SOUTHERN AREA COORDINATION CENTER

2021 ANNUAL ACTIVITY REPORT

AL-ALF Duck Nest 2021

Southern Area 2021 Activity Report

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2021 Southern Area Fire Weather

The majority of the Southern Area observed warmer than normal temperatures in 2021, with a few counties in northern Virginia experiencing record warm conditions. Above normal precipitation was common along the Gulf Coast into southern Georgia, and across a good part of the Tennessee and Ohio Valleys. Portions of southeastern Louisiana and southern Mississippi experienced their wettest year on record, driven by consistently above normal rainfall from April through October. Hurricane Ida and the remnants of Hurricane Nicholas a few weeks later contributed some 15-25" to the year's totals there.
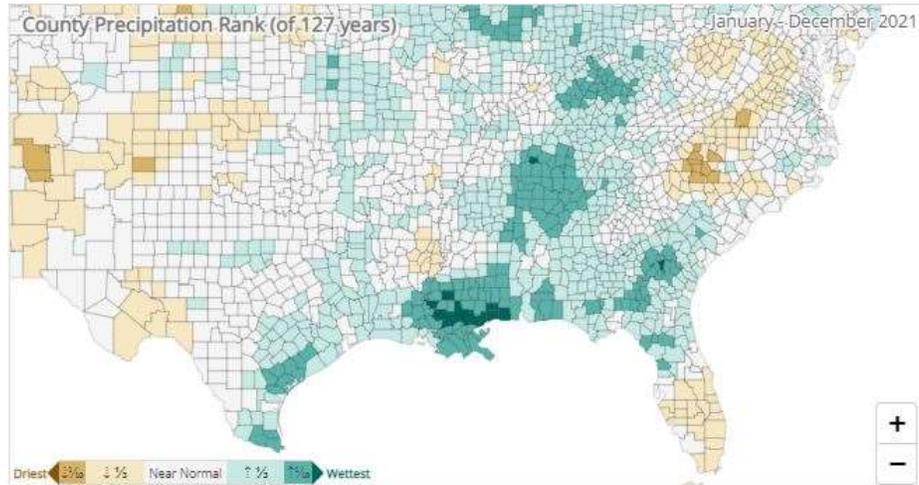

Image courtesy of NOAA NCEI. 2021 was the wettest year on record in parts of the Deep South, western Tennessee, and southeast Georgia.

After a mild January, an Arctic air mass plunged southwards across the Plains and overspread the western half of the Southern Area during the second week of February. Widespread heavy snow and freezing rain affected Texas, Oklahoma and Arkansas, and this winter storm was followed by a renewed push of Arctic air that dropped temperatures below zero at DFW Airport for the first time since 1930. Hundreds of fatalities occurred as Texas' power grid failed and temperatures remained as much as 25 to 40 degrees below normal for more than a week. The wintry precipitation and prolonged cold snap are thought to be the costliest winter storm event on record in the United States, with more than $25 billion in damages.
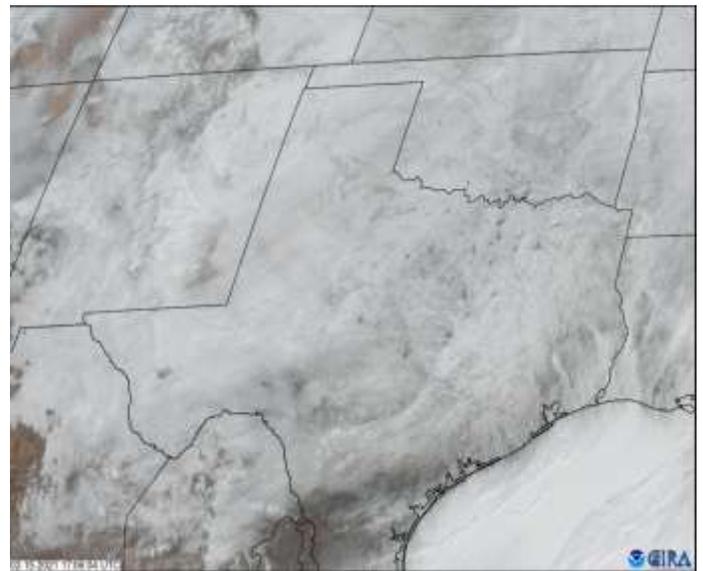
Image courtesy of Colorado State University's CIRA showing widespread snow cover across Texas, Oklahoma, and adjacent areas on February 15, 2021.

From March 24th-25th, a severe thunderstorm outbreak produced at least 41 tornadoes across parts of Kentucky, Tennessee, Mississippi, Alabama, and Georgia, resulting in widespread property and tree damage. Another round of severe thunderstorms affected the Southern Area a few days later, with significant flooding reported in Nashville, TN.

Meteorological summer (defined as June-August) was wetter than normal over the majority of the Southern Area and was the wettest summer on record for parts of eastern Louisiana, Mississippi, Alabama, Tennessee, and Kentucky. Temperatures for the summer averaged near normal in most states, but

warmer than normal conditions affected Virginia.

NWS aerial storm survey from the December 10-11, 2021 tornado outbreak near Land Between the Lakes in western Kentucky, courtesy of NWS Paducah.

December 2021 was anomalous for both widespread record warmth and for several unusual severe weather outbreaks in areas that rarely even see thunderstorms during winter. December was the warmest on record across Texas, Oklahoma, Arkansas, Louisiana, Mississippi and western parts of Tennessee and Kentucky. Average temperatures across Texas were more than six degrees warmer than the previous warmest De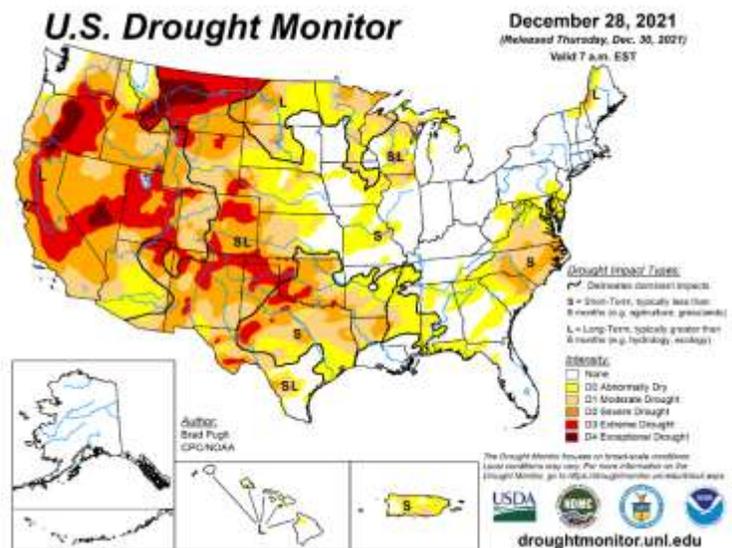cember. An historic tornado outbreak occurred on December 10th and 11th in parts of Arkansas, Tennessee, Kentucky, and neighboring Missouri. Two long-tracked EF4 tornadoes affected the region, causing widespread destruction and resulting in 94 fatalities, making it the worst December tornado outbreak in U.S. history.

The U.S. Drought Monitor on Dec. 28, 2021, showed widespread drought conditions across the Southern Area, which developed rapidly through the fall and early winter months after a wet spring and summer.

A drying trend that began in far western parts of the Southern Area during September expanded across Oklahoma and Texas in November and December, with increasing areas across the Great Plains experiencing historically dry conditions for late fall and early winter. Miniscule portions of Texas and Oklahoma were in drought status as of September 7th, but by the end of the year, severe to extreme drought was increasingly widespread across the northwest half of Texas into much of Oklahoma. Dry and warm weather elsewhere also led to the development of moderate to severe drought across the Carolinas into southern Virginia, and over portions of the Lower Mississippi Valley.

2021 Hurricane Season

The 2021 hurricane season was the sixth in a row with above normal activity, with 21 named storms – seven of those strengthened into hurricanes, three of which achieved major status. Eight tropical cyclones directly affected the United States, while four passed by close enough to create indirect flooding and high seas impacts. Louisiana and Florida were impacted by three tropical cyclones, with Louisiana particularly hit hard by Hurricane Ida, the second Category 4 hurricane to make landfall in the state in as many years. Weak La Niña conditions in the Pacific, a warmer than normal Atlantic, and an active west African monsoonal circulation all contributed to the high number of named storms. The number of hurricanes and major hurricanes were near to slightly above the 30-year average, despite exhausting the full list of storm names due to the number of tropical storms that developed.

Tropical Storm Claudette was the first to make landfall in the Southern Area on June 18th. Claudette produced rainfall up to 15.28" near Gulfport, MS, and a storm surge of 2-4' along the Louisiana and Mississippi coastlines. It was notable for its 22.07-miles-long tornado that caused EF-2 winds up to 127 mph in southern Alabama.

Hurricane Ida rapidly strengthened into a Category 4 hurricane while passing over the Gulf of Mexico's loop current – a deep eddy of unusually warm water. Image courtesy of the University of Miami.

Ten days later, Tropical Storm Danny made landfall near Hilton Head, SC, with maximum sustained winds of 40 mph. Minor flooding occurred across South Carolina and Georgia, with some tree damage noted closer to the coast.

Elsa was a tropical storm that made landfall near Florida's Big Bend on July 7th after twice becoming a hurricane, firstly over the eastern Caribbean and briefly after emerging off the Cuban coast. Maximum sustained winds at landfall were estimated to be 65 mph. Other than some wind damage near its path, Elsa produced flash flooding in parts of the East and spawned 18 tornadoes.

Tropical Storm Fred strengthened on approach to Cape San Blas, FL, on August 16th, reaching maximum sustained winds of 65 mph. Fred produced at least 30 tornadoes in the eastern United States and was responsible for considerable flooding from northern Florida into the southern Appalachians. Portions of western North Carolina recorded nearly a foot of rainfall, pushing the east fork of the Pigeon River to an historic crest.

