

U. S. Department of Agriculture.

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FIELD DIARY

OF

Mr. E. A. Goldman

Jan. 22 - Feb 8, 1927

(Official title.)

Utah-

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*D. F. Houston*  
Secretary of Agriculture.

8-2587

(Sat.)  
Jan. 22, 1927  
Felt Washington, D.C. for  
Salt Lake City, Utah, 10.20 P.M.

Jan. 23-24.  
En route to Salt Lake City, Utah.

Jan. 25.  
Arrived Salt Lake City, Utah,  
2.35 P.M.. Was met at Newhouse  
Hotel by Mr. D. H. Madson, State Game  
Warden, Mr. L. M. Windsor, Bureau of  
Public Roads Engr. and Mr. Pitzer,  
Chief Deputy Warden, and arrangements  
were made for starting work  
tomorrow. Went to Hotel Utah later  
where I found a number of Forest  
Service officers and others whom I  
knew who had been attending a  
Stockman's meeting. An invitation I  
attended Stockman's banquet in  
evening.

Agden, Jan. 26  
Lucin cut off - width of  
gap 580 feet.

W.H. Lundy, Chief Engineer  
Agden.

Still having trouble on Lucin  
cut off. Material is added  
from time to time. Long Pipe  
about 110 ft. long used.

Mr. Lundy says sanding at  
breaks on Lucin cut off has  
shown depths of 20 - 26 ft.

Wind direction mainly from the  
North.

A.W. Grix, Asst. Engr.

S.D. S.P. R.R. Agden.

Left Salt Lake City about

7:30 A.M. with L.M. Winslow.  
By auto driven by game warden Perry.

~~U.S. Fish Comm.~~

Bureau of Fisheries

See Map. of Holdings and Report  
later pub. about 1912.

V. F. Davis, Supt. Bear River Club  
Brigham R. A. P. Z.

Reached Ogden about 1 P.M.  
Spent part of afternoon with  
So. Pac. engineers who furnished  
much valuable information.  
Later saw Mr. Fitch of the  
Bureau of Public Roads, and saw  
Mr. S. B. Locke of the Forest  
Service. In evening Locke look-  
ed to visit Mr. Bigelow,  
Sec. Treas. of the Bear River  
Club and Mr. Day the President  
of the same club. All furnished  
considerable information.

Jan. 27 (Thurs),  
Left Ogden about 9 AM.  
and met Mr. J. S. Hull near  
Hot Springs and we proceeded  
to explore the Lake off the  
long point projecting out  
below Willard. We went out  
to what appeared to be the  
deepest water about  $\frac{1}{2}$  way  
across to the point along  
Bear River. We found depths  
of water of about 3 feet and  
soft ooze the bottom of which  
was not reached by pushing  
an ordinary shovel down.  
We decided that to build a  
dike so far south would  
be impracticable. We then  
upland and work soundings  
along the east side further

Jan. 27 con.  
north end found the deep  
water extends at least a  
mile farther north. Shallow  
water was found in Marsh  
Lake, a portion of the Lake  
nearly separated by a bar  
extending in a general way  
along a power line, details  
observations were made near  
Willard where there are  
large quantities of gravel  
available.

Mr. Hull says:

Common teal most abundant  
breeds. Leave between Sept. 1<sup>st</sup>  
and Oct 1<sup>st</sup> - very few left after  
latter date. One killed ~~also~~  
Dec. 27, very unusual, last year.  
Mallards remain in some

numbers throughout the year.

Redheads formerly nested abundantly, but reduced about 50% due to losing holes through sack water that killed holes.

Pintails appear to be increasing on nesting grounds. Some stay all winter and remain in large numbers until December. One of the earliest to ~~return~~ return in numbers in spring.

Blue bills now nesting here. Two years ago he saw first nests. Usually leave with hard freezing in January.

Goldeneye comes in in Dec. in fair numbers and stay until hard freezes.

Godwall. now nesting here. and numbers come in Nov.

First noticed 3 years ago when  
picking up sick ducks.

Pintail. about 90% of ducks  
that are poisoned are pintails.

Curlwings. Nest on high ground,  
such as public shooting ground  
are increasing in numbers.

Avocet. Nest in abundance.

Glossy Ibis. Scarce 20 years  
ago, but thousands now nest  
in tall flags or tules.

Shore birds nest in great in  
great abundance and are  
increasing.

Cavallaguse. Nest in  
abundance. Some remain all  
winter.

White geese. Come about  
18 to 25 of Oct. early and all  
leave first hard freeze.



