

Kent Turner TYKE 9850

TECHNICAL FILE MATERIAL
Cape Hatteras National Seashore
DO NOT REMOVE

FIRE HISTORY SUMMARY
Cape Hatteras National Seashore
February 1985

The following analysis is taken from a five-year summary prepared in 1968 for 1963-68.

" ANALYSIS:

A. By far, most of the fires during the past five years fall into Class A and B categories. There were only three Class C fires and none larger than C over the five-year period. The average number of fires per year during the last five years is seven, and there was little deviation from the average in any one year.

B. The pattern of fire occurrence indicates that there is no well-defined fire season, since fires occurred at all times of the year; however, the water table is usually at its lowest during the spring and summer months, which coincidentally is the period of greatest visitation.

C. Smoking by transients is the greatest cause of fires, bearing out the conclusions under Section B, above, that the incidence of fire can usually be related to the amount of visitor use.

D. Total acreages burned are small and cost of suppression reasonably low. This indicates early detection and quick response by Protection personnel. Origin of fires has been concentrated in public use areas which probably improves the probability of quick discovery and suppression action.

E. Visitors reported most of the fires, as would be expected in a long, narrow park, and again indicating the relationship between fire occurrence and numbers of visitors.

It appears that there are no significant trends in the incidence of wild fires, the number of acres burned, or the cost of suppression. The vegetative cover on the islands increases in density each year, which provides more fuels for wild fire. It can be anticipated that the fire potential will increase each year for some time to come."

That summary still generally describes the situation today, perhaps including their prediction that fire potential would increase as vegetation density increases."

Fire data was summarized for the period 1963 to 1984. The data for 1963 to 1968 came from the above-mentioned summary. Data for 1969 to 1974 came from yearly fire logs. Data from 1975 to 1984 came from yearly fire logs, supplemented by a complete set of individual fire reports. Several fires to which park personnel responded, outside park boundaries, were not included.

The 22-year period contained a total of 186 fires, for an average of 8.4 fires per year. There were a total of 77 Class A fires, 83 Class B fires, and 10 Class C fires with 16 fires of unknown size. On an average year, there are 3.5 Class A fires, 3.8 Class B fires, and 0.45 Class C fires. The largest fire was 50 acres (9/27/83). Only five fires have been larger than nine acres. (Since 1968; size of five Class C fires between 1963 and 1967 is unknown.) Average acres per fire is 3.02; average burned acres per year equals 23.33.

Ninety percent of the fires during the 22-year period occurred during March through October; 48% occurred in June, July and August, the heavy visitation months. As stated in the 1968 summary, there is no clearly distinct fire season, but there is a strong link between high visitation periods and fire occurrence. The most active fire season, for planning purposes, should be viewed as March through October. High risk periods occur June through August. Note, however, that our largest fires, generally caused by power lines, can occur at any season.

Between 1984 and 1974, there were 83 fires, supported by individual fire reports, for which cause of fire can be stated with some confidence. Seventeen of these were listed as "unknown." Known causes, in descending order, are smoking - 16; power line - 14; campfires (cooking or warming) - 11; fireworks - 10; welding on tanks or bridges - 3; lightning - 3; and other, miscellaneous - 9. For known causes of Class C fires, three were caused by power lines, and one by an illegal campfire.

There have been three reported lightning ignitions. Two of these were on the same day, and both self-extinguished in the rain. (One of these two was actually lightning striking a transformer.) The total acreage for these was less than 0.25 burned. The third reported lightning strike is suspect; a fisherman felt a tremor, like a lightning strike, and then noted a dune grass fire. Lightning is not a significant factor (barely a factor at all) in our fire history.

In summary, our fire history shows a number (around seven) of small fires per year (usually less than one acre), started by human source, generally camp or cooking fires, fireworks, or cigarettes. These are punctuated by less frequent, but usually larger, fires caused by power lines or exploded transformers. That more damage is not done by our visitor-caused fires is probably due to visitors overwhelming use of beach or dune grass areas, as opposed to woods or shrub thickets. One potential problem area bearing watching is Frisco campground, near Buxton Woods, with a high incidence of escaped campfires. Restrictions, or closer monitoring, may be needed when periods of high visitation overlap with periods of high burning index.

Summary data and map should be updated yearly by resource management office. Supporting fire records are maintained by Chief Ranger.