Hurricane Ida rapidly intensified over the Gulf of Mexico's loop current on its way towards Louisiana in late August. Ida was a strong category 4 hurricane when it made landfall along the Louisiana coast during the late morning hours of August 29th. Carrying maximum sustained winds of 150 mph, it tied 2020's Hurricane Laura and 1856's "Last Island" hurricane for the strongest hurricane to make landfall in Louisiana history. Catastrophic damage occurred from southeastern Louisiana into parts of Mississippi, and the storm's surge caused the Mississippi River to flow backwards for a time. Rainfall amounts of 10-15" from far southeast Louisiana into southern Mississippi and Alabama caused flash flooding, and a number of tornadoes were reported along Ida's track towards the central Appalachians. Additional significant
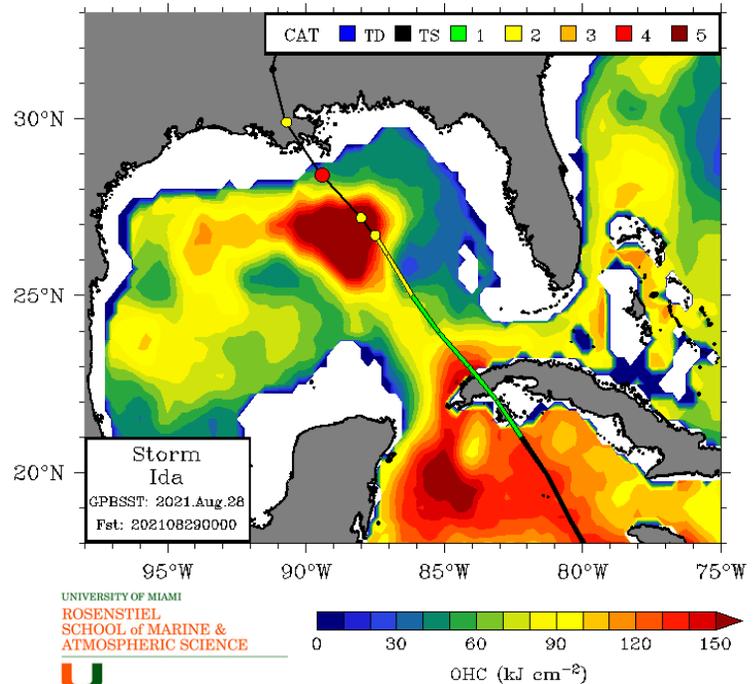
flooding occurred in parts of the Northeast U.S., as well. Ida was the strongest hurricane to make landfall in the U.S. in 2021, and it resulted in $75 billion in damages.

Tropical Storm Mindy quickly formed on September 8th over the Gulf of Mexico and made landfall that evening on St. Vincent Island, FL, with maximum sustained winds of 60 mph. Rainfall totals of 3-6" occurred with Mindy, and damage was minimal overall.

Hurricane Nicholas developed in the western Gulf of Mexico and made landfall as a category 1 storm near Sargent Beach, TX, on September 13th with maximum sustained winds of 75 mph. Nicholas' slow forward motion after landfall allowed it to dump as much as 14-18" of rain from the Houston metro area into southern Louisiana, resulting in significant flooding. Coastal flooding and downed trees were also prevalent near Nicholas' track across southeast Texas. Nicholas was the last storm of the 2021 season to make landfall in the United States.

Preparedness Level Review

In 2021, the Southern Area Preparedness Level (PL) was elevated and decreased accordingly:

- After 68 days (from January 1) at PL 1, elevated to PL 2 on March 10.
- After 55 days at PL 2, decreased to PL 1 on May 4.
- After 116 days at PL 1, elevated to PL 2 on August 28.
- After 10 days at PL 2, decreased to PL 1 on September 7.
- After 59 days at PL 1, elevated to PL 2 on November 29.
- For 32 days (through December 31), remained at PL 2.
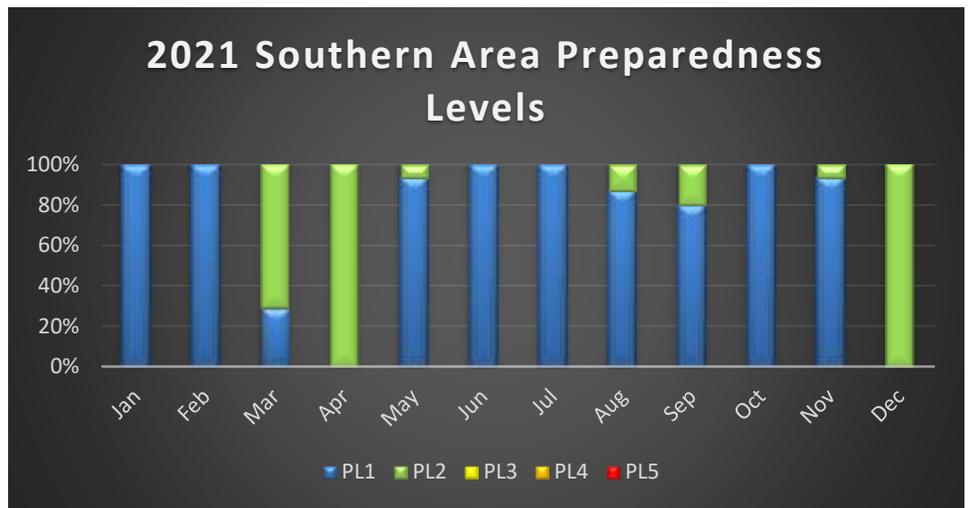
Above chart illustrates the percentage of days Southern Area spent at each preparedness level monthly.
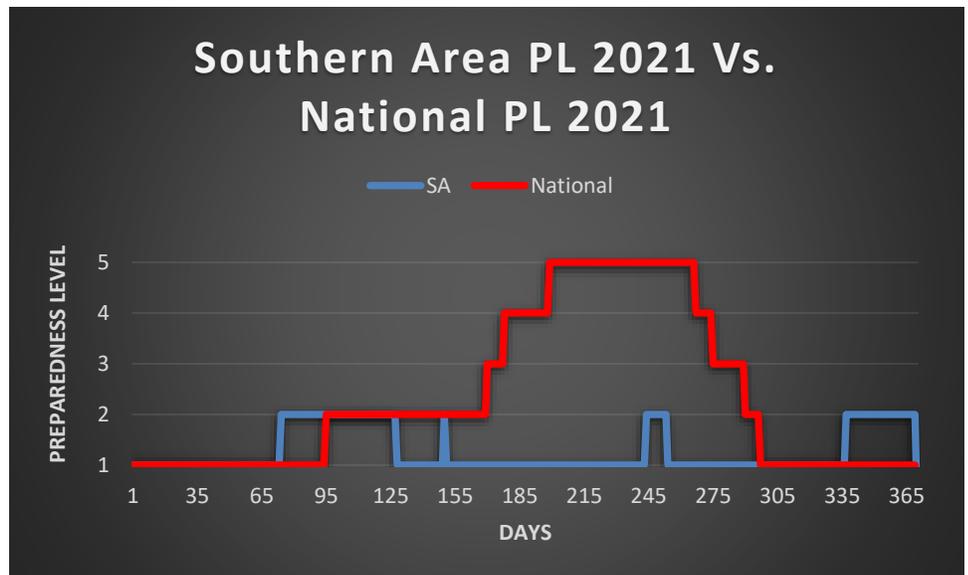
National Preparedness level is included to illustrate how the Southern Area fire and all-hazard response activity occurred on the shoulders of the western fire season workload and resource demands.

2021	Total Number of Days at Each Southern Area Preparedness Level for CY2021												
PL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	31	28	9	0	28	30	31	27	24	31	28	0	267
2	0	0	22	30	3	0	0	4	6	0	2	31	98
3	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	31	28	31	30	31	30	31	31	30	31	30	31	365

Season Review

Fire Summary for the Southern Area

Fires reported in the Southern Area were below the 5-year average for fire occurrence during 2021. For the 2021 year, there were 22,164 fires reported, burning a combined total acres of 532,837. This data came from the Fire and Aviation Management Web Applications Program (FAMWEB).

	BIA	DOD	FWS	NPS	USFS	ST/Other	Total
Fires	885	165	85	71	534	20,424	**22,164**
Acreage	39,345	22,233	15,375	9,401	35,851	410,632	**532,837**

Historical Southern Area

Total wildfires reported in 2021 were 75 percent of the Southern Area 10-year annual average. The total acres reported for 2021 were 43% of the Southern Area 10-year annual average.

Historical Fire Occurrence

Historical Fire Acreage
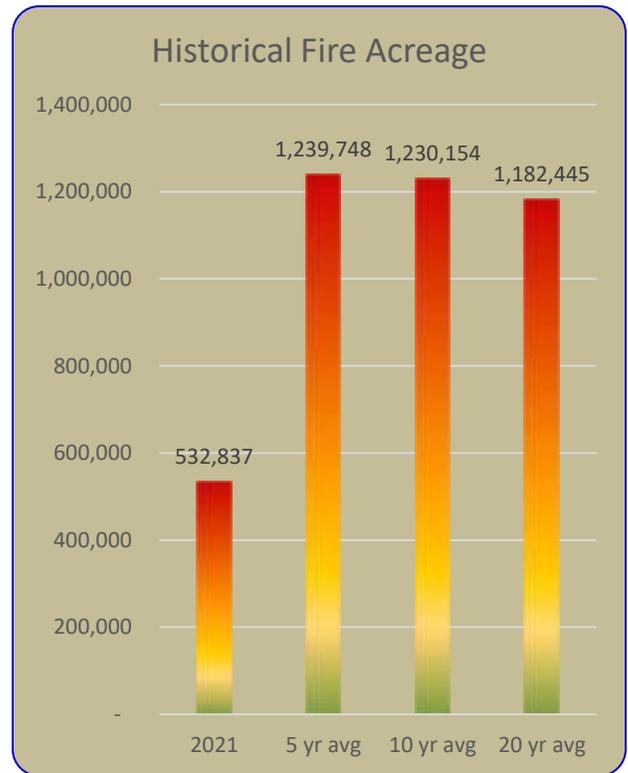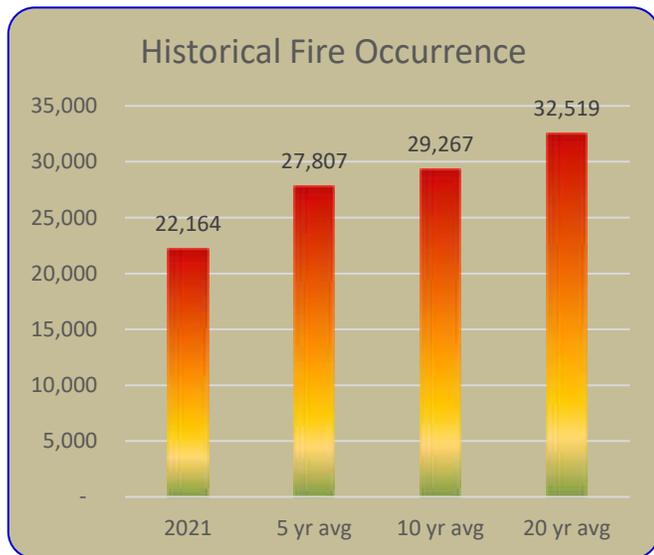
Summary of Fire Activity by State

