

# GPC Annual Report 2019





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## **2019 Overview for GPC**

Another year has gone on by. The time in-between our last spring snow storm and our first fall storm was very short, from the end of May to early Oct. Then we had lots of rain to fill the summer months in-between. “Wet” is the word I got back from Dr Clabo when asking him for a look back on the fire season weather.

We lost some good folks along the way this year from our zone. They will be missed.

### **R.I.P. Dwain Hudson, Bill Bell and Jake Diedtrich**

Once again, we sent lots of resources out of zone. Our folks went from Alaska to Texas to West Virginia to even Australia at the end of the year. We had another successful MedEvac training this spring and then we helped with some medical emergencies in the field as well. We saw Tatanka IHC reach a mile marker for 20 years as a crew in our zone. We saw folks move on and new folks settle into place. “Change” seems to be the one thing that we can count on no matter what we are dealing with in our work or personal lives. So here is a review of our last year as we move on to a new decade, starting with 2020 and the many changes around the bend.



*May  
22nd  
2019*

## Fire Weather Summary for 2019

“January, February, and March brought well-below average temperatures to the region. South Dakota was especially cold with temperatures from 8-11 degrees below average for the 3-month timeframe. Precipitation was near average during this same period; however, a major blizzard/rainstorm swept through the region in mid-March which started a long-duration flooding event. The cooler than average temperatures continued across the region from April – June. The cool temperatures were largely a product of excessive precipitation over the area in these three months. Most areas received 2-8 inches of precipitation over historical averages. Another notable blizzard moved through SD April 10-12 which exacerbated the flooding issues. The precipitation did not let up during the warm months of July – September as well-above average rainfall continued. Eastern WY and Nebraska did see average to above average temperatures during this period while South Dakota remained cooler than average. The months from October through December brought average to cooler than average temperatures. Above average precipitation was seen again across SD and eastern WY while NE did see some moisture deficits.

The year 2019 will be remembered as the wettest year on record in South Dakota and the 4<sup>th</sup> wettest year on record in Nebraska. With copious precipitation during the primary summer wildfire season as well as in both the spring and fall shoulder fire seasons, there was little opportunity for critical fire weather conditions to develop. The combination of cool and wet conditions led to ERC values that were at or below average throughout the year. “

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**Darren R. Clabo, Ph.D.**

South Dakota State Fire Meteorologist





## Great Plains Interagency Dispatch Center 2019 Cost Share

Funding Source	Funding
Black Hills NF	\$313,086
Nebraska NF	\$38,700
Bureau of Land Management – SD	\$8,000
Bureau of Land Management - WY	\$8,000
Fish & Wildlife Service	\$10,225
National Park Service	\$30,000
Nebraska State	\$12,000
South Dakota State	\$134,023
Bureau of Indian Affairs	\$80,077
Wyoming State	\$3,000
<b>TOTAL</b>	<b>\$637,111</b>

## 2019 FIRE ACTIVITY

# Large Fires

Fire Name	Date	Ownership	Acres	Cause
<b>Red Kate</b>	03/21/19	NE-PVT	7,800	Equipment
<b>Lonesome</b>	04/04/19	SD-PRA	249	Debris Burning
<b>Cut Across</b>	04/05/19	NE-PVT	1,000	Under Investigation
<b>High Plains</b>	04/17/19	FS - BKF	140	Lightning
<b>Hereford</b>	11/16/19	FS - NBF	603	Campfire
<b>Sand Hills</b>	11/23/19	SD-RBA	919	Equipment