CAPE HATTERAS FIRE SUMMARY, 1963 - 1984

Year	84	83	82	81	80	79	78	77	76	75	74	* 73	72	* 71	* 70	* 69	68	67	66	65	64	63	Totals	Average per year	
Fire Class																									
A	2	7	4	5	4	3	2	2	5	4	5	4	2	3	0	0	4	4	4	5	0	8	77	3.5	
B	0	2	3	3	3	6	3	6	6	7	5	5	5	5	3	5	3	2	2	2	4	3	83	3.77	
C	1	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	1	2	10	0.45	
(None >C)																									
Total	3	10	7	9	7	9	5	8	11	11	11	11	7	14	5	12	7	7	7	7	5	13	186	8.45	
*Acres burned	30.22	52.15	11.45	31.49	6.06	19.22	5.9	9.4	15.0	9.55	36.65	*6.09	9.72	*15.45	*3.0	*7.0	9	81	46	2	39	68	513.35	23.33	
*Avg.Acre/fire	10.07	5.21	11.63	3.49	0.87	2.13	1.2	1.2	1.4	0.87	3.33	*.67	1.39	*1.71	*1.0	*1.4	1.3	11.5	6.6	0.29	7.8	5.2	*3.02		
Month of Occurrence																									
JAN				1													1				1		3		
FEB				1				1						3							1		6		
MAR					1	2		2	2	1	3						1	1	1			3	13		
APR	1	2	2	1			1	2	2	1	1			3	1	1		1	2	1		2	21		
MAY			1			2			1									1	1	1			14		
JUN		2		4	3	1		1	1	3		1	3		1	2		1	1	1		1	25		
JUL		2	1	1	2	1		2	2	1	1	1	3	2	1	1	1	1		3	3	3	28		
AUG		2	1	1	1	2	1	2	1	2	1	4	1	2	2	6	2	3	1	1		1	36		
SEP	1	1				1			1	1	1	1		1	1	1			2	2		1	15		
OCT	1		1				3			1	2	4					2		1	1		1	16		
NOV		1							1	1	2							1	1				7		
DEC			1															1					2		
	90% fires occur	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	March	
	Largest fire	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	50 acres	

(Note: For years with asterisk(*) (69, 70, 71 & 73), all fires on logs were not size classified; therefore, totals of Class A+B+C do not equal total reported. Also, only fires for which burned acreages were known were used to compute acres burned and average acres per burn. Average area burned per fire for period reflects 170 fires for which acreage was known, as opposed to 186 total fires.)

CAHA Fire History Log 1963-1984

Note: The following information is taken from CAHA yearly fire logs from 1963 to 1984. This summary data is supported by individual fire reports from 1975 to 1984. All fires listed are type A, wildfires. (Size class key: A=0.0 to 0.25 acres, B=0.26 to 9.9 acres, C=10.0 to 99.9 acres.)

DATE	(CL)ACRES	LOCATION	CAUSE	VEGETATION	MISCELLANEOUS
09/09/84	(C)30.00	35°48', 75°33' (Marsh-½mi. N Oregon Inlet Campground)	Transformer on power-line	Marsh grass and shrubs	Photo monitored 1984-1985
08/18/84	(A)00.12	35°12', 75°42' (Austin Creek)	Unknown	Marsh grasses	
04/06/84	(A)00.10	35°08', 75°55' (Island Creek)	Hot metal, welding on bridge	Fresh marsh	
11/14/83	(B)01.00	35°51', 75°34' (Ramp 1)	Discarded embers	Dune grass	
09/27/83	(C)50.00	35°38', 75°28' (S curve Pea I.)	Power line	Shrub and marsh	Photos and report
08/26/83	(A)00.10	35°14', 75°35' (Frisco beach)	Smoking	Dune grass	
08/07/83	(B)00.70	35°17', 75°31' (Ramp 41, west of NC 12)	Fireworks	Dune grass	
07/23/83	(A)00.01	35°13', 75°40' (Frisco camp-ground)	Smoking	Dune grass	
07/04/83	(A)00.01	35°14', 75°37' (Frisco camp-ground)	Cooking grill	Dune grass	
06/27/83	(A)00.03	35°13', 75°38' (Frisco pier)	Fireworks	Dune grass	
06/21/83	(A)00.10	35°13', 75°39' (one mile south of Frisco pier)	Unknown	Dune grass	
04/15/83	(A)00.15	35°14', 75°37' (Ramp 49)	Plane crash	Dune grass	
04/11/83	(A)00.05	35°11', 76°47' (west of NC 12 at Ramp 59)	Power line	Dune grass and shrubs	
12/18/82	(B)01.00	35°14', 75°37' (Frisco water tower)	Welding on tower	Dune grass	
10/12/82	(A)00.03	35°24', 75°29' (Little Kinna-keet	Vehicle exhaust system	Marsh grass	

