0	169	63,808
MANITOBA	0	1,921	29	8,362
ONTARIO	0	1	110	2,396
QUEBEC	1	0	285	29,488
NEWFOUNDLAND	2	9	38	677
NEW BRUNSWICK	1	4	152	128
NOVA SCOTIA	3	0	84	3,362
PRINCE EDWARD ISLAND	0	0	2	0
NATIONAL PARKS	2	1,415	49	1,917
TOTALS	47	70,330	1,939	359,108

*1 Hectare = 2.47 Acres

Predictive Services Discussion: Isolated to scattered thunderstorms are forecast for central and eastern portions of the Interior and Brooks Range, with areas near the Canadian border favored. Showers, cooler temperatures, and higher humidity will spread from southwest Alaska into south-central Alaska and possibly western poritons of the Interior, but gusty southerly winds are possible in western and southern portions of the Interior, especially near wind favored gaps of the Alaska Range. Dry and breezy conditions will continue across portions of the Great Basin, with hot and dry conditions in much of Texas and Oklahoma. Monsoon thunderstorms will shift east and primarily develop over New Mexico, Colorado into Wyoming, and perhaps far southeast Arizona. Thunderstorms will continue across portions of the Intensity across Montana onto the northern and central High Plains. Strong to severe thunderstorms are possible across the central Plains and through the Mid-Atlantic and southern and central Appalachians.

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



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 and 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 (Red Book)

Have an idea? Have feedback? Share it.

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