Fire Occurrence by State

State	Fire Occurrences
AL	1,040
AR	378
FL	2,262
GA	2,139
KY	723
LA	507
MS	922
NC	5,151
OK	1,727
SC	630
TN	550
TX	5,568
VA	567

Fire Acreage by State

State	Acres
AL	22,056
AR	17,003
FL	105,475
GA	11,108
KY	22,859
LA	10,303
MS	21,037
NC	25,838
OK	113,236
SC	7,337
TN	4,937
TX	164,952
VA	6,696
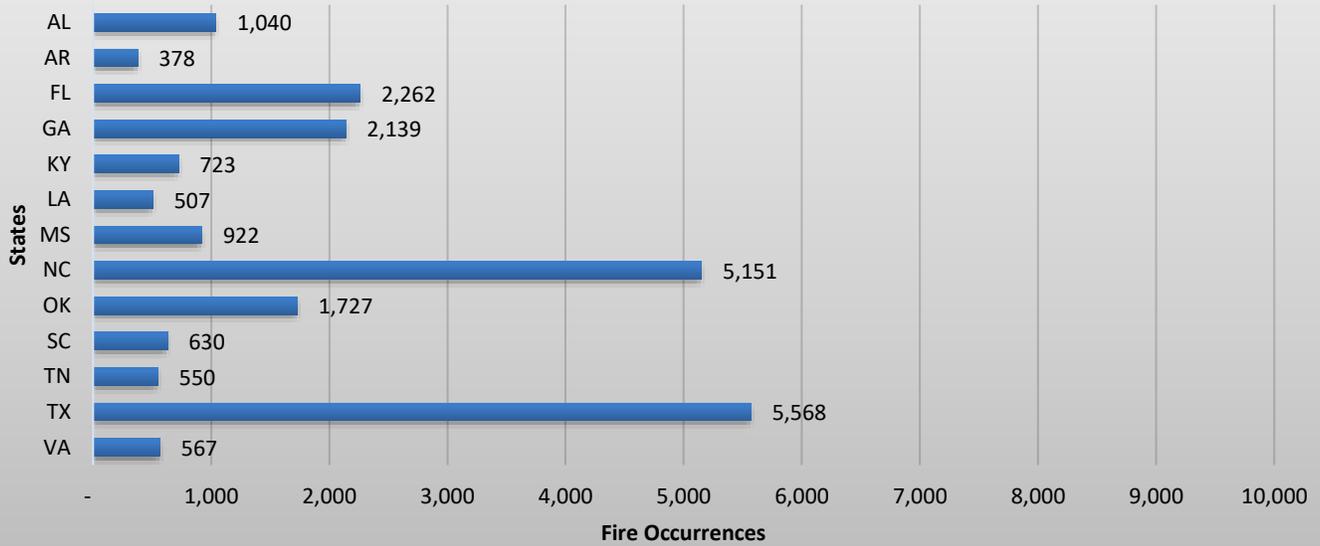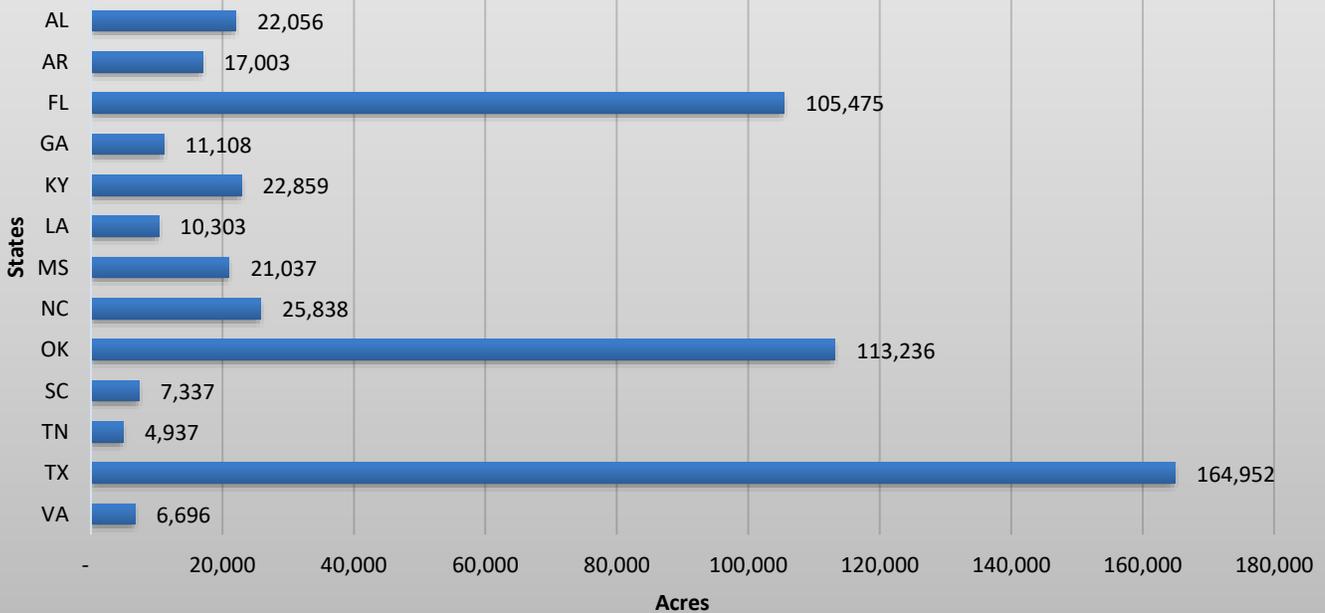
Year End Totals by Cause

Fire statistics for this report were pulled from FAMWEB. There was an increase in human caused fires during 2021 at 21,729 fires reported compared to 2020 at 17,989 fires.

Fire Cause by Agency

	Human		Lightning		Total	
	Fires	Acres	Fires	Acres	Fires	Acres
BIA	884	39,345	1	0	885	39,345
DOD	165	22,233	0	0	165	22,233
FS	507	28,910	27	6,941	534	35,851
FWS	72	9,702	13	5,673	85	15,375
NPS	58	6,466	13	2,935	71	9,401
ST/Other	20,043	380,438	381	30,194	20,424	410,632
Total	**21,729**	**487,094**	**435**	**45,743**	**22,164**	**532,837**
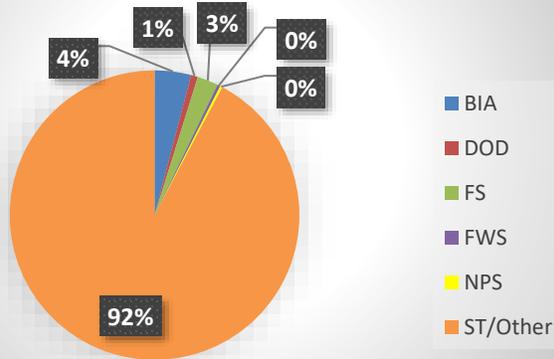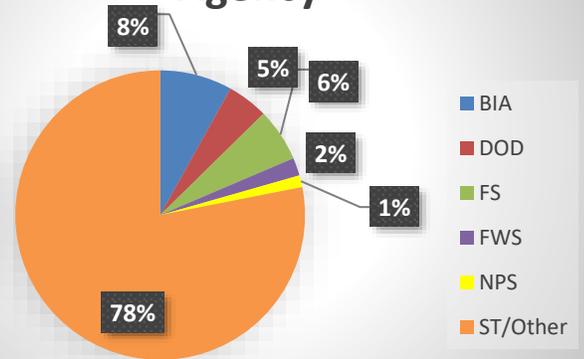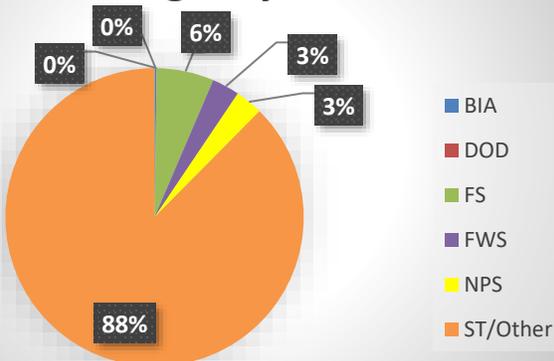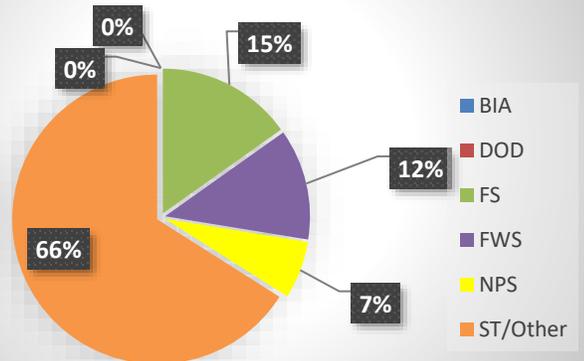
Fires by Class Size

Fire statistics for this table and graph were pulled from Wildland Fire Decision Support System (WFDSS). It should be noted that not all agencies enter their wildfires into WFDSS and this data has not been reconciled with the fire reporting system of record.