DATE	(CL)ACRES	LOCATION	CAUSE	VEGETATION	MISCELLANEOUS
08/30/82	(A)00.25	35°19', 75°31' (South Ramp 38)	Fireworks	Dune grass	
07/17/82	(B)01.00	35°14', 75°38' (Surf 'N Sound Campground)	Children	Dune grass	
05/23/82	(A)00.10	35°07', 75°54' (Hammock Oak)	Smoking	Dune grass	
04/24/82	(A)00.07	35°15', 75°32' (Buxton housing)	Dumped ashes	Down brush	
04/04/82	(B)09.00	35°10', 75°50' (Great Swash)	Power line	Shrub thicket	
03/01/81	(A)00.20	35°49', 75°34' (North of Oregon Inlet Campground)	Power line	Shrub thicket	
07/12/81	(A)00.03	35°06', 75°66' (Ramp 70)	Smoking	Dune grass	
06/30/81	(A)00.01	35°49', 75°34' (Bodie Island, NC 12)	Power line	Dune grass	
06/23/81	(B)01.00	35°24', 75°29' (Ramp 16)	Smoking	Dune grass	
06/17/81	(A)00.05	35°49', 75°34'	Lightning	Dune grass	Started near power line, extinguished in rain.
06/17/81	(A)00.20	35°49', 75°34'	Lightning	Shrub thicket	Extinguished itself in rain.
04/05/81	(C)17.00	35°04', 75°00' (S.Point Trail)	Campfire	Shrub thicket	
02/10/81	(B)07.00	35°12', 75°44' (Goose Creek Hatteras Inlet)	Power line	Marsh grass	
01/27/81	(B)06.00	35°11', 75°48' (Mile Post 60)	Power line	Shrub thicket	
08/08/80	(A)00.01	35°15', 75°32' (Buxton Coast Guard housing)	Power line	Yard	
07/04/80	(A)00.02	35°54', 75°35' (Ramp 14)	Fireworks	Dune grass	
07/04/80	(A)00.03	35°54', 75°35' (Ramp 12)	Fireworks	Dune grass	
06/12/80	(B)04.00	35°16', 75°31' (Ramp 22)	unknown	Dune grass, shrubs	
06/11/80	(B)01.00	35°12', 75°41' (Ramp 55)	unknown	Dune grass	
06/10/80	(A)00.01	35°12', 75°31' (Lighthouse intersection)	Smoking	Grass	

DATE	(CL)ACRES	LOCATION	CAUSE	VEGETATION	MISCELLANEOUS
03/26/80	(B)01.00	35°17', 75°31' (one way road)	Smoking	Dune grass	
09/08/79	(B)01.00	35°06', 75°57' (Ramp 70)	Fireworks	Dune grass	
08/11/79	(B)09.00	35°23', 75°30' (Ramp 18)	unknown	Dune grass	
08/09/79	(A)00.01	35°14', 75°36' (Frisco Cmpgrd)	Smoking	Dune grass	
07/08/79	(B)01.00	35°15', 75°31' (one way road)	unknown	Dune grass	
06/20/79	(B)02.00	35°26', 75°29' (Ramp 16)	unknown	Dune grass	
05/27/79	(A)00.01	35°14', 75°36' (Frisco Cmpgrd)	Campfire grill	Dune grass	
05/01/79	(A)00.20	35°16', 75°31' (500 ft. road)	unknown	Shrubs	
03/23/79	(B)04.00	35°15', 75°34' (Buxton)	unknown	Shrubs	
03/13/79	(B)02.00	35°12', 75°44' (Hatteras Inlet road)	Campfire	Dune grass	
10/28/78	(B)00.80	35°15', 75°30' (Ramp 22)	Power line	Dune grass	
10/21/78	(A)00.05	35°54', 75°35' (Wimble Shoals)	unknown	Dune grass	
10/02/78	(A)00.05	35°22', 75°30' (Cape Point Camp ground)	unknown	Dune grass	
08/15/78	(B)02.00	35°10', 75°46' (Mile Post 59)	Power line	Marsh	
04/08/78	(B)03.00	35°54', 75°35' (1.9 South Whalebone)	unknown	Salt flat	
08/09/77	(B)03.00	35°18', 75°31' (N one way road)	Lightning	Dune grass	Lightning strike reported by fishermen
08/08/77	(B)01.00	35°12', 75°41' (Hatteras beach)	Fireworks	Dune grass	
07/20/77	(B)01.00	35°15', 75°39' (Frisco Cmpgrd)	Smoking	Dune grass	
07/18/77	(B)01.00	35°31', 75°29' (two miles south of Salvo)	Smoking	Dune grass	
06/04/77	(B)01.00	35°23', 75°31' (two miles north of AVon)	Child with matches	Shrubs	
04/15/77	(A)00.20	35°54', 75°35' (Pea Island restroom)	Exhaust	Dune grass	