M. Hull says: con.

Leakling geese. Leave about same time as white geese and leave with bad freezing weather.

Great Salt Lake. Does not freeze any winter at north end as this year.

Mustering geese. He estimates 200 square miles. Grazing cattle destroy many eggs.

Poison. He estimates not over 1500 lost this year, owing to measures taken to scare them out by shooting and luring them to fresh water. Also reduced number of sick ducks owing to lack of feed in places where they usually get poisoned.

Shrimp fed on by ducks favors brackish water. Fed on largely

by dubs.

Wetland grounds, Great swamp  
areas make wetland grounds north  
of side of Bear River adjoining  
Bay.

Jan. 28, <sup>(Fri)</sup> Brigham City, Utah

Data from maps:

Highest level of lake	4215.9	in 1868
Lowest " " "	4199.15	Dec. 15, 1905
Present " " "	4205.6	Dec. 15, 1926
Meander line " "	4204.4	of 1856

Fluctuation between 1905 and 1926  
from 4199.15 to 4208.3 the  
highest point being in May 1924  
Maximum variation 9.2

Made a trip with Winston,  
Terry, Hull and his son Ray and  
to Provo Club in Bear River

Jan. 28

Agelaius vocifer. One seen searching for food along the edge of partly open water bounded by half frozen mud banks along ~~a~~ an overflow from Bear River.

delta by auto, a distance of about 23 miles, and then on foot over the ice and through the frozen marsh to the mouth of Bear River. Off the mouth of the River we made soundings and found water perhaps 2 ft. in depth. Then we made an examination of the dike built by the Bear River chert. This structure was built of mud with inch boards driven down and fastened to form a retaining wall on the upper side, and for a part of the distance on the lower side also.

Weather. When we were nearly back to the cars a blizzard weather broke suddenly. The wind blew and it snowed.

Jan. 28 con.

For more than an hour steadily, but slacked up later in the evening.

Mallard ducks, a few seen in open water along Bear River today, but very few ducks of any kind seen.

Musk Rats, a number of holes were seen in the levee of the Bear River Abut., and it is evident that they weaken the fill in places and cause breaks. A new small break that we found was probably caused by them.

Microtus, Meadow mice fairly swarmed in the Bear River delta. Runways and holes are everywhere and owing to the height of the water

Jan. 28 am,  
caused by the backing up  
over the delta of River ~~water~~  
due apparently to the freezing  
of the lake many of the  
mice are forced to seek  
higher ground. A number of the  
mice were seen and in one  
place where we turned over  
a boat we found a blackish  
shrew, that ran into a microtus  
runway where I caught it in  
my hands.

Jan. 29 (Sat.). Brigham City,  
Utah.

Trip with Windom, Terry and J.S.  
Hull to Pelican Point and out on  
the ice in the direction of the Bear  
River delta, a distance of probably  
at least 4 miles. For about 2 miles we

Jan. 29 con.

walked ~~most of the way~~ through  
mud of shallow depth at first, but  
deepening we sank in it to our  
ankles, ~~then came~~ and then came,  
an inch or two of water over the  
mud, succeeded by a belt of rotten  
ice over water about 2 inches deep,  
then came about 2 miles of  
ice that would support our  
weight, but varied in thickness.  
At one place we came to an open  
lead about 15 ft. across with  
water about 15 inches deep. This we  
crossed wearing rubber boots and  
continued on over the ice for  
at least another mile when we  
came to a broad space, partly  
open water and partly thin ice  
which in places would probably  
support a man. Perhaps 600 <sup>yards</sup> across

Jan. 29 con.

this was a line of ice hummocks ~~which~~  
beyond which few hummocks were  
visible. When we reached the second  
open water the air was thickening  
rapidly and we decided that it  
would be prudent to return. In a  
few minutes it began to snow and  
for a while the mountains and  
landmarks in every direction were  
obliterated except that shoreward  
we could dimly see our cars  
and two small neighboring ~~clad~~  
houses. On reaching the cars we  
began our return and the  
weather again cleared somewhat  
as we reached Brigham City about  
5 P.M. at 6:15 Hinkson and I took  
the stage to Tozan. Perry returned  
to Salt Lake City. Arrived Tozan  
about 8 P.M.

Jan. 30 (Sun) Logan, Utah,  
Made a trip with Mr. Smith,  
vice-president of the Cache  
Valley Game and Fish Assoc.,  
to the site of a proposed  
bird refuge in Cache Valley.

