

Nov. 1931

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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

-----Zion----- NATIONAL PARK

FILE NO.

MONTHLY REPORT FOR NOVEMBER

1931

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STEPHEN T. MATHER,

Director.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

ZION AND BRYCE CANYON NATIONAL PARKS

UTAH

OFFICE OF THE SUPERINTENDENT

P. O. ADDRESS:
SPRINGDALE, UTAH

December 9, 1931

The Director
National Park Service
Washington D. C.

Dear Mr. Director:

The following is report of operations and activities in Zion and Bryce Canyon National Parks during November, 1931.

000 General

For the first time in over ten years southern Utah has had November snows, and during the past month the entire state experienced quite heavy snowfall and unusually cold weather for this time of year. The snows brought more moisture than the state has seen at any time during the past year, and the long, dry spell which has held true for several years appears to be broken.

100 Administrative

120 Park Inspections by

121 Superintendent. The Superintendent made regular inspections of projects and maintenance work in both Zion and Bryce Canyon National Parks and the Assistant Superintendent made several trips to Bryce during the month.

123 National Park Service Officers. Mr. David Madsen, Supervisor of Wild Life Resources was in Zion November 14 and 15 discussing general game conditions, and the suggestion of the Superintendent that state game reserves be established on our southern and western boundaries.

125 Other Governmental Officers. Dr. W. R. Crane, Senior Mining Engineer of the Bureau of Mines, at the request of the district office of the Bureau of Public Roads, was in the park making a detailed study of Zion Tunnel structure.

140 Labor Situation

With the closing down of various park projects and the fact that road contractors are nearing completion of their projects, the majority of men in this region of Utah have been thrown out of employment for the winter

season. The State of Utah and the counties are cooperating in creating minor road work employment projects, but these are not of sufficient size to utilize all labor available.

160 Status of Alienated Lands

On November 2 land deeds to acreage at the south entrance to Zion Park were formally accepted by the Government, after all minor points in connection with the abstract, etc. had been cleaned up.

170 Surveys

A line survey of the Bryce Canyon National Park was proceeded with in November, but was interrupted by the unexpected snowfall and below-zero weather. Seventeen miles of boundary on the west side of the park were completed and tied to the base line established by Mr. Edwards in 1929.

At the Zion Tunnel a base line has been surveyed which will be immediately utilized to relate tunnel movements, settling and cracks.

200 Maintenance, Improvements and New Construction

210 Maintenance

Heavy rainfall in early November and snowfall later in the month has necessitated an unusual amount of rock slide clearing on the Zion East Rim Road. The fact that the mountain side traversed by this road has received scarcely any moisture for several years, and now has been given an unusually heavy soaking, has resulted in large rock and dirt falls and slides at various points. All of these have been prevented from interfering with travel during the month. In addition, it has been necessary to install snow removal operations on the East Rim.

Zion Tunnel continues to show signs of settling and movement, and observations are made at frequent intervals to study this movement. The Bureau of Public Roads has, during November, had the Senior Mining Engineer of the Bureau of Mines here to make a detailed study and recommendation of the tunnel's structure. It is anticipated that the Bureau will submit recommendations following receipt of that report.

220 Improvements

The upstairs of the chief ranger's quarters has been kalsomined and retinted, and a double brick chimney has been installed in the mechanic's quarters. This latter item replaces two chimneys which formerly created a dangerous fire hazard.

With the cooperation of the Utah Parks Company and the Dixie Power Company, all telephone lines at the south entrance to Zion Park have been relocated so as to prevent interference with the views presented to a visitor of the park entering by that gateway. Telephone work has been completed, and the power line work will be completed early in December. The work consisted of moving all lines high on the hillside to the west and changing the location of a large transformer station from land within the park owned by the Dixie Power Company to a less visible site near the south boundary and just as convenient for their purposes.

230 New Construction

Road Protection from the River at Zion. Work of constructing basket dams to control the course of the Virgin River was completed for the season with the exception of cleaning up and obliteration of service roads. Funds for this purpose have been withheld. The amount of dam work completed for 1931 is now approximately 7,000 cubic yards of rock, or 1,885 lineal feet of dam.

Birch Creek Trail. Two miles of new trail between Zion Lodge and the Court of the Patriarchs in Birch Creek Canyon have been completed and pronounced satisfactory by the Landscape representative.

Roadside Cleanup at Zion. A small crew has continued with the work of obliterating old building sites, fences, walls, trash piles, etc. at the south entrance of Zion. This work developed into a considerably greater job than was originally anticipated, due to the location of unexpected trash heaps, etc. all over the property recently purchased.

Engineer's Cabin at Zion. A small exposed frame two-room cabin, fitted with shower bath and toilet, has been completed on approved location near the south entrance and is now occupied by park engineer.