DATE	(CL)ACRES	LOCATION	CAUSE	VEGETATION	MISCELLANEOUS
04/11/77	(B)02.00	35°07', 75°52'	Smoking	unknown	
02/07/77	(A)00.20	35°54', 75°35' (Bodie Island Lighthouse)	unknown	Dune grass	
11/14/76	(A)00.10	35°54', 75°35' (South of Whalebone and west of Road)	Campfire	Shrubs and pines	
09/03/76	(A)00.10	35°14', 75°37' (Frisco Campgrnd)	Campfire grill	Dune grass	
08/06/76	(A)00.10	35°14', 75°37' (Frisco Campgrnd)	Campfire	Dune grass	
07/01/76	(B)03.00	35°10', 75°48' (Ocracoke)	Power line	unknown	
07/04/76	(A)00.10	35°14', 75°37' (Frisco Campgrnd)	Campfire	Dune grass	
06/15/76	(A)00.10	35°53', 75°35'	Smoking	Typha	
05/21/76	(B)01.00	35°14', 75°32' (Cape Point Campground)	Fireworks	Dune grass	
04/24/76	(B)04.00	35°48', 75°35' (0.3 North of Oregon Campground)	unknown	Dune grass	
04/17/76	(A)00.50	35°15', 75°32' (opposite Buxton nature trail)	Campfire	Dune grass/shrubs	
03/31/76	(B)05.00	35°04', 76°00' (Ocracoke)	Detonation of Mine-EOD	Dune grass	Mine entangled in trawler net - exploded for safety
03/05/76	(B)01.00	35°09', 75°82' (Ramp 54)	Campfire	Dune grass	
11/08/75	(A)00.20	35°06', 75°66' (Ocracoke)	Smoking	Dune grass	
10/20/75	(B)03.00	35°14', 75°38' (Frisco water tower)	Welding	Dune grass	
09/14/75	(B)01.00	35°12', 75°40' (Hatteras parking turn out)	Smoking	Dune grass	
08/17/75	(B)01.00	35°14', 75°38' (Frisco Campgrnd)	Fireworks	Dune grass	
08/09/75	(B)01.00	35°20', 75°30' (Ramp 20)	Fireworks	Dune grass	
07/02/75	(B)01.00	35°12', 75°40' (Billy Mitchell)	unknown	Dune grass	
06/23/75	(B)01.00	35°14', 75°31' (Cape Point Campground)	unknown	Dune grass	
06/16/75	(B)01.00	35°18', 75°31' (one way road)	unknown	Dune grass	

DATE	(CL)ACRES	LOCATION	CAUSE	VEGETATION	MISCELLANEOUS
06/09/75	(A)00.05	35°14', 75°37' (Frisco Cmpgrnd)	Charcoal grill	Dune grass	
04/20/75	(A)00.20	35°22', 75°31' (Ramp 18-A)	Smoking	Dune grass	
03/29/75	(A)00.10	35°13', 75°32' (Cape Point Campground)	Arson	Dune grass	
11/09/74	(A)00.05	35°50', 75°50'	Smoking	unknown	
10/16/74	(B)01.00	35°28', 75°50'	Power line	unknown	
10/06/74	(C)23.00	35°40', 75°31' (Pea Island)	Power line	Shrubs	

Note: The above fires all supported by individual fire reports. The following information comes from yearly summaries and SERO print-outs (1972-1981) and is less complete and more speculative.