The Utah Light & Power Co. is  
financing the construction of  
a dam on Bear River at the  
lower end of the valley which  
is expected to impound water  
when full backing up into  
the valley where it is broad  
and likely to attract many  
ducks. A portion of the basin  
embracing a section about  
 $1\frac{1}{2}$  miles wide and 2 or 3  
miles it is suggested should  
be set off as a refuge. This  
seems an excellent plan pro-



Jan. 30 con.  
vided there is sufficient  
water for this purpose.  
There seems some question of  
this however, as the water  
would be at its height  
probably for a short time  
about the 1<sup>st</sup> of June. A  
visit was made to the dam  
and electric power plant  
which is said to have cost  
about \$5,000,000.

Jan. 31 (Mon.) Proshant City  
Returned early in morning  
from Logan to Proshant City.  
Left Logan 7 a.m. arrived Proshant 8:30 a.m.  
Mr. J.S. Bell says  
In public shooting grounds  
17000 A. In spring day Oct.  
9, 798 men registered to hunt,  
killed about 3500 and used  
an estimated 55000 shells,  
Open twice a week. Amused  
between 50 and 100 hunters,  
~~number~~ number varied all  
the way from 25 to 300.

Made a trip into country to  
near north edge of Willard Bay  
a few miles east of the mouth  
of Bear River, but we got stuck  
in the rotten ice where water  
had spread over saline soil

Jan. 31 con.  
and were obliged to return  
to town and we then went out  
to the Public Shooting Grounds.  
There we found diked areas,  
the dikes extending to ridges  
or islands of high ground  
commanding excellent views  
over what were bare tracts, now  
partly flooded and in which  
duck food, especially the so-  
called potato <sup>moss</sup> ~~weed~~ is gaining  
a foothold.

Feb. 1 (Tue) Brigham City, Utah.  
Made trip to Bear River blind and  
then down over Klondike point part  
by wagon and then out to middle  
of lake on foot. Wagon got nearly  
stuck in mud at considerable distances  
from edge of water and we were obliged  
to wade through mud which deepened  
as we neared ice, for about 4 miles,  
then came about 2 miles of ice ~~at~~  
In the middle we found open stretch  
of water about 200 yds. wide, <sup>and about 18 in. deep</sup> and  
ice piled about 25 ft. but in water  
only about a foot deep. Bottoms  
soft and we conclude this route  
must be given up.

Feb. 2 (Wed) Brigham City to  
Salt Lake City, Utah.  
Made trip with Windsor Hull, Roy  
Hull, Mr. Evans, & Pres. of State Game  
Association to <sup>Provo, Alton and</sup> country in delta of  
Bear River and over on foot over  
ice to meet where we were able  
to get an idea of extent of territory  
that would be flooded by extending  
dike in that direction. Left with  
Madsen in evening and returned to  
Salt Lake City. Madsen on W.  
Bear River. 1st claim 9000 ft  
12000 a.  
Dixville - 160 a c.  
be laps quit tan is.  
Provo Club - 40 a  
Cedar Valley - 1000 ft  
none.

(Thurs)  
Feb. 3. Salt Lake City,

Morning devoted mainly to conferences with Ray R. Woodley who furnished data needed. He is familiar with R.R. cut off, and worked on it, but is now with Geol. Surv. I believe.

Also conferred with Holman and in afternoon with D.H. Madson.

and had interview with Governor Dern who was friendly and expressed hope that project would go through.

7/18/42 (Fri) Salt Lake City Utah.  
During June Windsor:  
Ruin discharge in recent years ~~1965-80~~ 1 acre ft.  
Ruin flow ranging from  
750,000 to 2,600,000 with  
av. about 1,750,000 acre ft.

1 sec. ft. equal 1 acre inch  
per hour.

About av. hour with Windsor in  
morning discussed final plans. Then  
conferred with Madson and in  
afternoon with Holman and Finch,  
Pres. of Duckville Club. Finch offered  
to be of any possible assistance.

Left Salt Lake for Cheyenne  
9 P.M.

Feb. 5, Cheyenne Wyo.  
Arrived Cheyenne 12:40 P.M.  
Conferred with State Game  
Warden Bruce Nowlin with  
Gov. Emerson and with Chas.  
J. Buyer.

Feb. 6 Cheyenne en  
route Wash. Dc.

Left Cheyenne 11:15 AM

Feb. 7. En route  
Wash. Dc. Arrived Chei. 4 P.M.;  
Left Chei. 5:30 P.M.

Feb. 8.  
Arrived Wash., Dc. about  
5:30 AM (train due 4:30).