## All Reported Fires

<b>FIRES AND ACRES BY CAUSE PER UNIT AS REPORTED TO GREAT PLAINS FOR THE REGIONAL AND NATIONAL SITUATION REPORTS</b>									
OWNERSHIP		HUMAN		LIGHTNING		TOTAL		PRESCRIBED FIRE	
AGENCY	State/Unit	FIRES	ACRES	FIRES	ACRES	FIRES	ACRES	FIRES	ACRES
SD-GPA	ND-SRA	17	24.25	2	0.6	19	24.85	8	679
SD-GPA	NE-WIA	1	0.8	0	0	1	0.8	2	1360
SD-GPA	SD-CCA	9	6	3	0.7	12	6.7	1	8
SD-GPA	SD-CRA	12	15.35	1	0.1	13	15.45	0	0
SD-GPA	SD-FSA	0	0	0	0	0	0	0	0
SD-GPA	SD-LBA	5	0.6	0	0	5	0.6	0	0
SD-GPA	SD-PRA	70	279.42	8	7.1	78	286.52	5	5
SD-GPA	SD-RBA	23	962.6	0	0	23	962.6	0	0
SD-GPA	SD-SIA	0	0	0	0	0	0	0	0
SD-GPA	SD-YAA	0	0	0	0	0	0	1	34
<b>TOTALS</b>		<b>137</b>	<b>1289.02</b>	<b>14</b>	<b>8.5</b>	<b>151</b>	<b>1297.52</b>	<b>17</b>	<b>2086</b>
SD BLM	SD-SDD	1	0.1	1	0.1	2	0.2	2	288
WY BLM	WY-NCD	0	0	1	0.1	1	0.1	1	70
<b>TOTALS</b>		<b>1</b>	<b>0.1</b>	<b>2</b>	<b>0.2</b>	<b>3</b>	<b>0.3</b>	<b>3</b>	<b>358</b>
WY-CTY	WY-CRX	1	2.1	5	4.1	6	6.2	0	0
WY-CTY	WY-WEX	0	0	2	0.2	2	0.2	0	0
NE-NES	NE-NES	5	3858.75	3	6.4	8	3865.15	2	1548.08
SD-SDS	SD-SDS	150	732	32	78	182	810	49	5259.11
WY-WYS	WY-WYS	0	0	0	0	0	0	0	0
<b>TOTALS</b>		<b>156</b>	<b>4592.85</b>	<b>42</b>	<b>88.7</b>	<b>198</b>	<b>4681.55</b>	<b>51</b>	<b>6807.19</b>
NE-NBF	NE-NBF	5	627.94	1	25.01	6	652.95	8	9735
SD-BKF	SD-BKF	12	1.4	19	148.35	31	149.75	42	24324.55
<b>TOTALS</b>		<b>17</b>	<b>629.34</b>	<b>20</b>	<b>173.36</b>	<b>37</b>	<b>802.7</b>	<b>50</b>	<b>34059.55</b>

## Reported Fires continued...

OWNERSHIP		HUMAN		LIGHTNING		TOTAL		PRESCRIBED FIRE	
AGENCY	State/Unit	FIRES	ACRES	FIRES	ACRES	FIRES	ACRES	FIRES	ACRES
CO-R6R	NE-CLR	0	4958	0	0	0	4958	1	5
CO-R6R	NE-FNR	0	0	0	0	0	0	0	0
CO-R6R	NE-RBR	0	0	0	0	0	0	9	1968.5
CO-R6R	NE-VAR	0	0	0	0	0	0	0	0
CO-R6R	SD-HUR	0	0	0	0	0	0	1	0.1
CO-R6R	SD-KMR	0	0	0	0	0	0	0	0
CO-R6R	SD-LAR	0	0	0	0	0	0	3	2682
CO-R6R	SD-LCR	0	0	0	0	0	0	1	1629
CO-R6R	SD-MDR	0	0	0	0	0	0	6	181.2
CO-R6R	SD-SLR	0	30	0	0	0	30	1	922
CO-R6R	SD-WAR	0	0	0	0	0	0	1	0.1
<b>TOTALS</b>		<b>0</b>	<b>4988</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4988</b>	<b>23</b>	<b>7387.9</b>
NE-MWP	NE-AFP	0	0	0	0	0	0	1	738
NE-MWP	NE-HOP	0	0	0	0	0	0	0	0
NE-MWP	NE-SBP	0	0	1	0.1	1	0.1	0	0
NE-MWP	SD-BDP	0	0	0	0	0	0	1	400
NE-MWP	SD-JCP	0	0	0	0	0	0	0	0
NE-MWP	SD-MOP	0	0	0	0	0	0	0	0
NE-MWP	SD-MRP	0	0	0	0	0	0	0	0
NE-MWP	SD-WCP	0	0	0	0	0	0	0	0
NE-MWP	WY-DTP	0	0	0	0	0	0	0	0
<b>TOTALS</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>0.1</b>	<b>1</b>	<b>0.1</b>	<b>2</b>	<b>1138</b>
SD-TNC	SD-PCI	0	0	0	0	0	0	1	685
NE-TNC	NE-NBRI	0	0	0	0	0	0	0	0
<b>TOTALS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>685</b>
<b>GPC Totals</b>		<b>311</b>	<b>11499.31</b>	<b>79</b>	<b>270.86</b>	<b>390</b>	<b>11770.17</b>	<b>147</b>	<b>52521.64</b>

# 2019 Great Plains Air Operations

## Black Hills Helicopter Program

Operations		Cost Totals	
Number of IA fires:	25	Availability:	\$373,161.00
Number of IA fires supported with bucket:	18	Hours Unavailable:	0
Percent of IA fires supported with bucket:	72%	Flight time:	\$117,869.42
Number of large fire supports:	0	Service mileage:	\$15,188.18
Number of days on Extended Attack fires:	0	Vender peridium:	\$22,170.36
Gallons of water delivered:	17277	Special charges:	\$277.33
Number of passengers carried:	362	Ext. Avail. Pilot	\$8,418.00
Internal cargo weight carried:	25460	Ext. Avail. Mech	\$322.00
External cargo weight carried:	21135	Ext. Avail. Driver	\$0.00
Number of training cargo let-downs:	0	<div style="background-color: #FFD700; padding: 10px; border: 1px solid black;"> <p style="margin: 0;"><b>GRAND TOTAL FOR THIS YEAR</b></p> <p style="margin: 0;"><b>\$537,406.29</b></p> </div>	
Number of operational cargo let-downs:	0		
Number of training rappels	0		
Number of operational rappels	0		
Number of training short-hauls	0		
Number of operational short-hauls	0		
Number of Search & Rescues	0		
Number of Hover-Steps	0		