Dormitory and Messhouse and Employee's Cabin at Bryce. These three buildings were all completed early in November, although storms prevented cleanup around the grounds related to them.

Bryce Trails. A trail starting from Sunrise Point and leading into Campbell Canyon to the Fairyland region of Bryce was completed for a distance of two miles and will be available for use next season. This trail opens up an area heretofore available only to the venturesome traveler.

300 Activities of Other Agencies in the Park

310 Public Service Contractors

The Utah Parks Company is making estimates and considering installation of housekeeping cottages at both Zion and Bryce Canyon Parks for the 1932 season. Due to the economic situation at this time the suggestion of using tents for a temporary period is now under consideration, as this company already has tents in their warehouse.

313 Schedules of Rates

Tentative approval has been given to a rate of \$2.50 per person to be charged for a side automobile trip between Bryce Lodge and White Man's Bench and return over the newly completed rim road in that park. It is expected that this rate will be included with other rates to be formally approved in the near future.

317 Status of Authorized Projects of Contractors

In Zion Park road projects 2A and 4A are practically completed and project 2B is ninety per cent complete. Contractors estimate that they will be completely finished and have their road ready for acceptance by December 20.

At Bryce Canyon the contractor has completed the rim road to an extent of eighty per cent but has been unable to proceed with the section passing Bryce Lodge due to our failure to specify as yet the location which will be used for the road there. With the arrival of winter storms, the contractor on this project has closed his camp for the winter and ceased operations until early spring. It is his intention to retain his contract rights on the balance of the project and complete the job.

400 Flora, Fauna and Natural Phenomena

470 Animals

At no time in the history of Zion National Park have the deer been more plentiful, especially around the centers of habitation. All of this is a result of the protection of the park area and this year has been aided by early winter weather in the higher altitudes which prevented a great deal of hunting during the deer season.

500 Use of Park Facilities by the Public

510 Decrease in Travel

Very little use has been made of the park areas by visitors from out of the state during November. As this decrease is entirely due to weather conditions, it is not to be considered a reflection on the popularity of these parks.

530 Visitors

Mr. Richard L. Reidell and mother of Washington D. C. visited both parks November 15 and 16. Mr. Reidell is an attache of the U. S. Senate.

The boy scout leaders of the state of Utah were scheduled for a four-day visit to Zion, but were forced to postpone this on account of weather. This club would have consisted of 200 men engaging in a training course in boy scout leadership.

650 Signs

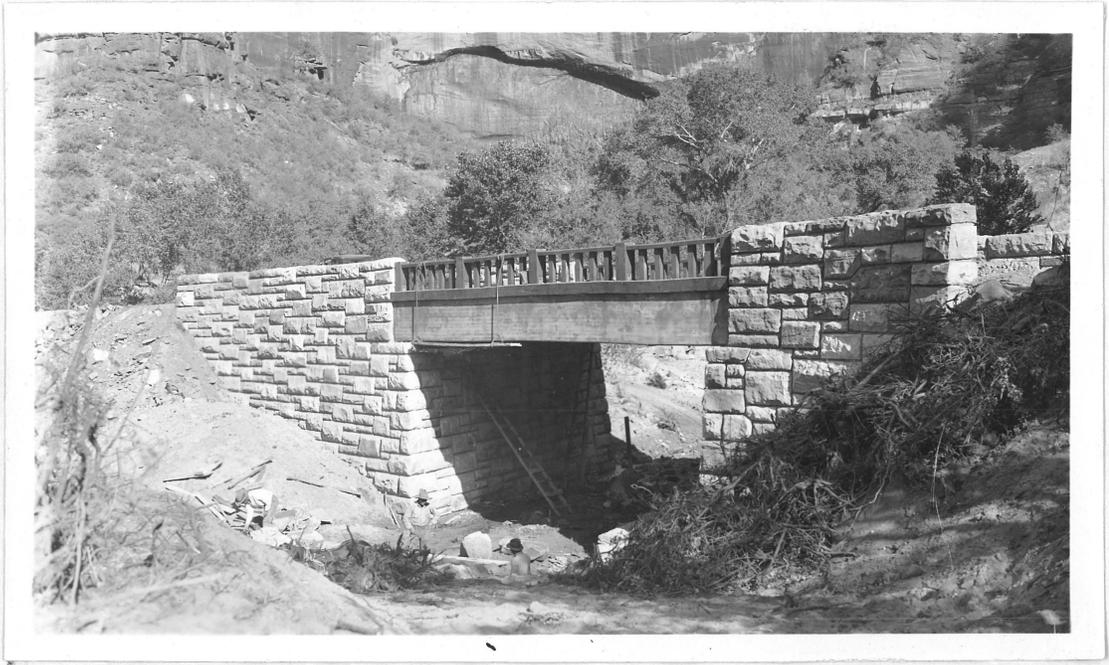
Eighty-four signs have been ordered for posting on the new roads and trails of Zion and Bryce Canyon National Parks.