Fires by Class Size								
Agency	A	B	C	D	E	F	G	Total
BIA	216	436	176	41	32	13	2	916
DOD	0	1	0	1	0	2	0	4
FWS	61	26	9	7	4	5	0	112
NPS	59	37	7	0	2	1	1	107
FS	129	222	133	34	22	7	0	547
ST/OTHR	38	435	235	168	99	31	10	1,016
Total	503	1,157	560	251	159	59	13	2,702
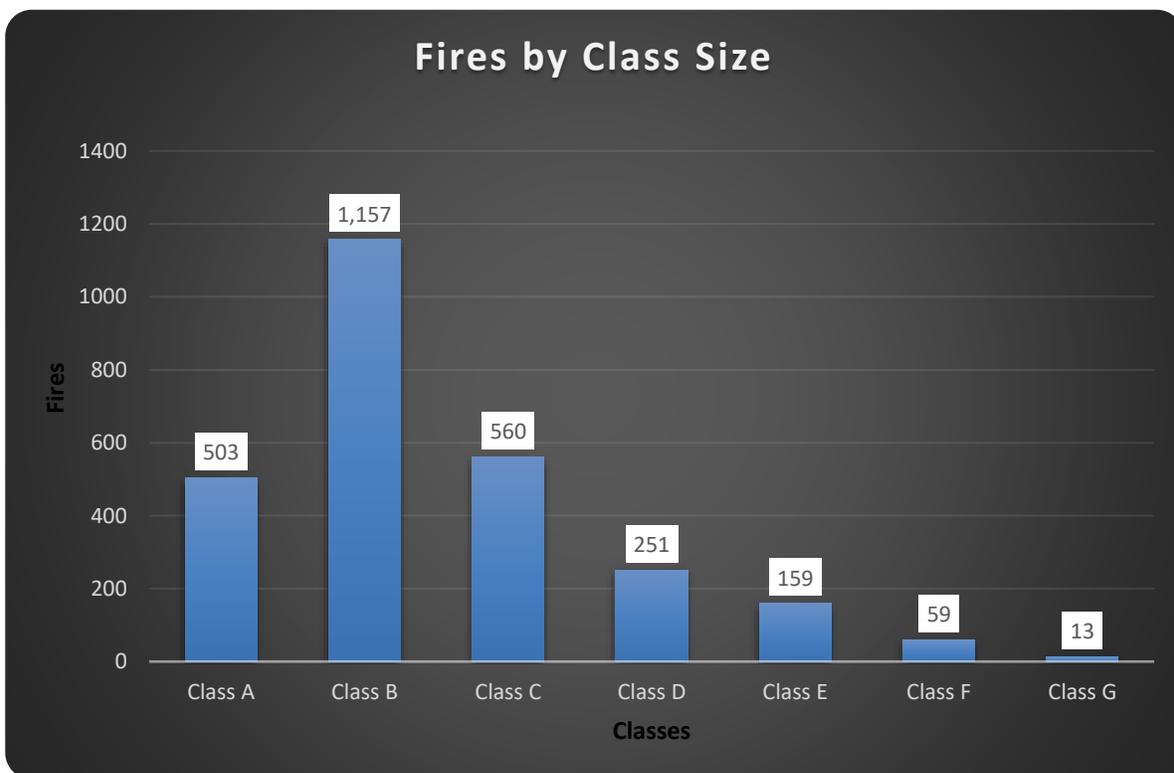
Fire Class Sizes:

A: Less than or equal to 0.25 acres

B: 0.26 to <10 acres

C: 10 to <100 acres

D: 100 to <300 acres

E: 300 to < 1,000 acres

F: 1,000 to <5,000 acres

G: 5,000+ acres

Large Fire Activity Map

2021 Large Fire Occurrence

Large Fire Criteria (>100 ac. Timber/Slash, >300 ac. Grass/Brush)

Legend

Acres

- · 100 - 500
- • 501 - 1,000
- ● 1,001 - 5,000
- ● 5,001 - 10,000
- ● 10,001 - 30,000
- ☐ Southern Area
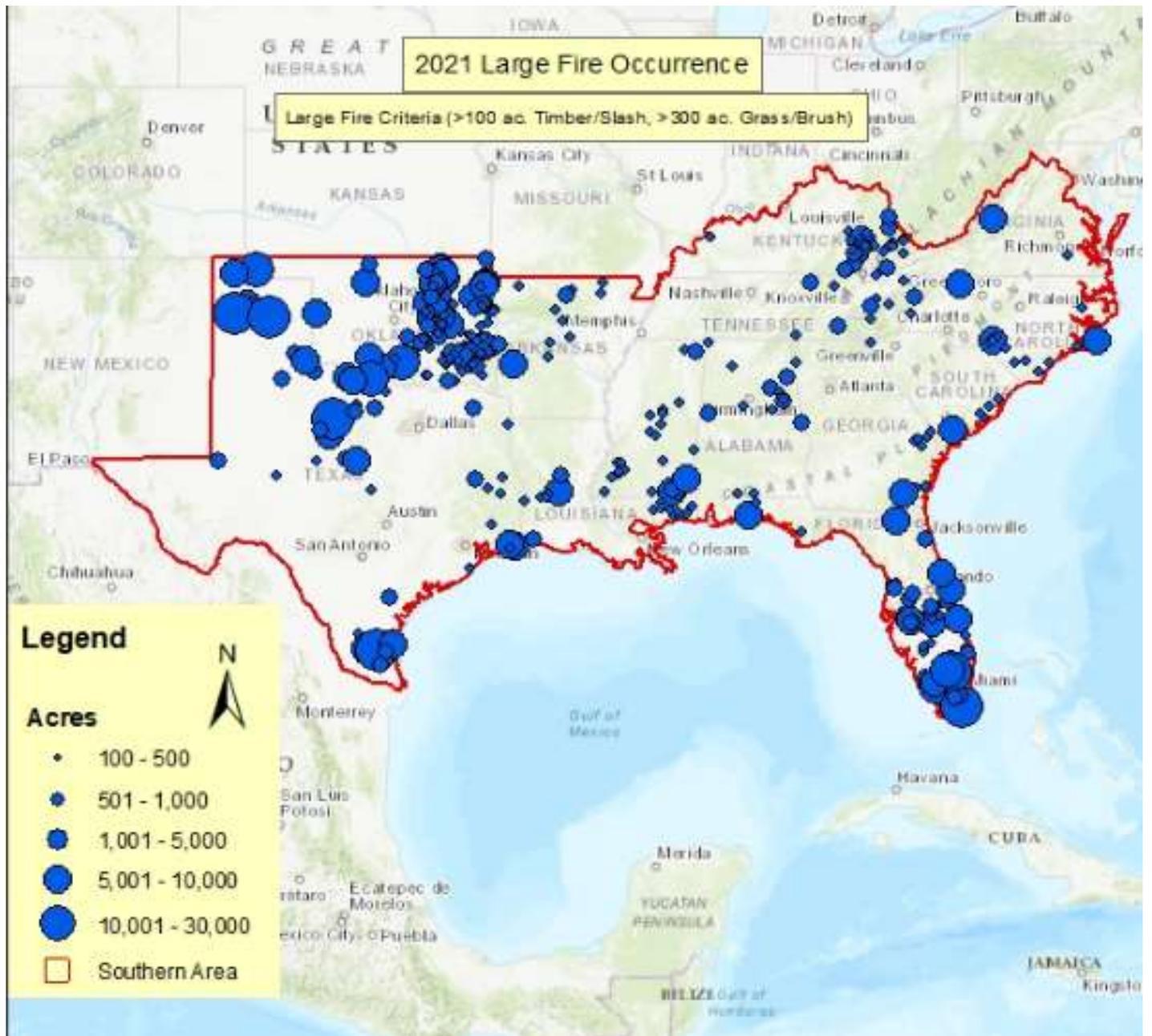
Large Fire Activity Review

Per the National Mobilization Guide, a large fire is a wildland fire managed for complete perimeter control (Full Suppression) that is 100 acres or larger in timber fuel types and 300 acres or larger in grass or brush fuel types. There are other incidents that require ICS-209s, but the chart below includes only fires that were 5,000+ acres and are sorted by start date of the incident due to the significant amount of 209 submissions for the year.

Unit	Name	Start Date	Cause	Fire Size
OK-OKS	Windmill	Mar 4, 2021	Undetermined	6,000
FL-BCP	Turner River	Mar 14, 2021	Undetermined	6,245
TX-TXS	King	Mar 17, 2021	Human	11,728
OK-OSA	Candy Creek	Mar 28, 2021	Human	9,228
OK-OSA	Javine	Mar 29, 2021	Human	9,977
FL-FLS	Four Sixteen	Apr 30, 2021	Lightning/Natural	13,032
FL-FLS	Bobcat	May 29, 2021	Human	21,501
FL-FLS	Red Sparrow	Jun 27, 2021	Human	7,700
TX-TXS	Buck	Oct 28, 2021	Lightning/Natural	18,688
TX-TXS	Arrowhead	Dec 10, 2021	Human	6,300
TX-TXS	Parker Creek	Dec 15, 2021	Undetermined	11,067
OK-OKS	Cobb Fire	Dec 15, 2021	Undetermined	7,987
TX-TXS	North 207	Dec 15, 2021	Undetermined	23,810

Prescribed Fire Review

The following statistics display prescribed fires and acres burned by units as reported on the Daily Situation Report within the FAMWEB Program. Only agencies who reported prescribe fires and acres to the FAMWEB Situation Report Program are represented in the chart below.

Prescribed Acres Completed by Agency

	USDA	DOI			DOD	ST & PRI	
Agency	USFS	BIA	FWS	NPS	DOD	ST	Total
Rx fires	1,175	372	173	65	205	180,362	182,352
Acres	1,210,093	21,728	102,076	224,171	177,743	4,407,790	6,143,601

Prescribed Acres Completed by State/Area

	AL	AR	FL	GA	KY	LA	MS
Rx Fires	10,294	195	92,844	71,543	63	186	205
Acres	1,007,340	217,615	2,480,525	1,469,630	21,984	80,053	161,212

	NC	OK	SC	TN	TX	VA
Rx Fires	868	118	5,288	255	226	267
Acres	111,360	32,003	274,198	34,882	217,315	35,485

Resource Order Summary

During 2021, the dispatch community in the Southern Area were able to fill 13,989 requests, an increase of around 3,000 requests from last year.