## Black Hills Helicopter Program continued...

On District		Agency	
Ferry Flight:	0	USFS Ft:	28.3
Initial Attack:	8.9	BLM Ft:	21.1
Large Fire Support:	0.7	NPS Ft:	0
Prescribed:	0	FWS Ft:	0
Training:	1.9	BIA Ft:	0
Non-Fire:	0	State Ft:	4.5
S.A.R.:	0	Military Ft:	0
<b>Off District</b>		Non Revenue Ft:	0.1
Ferry Flight:	7.3		54
Initial Attack:	37.4	<b>Total</b>	
Large Fire Support:	29.4	Total Flight Time:	94
Prescribed:	0.7		
Training:	0		
Non-Fire:	0		
S.A.R.:	0		
<b>Non Revenue</b>			
Non Revenue Ft:	0.1		

### NES/NEMA T-875 STATISTICS 2019

On Contract 62 days – July 29<sup>th</sup> to September 28<sup>th</sup>

No Fires flown.

Proficiency Flights -3 total FT 3.27 HRS / 9 SORTIES W/WATER. All flights used for training opportunities with local fire agencies. And other entities.

Fire prevention visit from local rural school kids

Supported / participated in the Western Nebraska Engine Academy/ Gering, NE & provided aviation support to the live fire training

3 sorties water w/foam total flight hrs. there-1.75 FT.

## **RAPID CITY AIRTANKER BASE STATISTICS 2019**

Full-Service Contract staffed June 1-Sept 30----- 122 days

Total gallons Retardant delivered: 14,840

Total water delivered 0

Total gel delivered 0

11,877 gallons delivered to BLM Wyoming—

4 loads

Pedro Fire (WY-RAD-019341/PDMN4P) @\$5.40 = \$65,798

2,963 gallons delivered to State of Montana—

1 load

Mountain View Fire (MT-LG03-190460/PNMPN9) @\$5.40 = \$16,415

### **South Dakota National Guard Support**

The annual Medevac field training, working with SDNG, Black Hills Life Flight and interagency partners to train federal and state land management personnel on air medevac procedures was planned for June. Both Central and North Zone Trainings went exceptionally well with over 100 participants.

The partnership with the South Dakota National Guard, our land management agencies and Great Plains Dispatch Center has developed in such a way that it is more common than not that the SDNG is called on to work on fires in the Black Hills, in the initial stages. This year the SDNG was trained and certified but not needed for fire support.

### **South Dakota State and BIA**

No SEATS were on contract this year for either agency.

## Resource Orders

<b>Resource Orders Filled by Agency in 2019</b>						
	<b>Overhead</b>	<b>Crew</b>	<b>Equipment</b>	<b>Aircraft</b>	<b>Supply</b>	<b>Total</b>
<b>BKF</b>	<b>433</b>	<b>14</b>	<b>84</b>	<b>5</b>	<b>3</b>	<b>539</b>
<b>NBF</b>	<b>175</b>	<b>3</b>	<b>49</b>	<b>2</b>	<b>1</b>	<b>230</b>
<b>SDS</b>	<b>210</b>	<b>9</b>	<b>43</b>	<b>3</b>		<b>265</b>
<b>NES</b>	<b>3</b>	<b>1</b>	<b>7</b>			<b>11</b>
<b>WY</b>		<b>1</b>	<b>9</b>			<b>10</b>
<b>NPS</b>	<b>133</b>	<b>1</b>	<b>5</b>			<b>139</b>
<b>FWS</b>	<b>34</b>		<b>2</b>			<b>36</b>
<b>BIA</b>	<b>161</b>	<b>6</b>	<b>13</b>	<b>1</b>		<b>181</b>
<b>SD BLM</b>	<b>2</b>		<b>12</b>			<b>14</b>
<b>WY BLM</b>			<b>1</b>			<b>1</b>
<b>VFD</b>			<b>15</b>			<b>15</b>
<b>GACC/NICC</b>	<b>3</b>			<b>3</b>		<b>6</b>
<b>GPC/PVT</b>	<b>21</b>		<b>3</b>			<b>24</b>
<b>Total</b>	<b>1175</b>	<b>35</b>	<b>240</b>	<b>14</b>	<b>4</b>	<b>1471</b>



Standing Rock BIA Road 3