1974: There were 8 additional fires, 4 class B, 4 class A; locations unknown; ignitions unknown, but all were man caused (no lightning ignitions).

DATE	(CL)ACRES
11/16/74	(A)00.10
09/05/74	(B)01.00
08/19/74	(A)00.20
07/21/74	(B)01.00
04/24/74	(A)00.10
03/03/74	(B)04.00
03/03/74	(B)06.00
03/03/74	(A)00.20

1973: 11 fires, all man caused, 1 smoking, 2 campfires, 1 children, 7 miscellaneous.

<u>DATE</u>	<u>(CL)ACRES</u>
10/26/73	(B)04.50
10/25/73	(B)00.50
10/25/73	(A)00.01
10/06/73	(A)00.12
09/07/73	(B)00.30
08/16/73	(A)00.004
08/15/73	unknown
08/11/73	unknown
08/01/73	(B)00.25
07/22/73	(B)00.25
06/10/73	(A)00.15

1972: 7 fires; 5 caused by smoking, 1 by equipment use, 1 miscellaneous.

<u>DATE</u>	<u>(CL)ACRES</u>
08/22/72	(A)00.20
07/20/72	(B)03.00
07/09/72	(B)01.00
07/02/72	(B)04.00
06/28/72	(A)00.02
06/25/72	(B)01.00
06/07/72	(B)00.05

1971: 14 fires; 3 caused by smoking, 1 by equipment use, 1 by campfire, 1 by children, 8 miscellaneous.

<u>DATE</u>	<u>(CL)ACRES</u>
09/21/71	(B)04.00
08/21/71	(A)00.20
08/10/71	(B)01.00
07/11/71	(a)00.10
07/09/71	unknown
05/24/71	(C)26.00 - supported by report
05/13/71	unknown
05/02/71	(B)01.00
04/18/71	unknown
04/11/71	unknown
04/04/71	(A)00.15
02/18/71	(B)08.00
02/13/71	(B)01.00
02/13/71	unknown

1970: 5 fires; 4 caused by smoking, 1 miscellaneous.

<u>DATE</u>	<u>(CL)ACRES</u>
09/05/70	(B)01.00
08/29/70	(B)01.00
08/05/70	unknown
06/29/70	(B)01.00

<u>DATE</u>	<u>(CL)ACRES</u>
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05/31/70	unknown
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1969: 12 fires; 8 caused through recreation activities, 2 caused by smoking, 1 by children, 1 by "incendiary".

<u>DATE</u>	<u>(CL)ACRES</u>
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09/11/69	unknown
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08/30/69	(B)03.00
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08/27/69	(B)01.00
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08/23/69	(A)
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08/19/69	unknown
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08/18/69	unknown
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08/08/69	(B)01.00
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07/14/69	unknown
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06/25/69	unknown
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06/15/69	(B)01.00
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05/30/69	(B)01.00
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04/03/69	unknown
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1968: 7 fires; 4 caused by smoking, 2 by recreation, 1 by camping.

<u>DATE</u>	<u>(CL)ACRES</u>
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10/12/68	unknown
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08/29/68	unknown
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08/14/68	(B)06.00
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07/04/68	unknown
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<u>DATE</u>	<u>(CL)ACRES</u>
06/01/68	unknown
03/08/68	(B)02.00
01/21/68	unknown

 Fire reports 1963-1984 only show one fire each at Wright Brothers Memorial and Fort Raleigh National Historic Site:

Fort Raleigh: 02/01/77 - 35°54', 75°35'; grass fire cuased by smoking, less than one acre.

Wright Brothers: 02/21/77 - Grass fire at Colington Road, less than one acre, caused by road crew.