Filled Orders within IROC

Category	Value
AIRCRAFT	326
CREW	76
EQUIPMENT	825
OVERHEAD	11,339
SUPPLY	1,423
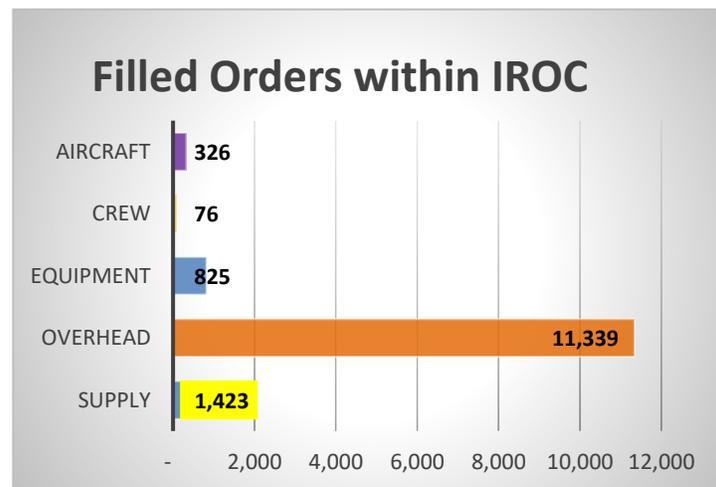
All Resource Orders by Southern Area										
Req Catalog Name	Place Cache	Place Direct	Place Down	Place Up	Retrieve	Send Back	UTF	No Place	Fill	Summary
Aircraft	0	20	131	162	26	10	24	358	326	**1,057**
Crew	0	3	61	13	5	4	76	39	76	**277**
Equipment	0	14	337	131	27	20	843	714	825	**2,911**
Overhead	0	198	3,873	1,951	462	256	6,579	9,575	11,339	**34,233**
Supply	416	0	1	24	22	1	2	2,058	1,423	**3,947**
Summary	**416**	**235**	**4,403**	**2,281**	**542**	**291**	**7,524**	**12,744**	**13,989**	**42,425**

Aircraft Resource Order Summary

Request Catalog Name: Aircraft									
Req Category Name	Req Catalog Item Name	Place Direct	Place Down	Place Up	Retrieve	Send Back	UTF	No Place	Fill
Airtanker	Airtanker, Type 1	0	2	6	0	0	0	6	4
	Airtanker, Type 1 or 2	0	2	0	0	0	0	0	2
	Airtanker, Type 3 (Single Engine)	1	9	13	4	1	0	20	22
	Airtanker, Type 3 Single, Multi or Type 4	0	5	0	0	0	0	3	8
	Airtanker, Type 3 or 4	0	17	8	2	3	0	11	23
	Airtanker	**1**	**35**	**27**	**6**	**4**	**0**	**40**	**59**
Fixed Wing	Fixed Wing, Aerial Supervision Module	0	0	2	0	0	0	2	1
	Fixed Wing, Air Tactical	0	13	16	5	2	9	21	16
	Fixed Wing, Leadplane	0	1	4	1	0	1	5	10
	Fixed Wing, Passenger	0	1	1	0	0	0	1	1
	Fixed Wing, Reconnaissance	0	4	0	0	0	3	1	2
	Fixed Wing	**0**	**19**	**23**	**6**	**2**	**13**	**30**	**30**
Frequency	Air to Air AM	7	0	9	0	0	0	9	2
	Tactical	4	0	0	0	0	0	4	0
	Frequency	**11**	**0**	**9**	**0**	**0**	**0**	**13**	**2**
Helicopter	Helicopter, Type 1 Restricted	2	6	16	1	0	0	27	16
	Helicopter, Type 2 Restricted	0	2	0	0	0	0	2	2

Request Catalog Name: Aircraft continued….									
Helicopter	Helicopter, Type 2 Standard	0	0	1	0	0	0	2	0
	Helicopter, Type 3 Restricted	0	0	0	0	0	0	1	0
	Helicopter, Type 3 Standard	6	67	72	12	3	8	224	206
Helicopter		**8**	**75**	**89**	**13**	**3**	**8**	**256**	**224**
Service - Aviation	Service - Mobile Retardant Base	0	0	1	0	0	0	1	0
	Service - Temporary Flight Restriction	0	0	7	0	0	0	9	7
Service - Aviation		**0**	**0**	**8**	**0**	**0**	**0**	**10**	**7**
Unmanned Aircraft	Unmanned Aircraft, Rotor Wing, Type 3	0	2	6	1	1	3	8	3
	Unmanned Aircraft, Rotor Wing, Type 4	0	0	0	0	0	0	1	1
Unmanned Aircraft		**0**	**2**	**6**	**1**	**1**	**3**	**9**	**4**
Aircraft Summary		**20**	**131**	**162**	**26**	**10**	**24**	**358**	**326**

Crew Resource Order Summary

Request Catalog Name: Crew									
Req Category Name	Req Catalog Item Name	Place Direct	Place Down	Place Up	Retrieve	Send Back	UTF	No Place	Fill
Fire	Crew, Type 1	0	4	0	0	0	1	1	4
	Crew, Type 1 or 2 Any	0	2	0	0	0	1	3	4
	Crew, Type 1 or 2 IA	0	8	3	2	2	4	5	8
	Crew, Type 2	0	5	0	0	0	3	1	4
	Crew, Type 2 Any	0	1	0	0	0	0	0	1
	Crew, Type 2 IA	3	28	10	3	2	7	29	43
	Crew, Type Any	0	0	0	0	0	1	0	0
Fire		**3**	**48**	**13**	**5**	**4**	**17**	**39**	**64**
Non-Fire	Crew, Camp	0	13	0	0	0	59	0	12
Non-Fire		**0**	**13**	**0**	**0**	**0**	**59**	**0**	**12**
Crew Summary		**3**	**61**	**13**	**5**	**4**	**76**	**39**	**76**

AL-ALF Duck Nest 2021

Southern Area Type 1 Crew/IHC Mobilization Summary

Source: IROC Reports

Incident assignments in 2021: This total reflects all IROC prescribed (RX) fire, wildfire, and all-hazards assignments; preposition and large fire support orders are included in the wildfire count.
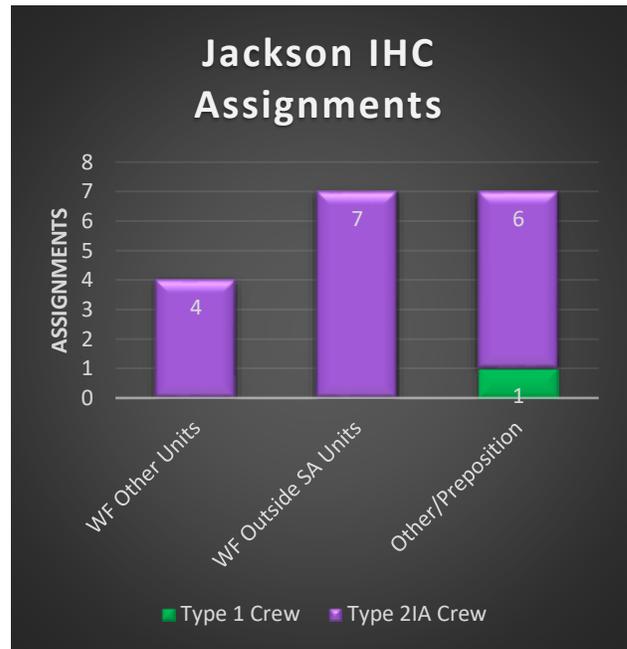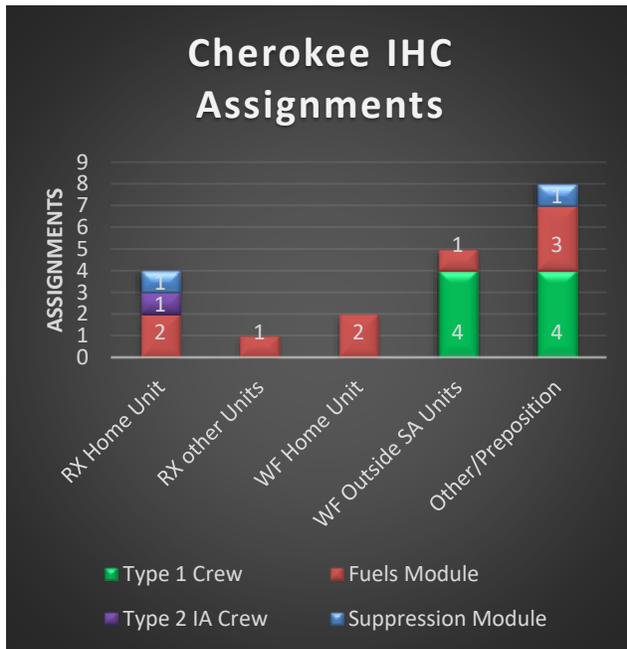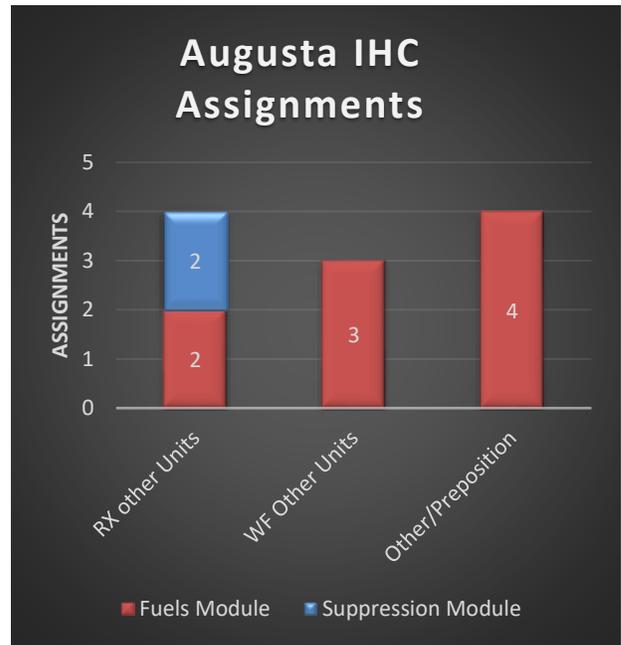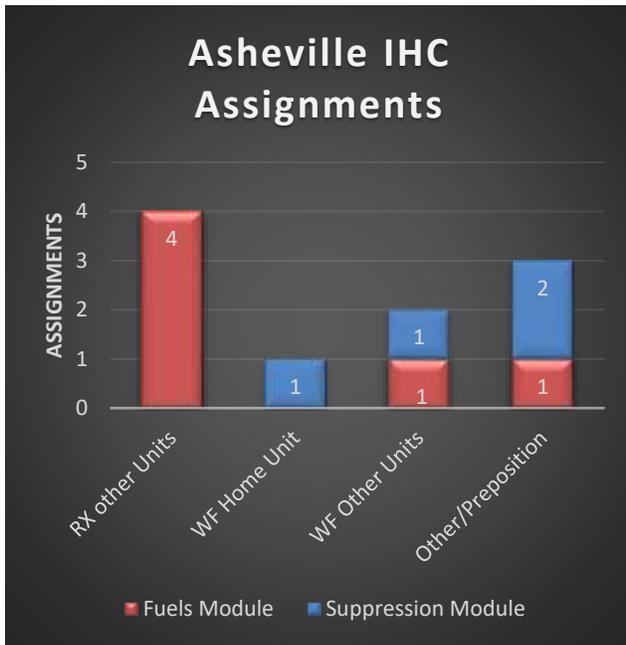
Type 1 Crew mobilization outside of Southern Area included the geographic areas of Northwest, North ops, and Rocky Mountain. Season dates in 2021 vary by crew: all Asheville assignments were between January and May, Cherokee assignments between March and November, Augusta assignments between February and November, and Jackson IHC assignments between March to September.