Very truly yours,

Thos. J. Allen Jr.
Superintendent

View showing new location of the south entrance checking station. Telephone and power line poles will be removed during November.

New public comfort station completed at Zion Public Camp Ground.



New Cable Creek Bridge

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
ZION NATIONAL PARK, UTAH .

Travel report by states for the month of November 1931 and 1930.

	1931				1930			
	Cars	Pass.	Stage	Misc.	Cars	Pass.	Cars	Pass.
Arkansas	0	0	0	0	0	0	1	2
Arizona	60	151	0	0	60	151	108	289
California	470	1142	1	0	470	1143	728	1707
Colorado	31	9	0	0	31	79	42	116
Connecticut	4	10	4	0	4	14	0	1
District of Columbia	3	9	2	0	3	11	2	4
Delaware	0	0	2	0	0	2	0	0
Florida	0	0	0	0	0	0	0	0
Georgia	1	4	1	0	1	5	2	4
Idaho	25	60	0	3	25	63	27	70
Illinois	14	31	3	0	14	34	16	48
Indiana	2	3	0	0	2	3	1	1
Iowa	5	11	0	0	5	11	4	13
Kansas	7	23	0	0	7	23	10	29
Kentucky	0	0	0	0	0	0	1	2
Louisiana	1	3	0	0	1	3	0	0
Maine	1	2	0	0	1	2	2	5
Maryland	0	0	2	0	0	2	1	2
Massachusetts	2	5	1	0	2	6	1	12
Michigan	8	23	0	0	8	23	7	20
Minnesota	8	19	0	0	8	19	7	16
Missouri	3	6	0	0	3	6	11	25
Montana	13	31	4	0	13	35	21	46
Nebraska	4	8	0	0	4	8	4	12
Nevada	36	101	0	0	36	101	40	126
New Hampshire	0	0	1	0	0	1	0	0
New Jersey	3	10	1	0	3	11	5	22
New York	12	30	2	0	12	32	11	29
New Mexico	3	6	0	0	3	6	6	13
North Carolina	0	0	0	0	0	0	0	0
North Dakota	2	7	0	0	2	7	2	4
Ohio	8	19	3	0	8	22	34	119
Oklahoma	4	15	0	0	4	15	7	15
Oregon	15	44	0	0	15	44	12	23
Pennsylvania	6	15	1	1	6	17	6	22
Rhode Island	0	0	0	0	0	0	1	4
South Dakota	1	2	0	0	1	2	2	6
South Carolina	0	0	0	0	0	0	0	0
Tennessee	3	11	0	0	3	11	0	0
Texas	16	40	0	2	16	42	18	69
Vermont	0	0	0	0	0	0	1	2
Utah	557	1592	13	0	557	1608	413	1299

Report by states continued-

Virginia	:	1	5	6	0	1	11	2	6
Washington	:	19	57	0	0	19	57	14	39
West Virginia	:	1	4	0	0	1	4	0	0
Wisconsin	:	2	6	0	0	2	6	3	8
Wyoming	:	11	25	0	0	11	25	19	47
Alaska	:	0	0	0	0	0	0	1	2
Canada	:	1	2	0	0	1	2	5	7
Canal Zone	:	1	2	0	0	1	2	0	0
Denmark	:	0	0	0	0	0	0	0	1
Hawaii	:	1	4	1	1	1	6	1	2
Mexico	:	1	3	0	0	1	3	0	0
South America	:	0	0	0	0	0	0	1	2
<hr/>									
GRAND TOTAL TO DATE	:	1366	3625	48	7	1366	3678	1600	4291
FOR SEASON									
<hr/>									

Travel Report
Zion National Park, Utah
November 1931.

	This : Month : 1932	Travel : Year : To Date	This : Month : 1931	Travel : Year : 1931	This : Month : 1930	Travel : Year : 1930	Increase or Decrease No	Per ct
<u>PRIVATE TRANSPORTATION:</u>								
Cars first entry	400	1155	302	1291	126	537	136	10.5%Dec
Cars reentry	81	210	116	308			98	31.8%Dec
Motorcycles		1	1	1				
Total motor vehicles ...	481	1366	419	1600	126	537	234	14.8%Dec
Persons entering via motor vehicles	1232	3621	1103	4265	396	1590	644	15.09%Dec
Persons entering via other private transportation ...		2					2	200%Inc
Total persons entering via private transportation ...	1232	3623	1103	4265	396	1590	642	15.05%Dec
<u>OTHER TRANSPORTATION:</u>								
Persons entering via stages :		48	2	20			28	140%Inc
Persons entering otherwise :	1	7	5	6			1	16.6%Inc
Total other transportation :	1	55	7	26			29	111.1%Inc
GRAND TOTAL ALL VISITORS .	1233	3678	1110	4291	396	1590	613	14.28%Dec

All cars registered from South Entrance. East entrance checking station closed October 31.