Cape Hatteras National Seashore
P. O. Box 457
Manteo, North Carolina 27954UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FIRE REPORT SUMMARY

TO: WASHINGTON OFFICE (OR) Through: REGIONAL DIRECTOR	FROM: (Signature and Title) Chief, I & RM	DATE 1/30/69
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I. AREA TOTALS (Current Year)

NUMBER OF FIRES		ACRES BURNED		SUPPRESSION COSTS		AVERAGE COST PER ACRE		AVERAGE COST PER FIRE	
MAN-CAUSED	LIGHTNING	MAN-CAUSED	LIGHTNING	MAN-CAUSED	LIGHTNING	MAN-CAUSED	LIGHTNING	MAN-CAUSED	LIGHTNING
7		9		685		76		98	

II. COMPARATIVE DATA

FIRES BY CLASS AND YEAR (Number)				TIME OF OCCURRENCE (Number of Fires)				FIRE CAUSE AND CLASS OF PERSON (No. of Fires)									
Fire Class	1963	1964	1965	1966	1967	1968	1969	Item	1968	1969	1970	1971	1972	1973	1974	1975	TOTAL
A	4	4	5	4	4			Preseason									
B	3	2	2	4	2	(2)		Jun (Oct)									(3)
C		1		1	1	1		Jul (Nov)									5 (2)
D						2		Aug (Dec)									6 (1)
E						(1)		Sep (Jan)									(1) (2)
F								(Feb)									(1)
G						(1)		(Mar)									(1)
								(Apr)									(3)
								(May)									(3)
								(Jun)									(2)
								Post Season									
TOTAL	7	7	7	5	33	7	7	TOTAL	7	7	7	7	5	33			33

BURNED AREA COST DATA										DETECTION (Number of Fires)										(F) AIRCRAFT USE				
(D) Item		19 68	19 67	19 66	19 65	19 64	TOTAL		(E) Item		19 68	19 67	19 66	19 65	19 64	TOTAL		Item	Number Flights	Total Flight Time	Cost	Cost Per Flight	Standby	
Acres Burned		9	81	46	2	39	177		Park L.O.			2	2	2		0		Fire Sup.	0					
Ave. Acres Per Fire		1.3	11	7	.3	8	5.4		Aircraft									Fire Presup.	0					
FFS Costs		635	1157	517	153	541	3053		Patrolman		1	1	1			3		Detection	0					
FFS Cost Per Fire		98	165	74	22	108	93		Park Emp.		3			4	3	10		Training	0					
									Visitor		3	4	4	1	2	14		Misc.	0					
FFS Cost Per Acre		76	14	11	77	14	17		TOTAL		7	7	7	7	5	33		TOTAL	0					

Reported Fires
January 1963 - December 1964
Superintendent's Monthly Reports

<u>TYPE</u>	<u>ACRES</u>	<u>AREA/DATE</u>	<u>CAUSE</u>
<u>1963</u>			
5 sets of incendiary origin	?	March 28, 1963 Bodie Island	?
Forest fire	300 acres	May 4, 1963 Roanoke Island	?
Marsh fire	13 acres	Near Hatteras June, 1963	?
3 small fires	?	July, 1963 Buxton area	?
Grass fire (small)	?	August, 1963 Near Buxton	?
"B"	?	September, 1963 Near Avon	?
<u>1964</u>			
Several small fires and one large one	about two acres of brush, grass and marsh	January, 1964 Cape Hatteras Lighthouse	Pieces of hot metal from welding a railing on the Cape Hatteras Lighthouse
Grass fire	?	January, 1964 Bodie Island	?
Grass fire	20 acres	February, 1964 Bodie Island	?
Grass fire	?	July, 1964 Near Village of Salvo	Short circuit in electrical power line
?	3 acres	July, 1964 Salvo Campground	?
Marsh fire (small)	?	July, 1964 Bodie Island	Lightning

Reported Fires

March 1954 - December 1956

Superintendent's Monthly Reports

<u>TYPE</u>	<u>ACRES</u>	<u>AREA/DATE</u>	<u>CAUSE</u>
<u>1955</u>			
2 forest fires	?	May 10 & 21st, 1955 Frisco	Careless burning of trash
Controlled burning		November 9, 1955 Pea Island	
"B"	7.67 acres outside Park	November 18, 1955 adjacent land south of Avon	Smoker -- hunter caused
<u>1956</u>			
"B" grass	2.08 acres outside NPS lands	May 28, 1956 Hatteras section	Burning vehicle
Marsh fire	?	November 28, 1956 marsh behind Burrus' garage at Buxton	Due to Naval Facility officer burning debris
"B"	9.15 acres outside Park	December 25, 1956 location unknown	Deliberately set by local resident to burn off the marsh for hunting purposes