Equipment Resource Order Summary

Req Category Name	Req Catalog Item Name	Place Direct	Place Down	Place Up	Retrieve	Send Back	UTF	No Place	Fill
Request Catalog Name: Equipment									
Dozer	Dozer, Type 2	0	10	2	0	0	10	20	28
	Dozer, Type 3	0	9	4	0	0	3	7	9
	Dozer, Type 4	0	1	0	1	0	0	7	7
	Dozer, Type Any	0	3	0	0	0	2	4	5
	Dozer	**0**	**23**	**6**	**1**	**0**	**15**	**38**	**49**
Engine	Engine, Type 3	1	6	10	3	0	46	16	11
	Engine, Type 3, 4, 5, or 6	0	78	1	0	6	361	6	67
	Engine, Type 4	0	10	0	0	0	29	1	6
	Engine, Type 5	0	1	0	1	0	0	0	1
	Engine, Type 6	10	188	110	20	12	106	242	287
	Engine, Type 7	0	2	1	0	0	5	2	1
	Engine, Type Any	0	6	1	0	2	11	1	4
	Engine	**11**	**291**	**123**	**24**	**20**	**558**	**268**	**377**
Gray Water Truck	Gray Water Truck, Type 2	0	0	0	0	0	2	0	0
	Gray Water Truck	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**
Medical	Ambulance, Type 1	0	0	0	0	0	2	0	0
	Ambulance, Type Any	0	0	0	0	0	1	2	2
	Medical	**0**	**0**	**0**	**0**	**0**	**3**	**2**	**2**
Miscellaneous	Aircraft Rescue and Firefighting Vehicle, Type 3	0	0	0	0	0	2	0	0
	Chipper, Type 1	0	0	0	0	0	1	0	0
	Chipper, Type 2	0	0	0	0	0	5	0	0
	Excavator, Type 1	0	0	0	0	0	1	0	0
	Excavator, Type 2	0	1	0	0	0	11	0	0
	Excavator, Type 3	0	0	0	0	0	6	0	0
	Excavator, Type 4	0	0	0	0	0	7	1	1
	Feller Buncher, Type 1	0	0	0	0	0	8	0	0
	Feller Buncher, Type 2	0	3	0	0	0	13	0	0
	Feller Buncher, Type Any	0	1	0	0	0	20	0	0
	Forklift	0	0	0	0	0	0	2	2
	Front End Loader	0	1	1	0	0	0	2	2
	Fuel Tender, Type 2	0	0	0	0	0	5	0	0
	Generator	0	0	0	0	0	0	2	2
	Laundry, Mobile, Type 1	0	0	0	0	0	1	0	0
	Laundry, Mobile, Type 2	0	0	0	0	0	1	0	0
	Masticator - Boom Mounted, Type 1	0	1	0	0	0	5	0	0
	Masticator - Boom Mounted, Type 2	0	0	0	0	0	14	0	0
	Masticator - Boom Mounted, Type 3	0	0	0	0	0	2	0	0
	Masticator - Boom Mounted, Type Any	0	1	0	0	0	6	0	1
	Retardant Plant, Portable	0	1	0	0	0	0	0	1
	Road Grader, Type 1	0	0	0	0	0	0	15	15
	Road Grader, Type 2	0	0	0	0	0	3	2	2
	Road Grader, Type Any	0	0	0	0	0	0	4	4
	Service Truck w/ Mechanic, Heavy	0	0	0	0	0	3	0	0
	Service Truck w/ Mechanic, Light	0	0	0	0	0	1	0	0
	Skid-steer	0	0	0	0	0	3	0	0

Request Catalog Name: Equipment continued....									
Miscellaneous	Skidder, Type 1	0	0	0	0	0	5	0	0
	Skidder, Type 2	0	1	0	0	0	16	0	0
	Skidder, Type Any	0	1	0	0	0	12	0	0
	Skidgine, Softtrack	0	0	0	0	0	3	0	0
	Skidgine, Type 1	0	0	0	0	0	4	0	0
	Skidgine, Type 2	0	0	0	0	0	11	0	0
	Skidgine, Type 3	0	0	0	0	0	4	0	0
	Skidgine, Type Any	0	0	0	0	0	1	0	0
	Truck, Dump	0	0	0	0	0	0	2	2
Miscellaneous		**0**	**11**	**1**	**0**	**0**	**174**	**30**	**32**
Tender, Water (Support)	Tender, Water (Support), Type 1	0	0	0	0	0	5	1	0
	Tender, Water (Support), Type 2	0	1	0	0	0	26	0	0
	Tender, Water (Support), Type 3	0	0	0	0	0	2	0	0
	Tender, Water (Support), Type Any	0	0	0	0	0	6	0	0
Tender, Water Support		**0**	**1**	**0**	**0**	**0**	**39**	**1**	**0**
Tender, Water (Tactical)	Tender, Water (Tactical), Type 1	0	0	0	0	0	3	2	0
	Tender, Water (Tactical), Type 2	0	0	0	0	0	37	0	0
	Tender, Water (Tactical), Type Any	0	1	0	0	0	6	2	1
Tender, Water Tactical		**0**	**1**	**0**	**0**	**0**	**46**	**4**	**1**
Tractor Plow	Tractor Plow, Type 2	0	0	1	1	0	1	2	1
	Tractor Plow, Type 3	0	0	0	0	0	0	1	1
	Tractor Plow, Type 4	0	0	0	0	0	0	21	21
	Tractor Plow, Type 5	0	0	0	0	0	0	1	1
	Tractor Plow, Type Any	0	0	0	0	0	0	1	1
Tractor Plow		**0**	**0**	**1**	**1**	**0**	**1**	**26**	**25**
Trailer	Helicopter Operations Support Unit	0	0	0	0	0	0	1	1
	Trailer	0	0	0	0	0	0	1	1
	Trailer - Command	0	0	0	0	0	0	4	4
	Trailer - Communications	0	0	0	0	0	0	2	2
	Trailer - Mobile Sleeper Unit	0	0	0	0	0	2	0	0
Trailer		**0**	**0**	**0**	**0**	**0**	**2**	**8**	**8**
Transportation	Transportation, Boat	0	1	0	0	0	0	0	1
	Transportation, Bus, Crew Carrier	0	0	0	0	0	0	1	1
	Transportation, Lowboy, Type 2	0	0	0	0	0	0	1	1
	Transportation, Lowboy, Type 3	0	0	0	0	0	0	7	7
	Transportation, Pickup	1	7	0	0	0	1	153	149
	Transportation, Stakeside	0	0	0	0	0	2	0	0
	Transportation, Tractor	0	0	0	0	0	0	8	8
	Transportation, Tractor/Trailer	1	0	0	0	0	0	64	64
	Transportation, Truck, Flatbed	0	0	0	0	0	0	9	9
	Transportation, Truck, Utility, Type 1	0	1	0	0	0	0	0	0
	Transportation, Truck, Utility, Type 2	1	0	0	1	0	0	8	7
	Transportation, Van, Box	0	0	0	0	0	0	4	4
	Transportation, Van, Passenger	0	0	0	0	0	0	3	2
	Transportation, Vehicle, All Terrain (ATV)	0	0	0	0	0	0	7	7
	Transportation, Vehicle, Automobile	0	0	0	0	0	0	4	4
	Transportation, Vehicle, Sport Utility, Large (SUV)	0	1	0	0	0	0	17	17
	Transportation, Vehicle, Utility Terrain (UTV)	0	0	0	0	0	0	51	50
Transportation		**3**	**10**	**0**	**1**	**0**	**3**	**337**	**331**
Equipment Summary		**14**	**337**	**131**	**27**	**20**	**843**	**714**	**825**

TX-TXS Judges 2021

Overhead Resource Order Summary

Request Catalog Name: Overhead									
Req Category Name	Req Catalog Item Name	Place Direct	Place Down	Place Up	Retrieve	Send Back	UTF	No Place	Fill
Groups	Faller, Single	0	0	0	0	0	1	0	0
	Module, Faller	0	3	6	5	0	45	6	0
	Module, Fuels	9	29	103	12	9	6	139	57
	Module, Suppression	14	36	56	10	5	54	100	74
	Module, Wildland Fire, Type 1	1	3	5	2	0	46	6	4
	Module, Wildland Fire, Type 2	0	3	2	0	2	57	3	3
	Team, All Hazard	0	0	1	0	0	0	1	1
	Team, Buying	0	0	0	0	0	1	0	6
	Team, Fire Prevention/Education	0	7	2	1	3	3	2	8
	Team, Incident Medical	0	1	0	0	0	1	0	0
	Team, Medical Response	0	0	0	0	0	1	0	0
	Team, Type 1 Long	0	1	0	0	0	0	0	7
	Team, Type 2 Long	0	1	0	0	1	0	0	3
	Team, Type 2 Short	0	0	1	1	0	0	1	0
	Team, Type 3	0	0	1	0	0	3	1	4
	Groups	**24**	**84**	**177**	**31**	**20**	**218**	**259**	**167**
Positions	Advanced Emergency Medical Technician	1	3	10	1	0	2	10	3
	Advanced Emergency Medical Technician, Fireline	0	2	0	0	0	3	0	0
	Advanced Faller	0	4	6	0	0	10	26	24
	Aerial Observer	0	0	0	0	0	5	0	0
	Agency Administrator	0	25	1	0	3	0	11	29
	Agency Representative	0	5	0	0	0	2	4	9
	Air Operations Branch Director	0	8	5	0	1	22	21	31
	Air Support Group Supervisor	0	10	3	1	0	41	16	31
	Air Tactical Group Supervisor	1	14	18	3	3	62	45	42

Request Catalog Name: Overhead continued....