13 cars 26 people used public auto camp during the month.

276 cars entered the park for pleasure and 205 cars on business.

WEATHER REPORT
FOR NOVEMBER 1931.

TEMPERATURE:

Mean maximum 54 plus
Mean minimum 35 minus
Mean 44 plus
Maximum 84 date 5th
Minimum 9 date 23d

PRECIPITATION:

Total 3.22 inches
Greatest in 24 hours85 date 9th

SNOW:

Total snowfall 4 inches; on ground 25th, none
at end of month, none.

NUMBER OF DAYS--

With .01 inch or more precipitation, 11;
clear, 9; partly cloudy, 8; cloudy, 13.

DATES OF

Thunderstorms 8th and 9th .
Sleet on 28th .

Harold Russell
Observer

10-159
(May, 1931)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

Zion-Bryce Canyon National Park for the Month of November, 1931

	This Month		This Month Last Year	
	Appointed	Non-Appointed	Appointed	Non-Appointed
Number of employees beginning of month	11	81	8	28
Number of additions		25		11
Total	11	104	8	39
Number of separations	2	86		24
Number of employees close of month	9	18	8	15
Number of promotions during month	0			
Aggregate amount of annual leave taken	14			
Aggregate amount of sick leave taken	0			
Aggregate amount of leave without pay	0			

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

Zion National Park for the Month of November, 1931

	This Year	Last Year
Park revenue on hand beginning of month,	743.00	177.00
Received,		252.00
Total,	743.00	429.00
Remitted,	743.00	429.00
On hand close of month,	00.00	00.00

Park revenues received this year to date,	\$ 9,196.00
Park revenues received last year to date,	9,728.00
Increase, Decrease	532.00
Per cent of increase,	5 $\frac{1}{2}$

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

	Number	Value
<u>GOVERNMENT PUBLICATIONS:</u>		
On hand beginning of month,	250	\$ 250.00
Received during month,		
Total,	250	250.00
Sold during month,	41	41.00
On hand at close of month,	209	209.00

NON-GOVERNMENT PUBLICATIONS:

On hand beginning of month,		
Received during month,		
Total,		
Sold during month,		
On hand at close of month,		

Cash on hand beginning of month,	00.00
Sales during month,	41.00
Total,	41.00
Remitted during month,	
Balance,	41.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

..... Zion National Park for the Month of November, 1931

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion
Employees quarters	00			June 30 1932
Comfort station	100	00	00	
Woodshed-garage	100	00	5	
Powder house	00			June 30 1932
Water system, West Rim	100	00	00	
Extension water system	100	50	00	
Extension sewer system	50	00	00	June 30 1932
Campground development	95	5	00	June 30 1932
Improving grounds, Adm. area	60	00	00	June 30 1932
Misc trail construction	95	10	75	Apr 30 1932
Post construction	85	5	00	June 30 1932
Road protection	90	15	75	June 30 1932
Roadside cleanup	35	25	10	June 30 1932

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

..... Zion National Park for the Month of November, 1931

Description of Projects	Percent Constructed To Date	Percent	Percent	Probable
		Constructed This Month	Constructed Last Month	Date Completion
407 Employees quarters	00	:		
408 Comfort station	100	:		
409 Woodshed-garage	100	:		
410 Powder house	00	:	AVERAGE NUMBER	
484 Water system, West Rim	100	:	OF MEN EMPLOYED	<u>00</u>
485 Extension water system	100	:		
486 Extension sewer system	50	:		
487 Campground development	95	:		
488 Improving grounds, Adm area	60	:		
502.1 Misc trail construction	95	:		
504.4 Post construction	85	:	AVERAGE NUMBER	
504.5 Road protection	90	:	OF MEN EMPLOYED	<u>31.4</u>
504.6 Roadside cleanup	35	:		

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

Bryce Canyon National Park for the Month of November, 1931

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion
Dormitory	95	00	5	June 30 1932
Messhouse	95	00	5	June 30 1932
Employees quarters	95	70	25	June 30 1932
Campground development	75	00	00	June 30 1932
Trails	95	25	50	June 30 1932

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF AUTHORIZED PROJECTS

.....Bryce Canyon..... National Park for the Month of ..November, 1931.....

Description of Projects	Percent Constructed To Date	Percent Constructed This Month	Percent Constructed Last Month	Probable Date Completion
410 Dormitory	95			
411 Messhouse	95			
412 Employees quarters	95			
484 Campground development	75			
				AVERAGE NUMBER OF MEN EMPLOYED <u>00</u>
301 Trails	95			
				AVERAGE NUMBER OF MEN EMPLOYED <u>9</u>