Positions	Air Tactical Supervisor	0	0	0	0	0	0	1	1
	Airboat Operator	0	1	1	0	0	0	1	1
	Aircraft Base Radio Operator	1	12	4	4	1	68	7	11
	Aircraft Dispatcher	14	35	36	7	1	124	82	80
	Aircraft Time Keeper	0	7	3	0	0	1	4	8
	Airspace Coordinator	0	6	0	0	0	2	0	6
	Airtanker Base Manager	0	32	3	1	0	11	6	33
	All-Hazards Incident Commander Type 2	0	0	0	0	0	0	1	1
	All-Hazards Incident Commander Type 3	0	1	1	0	0	1	1	1
	All-Hazards Operations Section Chief Type 2	0	0	0	0	0	0	1	1
	All-Hazards Planning Section Chief Type 2	0	0	0	0	0	0	1	1
	All-Hazards Public Information Officer Type 2	0	0	0	0	0	0	1	1
	All-Hazards Safety Officer Type 2	0	1	1	0	0	0	6	6
	All-Hazards Task Force Leader	0	0	0	0	0	0	1	1
	Archaeologist	0	14	0	1	1	30	2	13
	Area Command Aviation Coordinator	0	1	0	0	0	0	0	1
	Assistant Area Commander, Planning	0	0	0	0	0	1	0	0
	Base/Camp Manager	1	42	1	1	3	140	22	59
	Basic Faller	0	4	4	0	0	1	138	138
	Boat Operator Less Than 25 Feet Length	0	0	0	0	0	0	1	1
	Burned Area Emergency Response Biologist	0	1	0	0	0	0	0	1
	Burned Area Emergency Response Cultural Resources Specialist	0	1	0	0	0	0	0	1
	Burned Area Emergency Response Leader	0	0	0	0	0	1	0	0
	Burned Area Emergency Response Specialist	0	5	0	0	1	3	0	3
	Buying Team Leader	0	0	0	0	0	2	7	7
	Buying Team Member	0	14	1	0	1	7	36	50
	Computer Data Entry Recorder	0	0	0	0	0	1	0	0
	Cache Demobilization Specialist	0	0	0	0	0	2	0	0
	Cache Supply Clerk	0	0	0	0	0	6	0	0
	Camp Crew Boss	0	1	0	0	0	0	26	29
	Camp Help	1	1	1	0	0	3	85	93
	Claims Specialist	0	0	0	0	0	1	0	0
	Communications Coordinator	0	2	0	0	0	1	0	2
	Communications Unit Leader	0	11	3	0	0	50	21	29
	Compensation-For-Injury Specialist	0	0	0	0	0	2	0	0
	Compensation/Claims Unit Leader	0	4	1	0	0	32	15	17
	Contracting Officer's Purchasing Agent	0	3	0	0	0	1	4	7
	Cook	0	1	0	0	0	0	0	1
	Cost Unit Leader	0	4	2	0	1	12	20	24
	Crew Boss, Single Resource	1	17	17	3	5	22	313	293
	Crew Representative	0	0	0	0	0	2	0	0
	Critical Incident Stress Management Team Member	0	1	0	0	0	0	0	1
	Deck Coordinator	0	0	0	0	0	30	0	0
	Demobilization Unit Leader	0	11	2	0	2	65	9	14
	Display Processor	0	5	0	0	0	19	0	5

Request Catalog Name: Overhead continued....									
Positions	Division/Group Supervisor	3	142	16	2	6	205	144	255
	Division/Group Supervisor All-Hazards	0	0	0	0	0	0	6	7
	Division/Group Supervisor, Law Enforcement	0	0	0	0	0	0	1	1
	Documentation Unit Leader	0	23	1	0	1	64	3	25
	Dozer Operator	0	12	12	2	2	1	83	83
	Dozer Operator Initial Attack	1	9	22	5	1	6	53	37
	Driver Class A	0	0	0	0	0	0	1	1
	Driver Class B	0	1	0	0	1	1	0	0
	Driver/Operator	0	6	0	1	0	3	8	9
	Emergency Medical Technician - Intermediate	0	0	2	0	0	0	2	0
	Electrician	0	1	1	1	0	0	1	1
	Emergency Medical Technician Basic	6	26	267	106	3	183	293	43
	Emergency Medical Technician, Fireline	1	36	37	1	1	86	45	34
	Emergency Medical Technician, Paramedic	1	8	11	3	0	8	13	8
	Engine Boss, Single Resource	10	149	96	21	10	31	724	847
	Engine Operator	0	4	1	0	0	0	70	77
	Epidemiologist	0	0	1	0	0	0	1	0
	Equipment Inspector	0	20	1	0	2	23	1	19
	Equipment Manager	1	88	2	1	2	99	12	91
	Equipment Time Recorder	0	33	2	0	1	69	5	36
	Expanded Dispatch Coordinator	2	11	7	0	0	3	20	24
	Expanded Dispatch Recorder	4	17	1	1	1	17	43	51
	Expanded Dispatch Supervisory Dispatcher	2	11	3	1	1	54	15	23
	Expanded Dispatch Support Dispatcher	1	41	5	2	1	118	34	70
	Facilities Maintenance Specialist	0	0	0	0	0	2	0	0
	FEMA ESF #4 Administrative Support	0	1	2	0	0	0	6	5
	FEMA ESF #4 Primary Leader	2	28	18	3	3	5	41	45
	Facilities Unit Leader	0	14	3	1	1	89	18	31
	Felling Boss, Single Resource	0	6	0	0	0	135	1	3
	Field Observer	0	20	0	0	0	128	1	21
	Finance/Administration Section Chief Type 1	0	4	1	0	0	4	16	23
	Finance/Administration Section Chief Type 2	0	6	6	0	0	6	27	33
	Finance/Administration Section Chief Type 3	0	7	4	0	0	9	16	18
	Fire Behavior Analyst	0	14	1	0	1	40	18	29
	Fire Cache Manager	0	1	0	0	1	0	0	1
	Fire Effects Monitor	2	7	6	4	0	2	10	9
	Fire Prevention Education Team Leader	0	3	1	1	0	0	13	14
	Fire Prevention Education Team Member	0	10	3	4	1	2	18	26
	Firefighter Type 1	7	92	73	9	8	22	933	973
	Firefighter Type 2	21	117	30	10	3	18	1,291	1,488
	Fireline Explosives Blaster	0	0	0	0	0	1	0	0
	Firing Boss, Single Resource	3	2	57	8	0	2	107	41
	Fixed Wing Parking Tender	0	55	5	3	1	16	22	67
	Fixed Or Rotor Wing Pilot	0	0	0	0	0	0	3	3
	Food Unit Leader	0	14	3	1	1	77	8	21

Request Catalog Name: Overhead continued....									
	Fork Lift Operator	0	2	0	0	0	5	9	9
	Geographic Information System Specialist	2	40	7	3	1	90	45	85
	Ground Support Unit Leader	0	41	3	2	0	43	29	74
	Hand-Held Infrared Operator	0	0	0	0	0	3	0	0
	Heavy Equipment Boss, Single Resource	0	177	7	4	7	256	57	203
	Heavy Equipment Operator	1	0	1	0	0	0	2	1
	Helibase Manager	0	21	12	0	2	85	26	36
	Helicopter Coordinator	0	2	0	0	0	32	0	1
	Helicopter Crewmember	9	134	126	32	17	140	455	451
	Helicopter Manager, Single Resource	11	128	121	20	5	144	364	374
	Helicopter Rappeller	0	0	0	0	0	1	0	0
	Hospital Liaison	0	1	0	0	0	1	0	1
	Human Resource Specialist	0	3	1	0	0	10	2	2
	Hydrologist	0	0	0	0	0	1	1	1
	Incident Business Advisor	0	7	2	1	1	10	4	8
	Incident Commander Type 1	0	9	0	0	0	1	24	32
	Incident Commander Type 2	0	7	0	0	0	2	17	31
	Incident Commander Type 3	1	23	11	4	1	48	72	77
	Incident Commander Type 4	0	12	4	0	2	5	101	103
	Incident Commander Type 5	2	11	8	1	2	2	105	105
	Incident Communications Center Manager	0	8	0	0	0	88	1	9
	Incident Communications Technician	0	17	9	2	2	122	25	31
	Incident Contract Project Inspector	0	0	0	0	0	9	1	1
Positions	Incident Medical Manager	0	0	0	0	0	1	0	0
	Incident Medical Specialist Assistant	0	0	0	0	0	1	0	0
	Incident Medical Technician	0	0	0	0	0	1	0	0
	Incident Meteorologist	0	46	1	0	6	2	0	45
	Incident Responder Type 2	0	0	0	0	0	0	6	5
	Incident Technology Support Specialist	0	28	2	0	1	32	35	54
	Incident Training Specialist	0	9	3	1	0	21	11	16
	Infrared Interpreter	0	2	0	0	1	2	0	2
	Initial Attack Dispatcher	12	71	58	12	3	135	164	158
	Intelligence Support	0	2	7	0	1	6	7	1
	Interagency Resource Representative	0	11	0	1	1	0	3	11
	Intermediate Faller	0	3	6	0	0	3	132	129
	Law Enforcement Officer Level 1	0	0	3	2	0	1	38	45
	Law Enforcement Team Leader	0	0	0	0	0	0	1	1
	Leadplane Pilot	0	0	0	0	0	0	11	11
	Liaison Officer	1	20	5	2	0	16	49	70
	Logistics Section Chief Type 1	0	7	2	2	1	1	26	26
	Logistics Section Chief Type 2	0	7	1	0	1	11	20	29
	Logistics Section Chief Type 3	1	5	3	3	0	21	29	28
	Long Term Fire Analyst	0	4	2	0	0	11	2	4
	MAFFS Airtanker Base Manager	0	3	0	0	0	0	0	3
	MAFFS Airtanker Base Specialist	0	1	0	0	0	1	0	1
	MAFFS Assistant Liaison Officer	0	1	0	0	0	0	0	2
	MAFFS Liaison Officer	0	5	0	0	0	0	0	5
	Medical Unit Leader	0	21	3	0	4	66	29	36
	Mixmaster	0	3	5	2	0	10	6	4

Request Catalog Name: Overhead continued….

Positions									
	Operations Branch Director	0	11	1	0	0	35	13	23
	Operations Section Chief Type 1	0	7	0	0	1	2	33	39
	Operations Section Chief Type 2	0	12	1	0	1	32	38	62
	Operations Section Chief Type 3	0	1	1	0	0	0	4	4
	Operations Section Chief Type 3, Wildland Fire	1	1	1	0	0	5	9	8
	Ordering Manager	1	24	3	0	1	94	24	48
	Parking Tender	0	0	0	0	0	1	0	0
	Para Archaeologist	0	0	0	0	0	2	0	0
	Paramedic, Fireline	0	26	2	1	0	84	6	31
	Personnel Time Recorder	0	49	4	1	3	49	44	88
	Planning Section Chief Type 1	0	8	0	0	1	5	15	27
	Planning Section Chief Type 2	0	7	0	0	0	16	21	35
	Planning Section Chief Type 3	0	4	3	1	1	28	25	24
	Plastic Sphere Dispenser Operator	0	4	17	3	0	5	30	15
	Prescribed Fire Burn Boss Type 1	0	3	8	1	0	0	11	5
	Prescribed Fire Burn Boss Type 2	4	10	72	4	0	5	127	51
	Prescribed Fire Burn Boss Type 3	0	1	1	0	0	0	3	1
	Prescribed Fire Crew Member	0	0	9	1	0	0	11	0
	Prescribed Fire Manager	0	0	1	0	0	0	1	0
	Prevention Technician	0	5	2	0	2	99	2	4
	Procurement Unit Leader	0	8	4	0	1	20	14	21
	Public Information Officer	1	61	15	6	3	76	60	101
	Public Information Officer Type 1	0	23	4	2	1	20	22	35
	Public Information Officer Type 2	1	62	10	5	0	92	55	96
	Public Information Officer Type 3	0	2	2	1	0	4	6	4
	Radio Operator	0	38	0	1	4	197	1	26
	Ramp Manager	0	28	8	2	0	19	10	29
	Receiving/Distribution Manager	0	63	1	1	7	100	13	66
	Resource Advisor	1	8	0	0	1	9	7	11
	Resource Advisor, Fireline	0	25	0	1	2	19	3	25
	Resource Unit Leader	0	15	3	0	1	75	37	50
	Retardant Crewmember	0	3	0	0	0	1	2	5
	Safety Officer Type 1	0	16	0	1	0	21	35	53
	Safety Officer Type 2	0	66	9	1	2	147	49	101
	Safety Officer Type 3	0	3	1	0	0	7	3	4
	Safety Officer, Line	1	68	5	3	2	165	31	78
	Security Guard	0	0	0	0	0	18	0	0
	Security Manager	0	17	3	2	1	66	15	26
	Security Specialist Level 1	6	186	90	42	10	149	251	295
	Security Specialist Level 2	1	98	2	2	7	190	9	83
	Senior Interagency Liaison	0	0	0	0	0	0	2	2
	Single Engine Air Tanker Manager	0	34	9	4	0	29	24	50
	Situation Unit Leader	0	23	1	0	0	79	28	54
	Smokejumper	0	0	0	0	0	2	0	0
	Specialty Tracked Equipment Operator	1	2	0	0	0	0	1	3
	Staging Area Manager	0	0	0	0	0	30	0	1
	Status/Check-In Recorder	0	51	0	0	5	67	26	65
	Strategic Operational Planner	0	6	0	0	0	15	3	9
	Strike Team Leader Crew	0	0	0	0	0	5	0	0
	Strike Team Leader Engine	0	16	0	1	0	56	5	20

Request Catalog Name: Overhead continued....									
Positions	Strike Team Leader Heavy Equipment	0	1	0	0	0	6	1	2
	Structure Protection Specialist	0	3	5	0	0	21	11	10
	Supply Unit Leader	0	13	5	1	1	55	17	29
	Support Branch Director	0	0	0	0	0	0	2	2
	Takeoff And Landing Coordinator	0	0	0	0	0	1	0	0
	Task Force Leader	3	163	44	8	23	270	130	215
	Technical Assistance Engineering Support	0	0	0	0	0	0	2	2
	Technical Specialist	16	196	105	13	11	60	902	960
	Time Unit Leader	0	18	2	0	1	23	14	36
	Tractor Plow Operator	0	2	2	0	1	0	25	25
	Tractor Plow Operator Initial Attack	0	5	4	0	0	0	13	14
	UTV Operator	0	0	1	0	0	0	1	1
	Unmanned Aircraft System, Data Specialist	0	0	0	0	0	3	0	0
	Unmanned Aircraft System, Manager	0	0	1	1	0	2	1	0
	Unmanned Aircraft System, Module Leader	0	2	6	1	0	0	6	2
	Unmanned Aircraft Systems Pilot	10	42	65	13	7	10	79	62
	Warehouse Materials Handler	0	2	0	0	0	0	3	5
	Wildland Fire Investigator	0	7	3	0	0	13	6	9
Positions		**174**	**3,789**	**1,774**	**431**	**236**	**6,361**	**9,323**	**11,176**
Overhead Summary		**198**	**3,873**	**1,951**	**462**	**256**	**6,579**	**9,582**	**11,343**

TX-TXS Arrowhead 2021

Type 1 Incident Management Teams

In 2021, 141 days was the total of days Type 1 Incident Management Teams (IMT) were assigned out of the geographical area.

Inc. GACC	Inc. Number	Incident Name	Mob ETD	Demob ETA	Days Assigned	Inc. Type
Resource Name: SA Blue T1 IMT Morales						
MT-NRC	MT-BDF-006269	Alder Creek	7/11/2021	7/27/2021	17	Wildfire
MT-NRC	MT-BDF-006269	Alder Creek	8/6/2021	8/23/2021	18	Wildfire
ID-NIC	CA-MNF-000753	2021 NIFC Large Fire Support	9/12/2021	9/14/2021	3	Preparedness/Preposition
CA-KNP	CA-KNP-000122	KNP Complex	9/14/2021	10/4/2021	21	Complex
Resource Name: SA Red T1 IMT Parrish						
ID-NIC	ID-FCF-000018	2021 NIFC Large Fire Support	7/27/2021	7/28/2021	2	Preparedness/Preposition
MT-NRC	MT-HLF-005079	Divide Complex	7/28/2021	8/12/2021	16	Complex
CA-ONCC	CA-KNF-006454	Antelope	8/18/2021	9/10/2021	24	Wildfire
CA-ONCC	CA-SHF-001187	Monument	9/25/2021	10/10/2021	16	Wildfire
Resource Name: FL State Red T1 IMT						
OR-NWC	OR-NWC-000003	2021 RAC MOB Support	8/20/2021	8/21/2021	2	Preparedness/Preposition
OR-NWC	OR-UPF-000450	Devils Knob Complex	8/21/2021	9/11/2021	22	Wildfire

Type 2 Incident Management Teams

The Southern Area Type 2 Incident Management Team (IMT) was assigned for a total of 52 days out of the geographical area.

Inc. GACC	Inc. Number	Incident Name	Mob ETD	Demob ETA	Days Assigned	Inc. Type
Resource Name: SA Gold T2 IMT Beard						
OR-NWC	WA-COF-001764	GACC Support COF	7/19/2021	7/21/2021	3	Preparedness/Preposition
MT-NRC	MT-HLF-005087	American Fork	7/21/2021	8/2/2021	13	Wildfire
ID-NIC	ID-FCF-000018	2021 NIFC Large Support	8/11/2021	8/12/2021	2	Preparedness/Preposition
MT-NRC	MT-LNF-000893	West Lolo Complex	8/11/2021	8/29/2021	13	Complex
CA-ONCC	CA-BTU-009205	Dixie	9/21/2021	10/11/2021	21	Wildfire

Type 3 Incident Management Teams

The Southern Area Type 3 Incident Management Team (IMT) was assigned for 68 days to wildfire incidents out of the geographical area.

Inc. GACC	Inc. Number	Incident Name	Mob ETD	Demob ETA	Days Assigned	Inc. Type
Resource Name: SA Gray T3 IMT Ketron						
OR-NWC	OR-DEF-000524	COFMS Support 2021	07-19-2021	7/24/2021	6	Preparedness/Preposition
OR-NWC	WA-NES-002143	Nelson Creek	07-24-2021	08-04-2021	12	Wildfire
OR-NWC	WA-COF-001764	GACC Support COF	8/6/2021	08-11-2021	6	Preparedness/Preposition
OR-NWC	OR-MHF-000753	Bull Complex	08-11-2021	08-24-2021	14	Complex

OR-NWC	OR-NWC-000003	2021 RAC Mob Support	09-01-2021	9/2/2021	2	Preparedness/Preposition
OR-NWC	OR-UMF-000659	Green Ridge	09-02-2021	09-19-2021	18	Wildfire
GA-SAC	AL-ALF-210220	TL Fall Branch	11-20-2021	11-29-2021	10	Wildfire

Buying Teams

Buying Teams from the Southern Area were mobilized for a total of 162 days on assignments to support incidents within Rocky Mountain, South Ops., and Southwest geographic areas.

Inc. GACC	Inc. Number	Incident Name	Mob ETD	Demob ETA	Days Assigned	Inc. Type
Resource Name: SA Buying Team Robinson						
MT-NRC	MT-CGF-210148	Robertson Draw	06-16-2021	07-08-2021	23	Wildfire
MT-NRC	MT-BDF-006269	Alder Creek	07-15-2021	07-15-2021	1	Wildfire
MT-NRC	MT-BDF-006027	2021 MT-BDF Large Fire Support	07-15-2021	08-05-2021	22	Preparedness/Preposition
CA-ONCC	CA-R05-000002	2021 R05 Support	08-26-2021	10-15-2021	51	Preparedness/Preposition
CA-ONCC	CA-R05-000002	2021 R05 Support	10-25-2021	11-09-2021	16	Preparedness/Preposition
Resource Name: SA Buying Team Littlechief						
OR-NWC	OR-EIC-210001	2021 EICC Support	08-25-2021	09-07-2021	14	Preparedness/Preposition
CA-ONCC	CA-R05-000002	2021 R05 Support	10-01-2021	11-04-2021	35	Preparedness/Preposition

2021 Compact Dispatches
No Compact Dispatches were activated.

TX-TXS Belcher Complex 2021

END OF REPORT