

DEPARTMENT OF WATER ADMINISTRATION
FIELD REPORT

1. Name of permit holder Ellsworth Land & Cattle Co.
Post office address Lemhi, Idaho
Person to contact

2. Source of water supply: Groundwater Surface water Yearian Creek
Tributary to Lemhi River

3. Water will be used for the following purposes:

Amount 934.75 c.f.s. for irrigation
AF/Annum (nature of use)

Period of Use: from Apr. 1 to Nov. 1
(mo.-day) inclusive (mo.-day)

Amount c.f.s. for
AF/Annum (nature of use)

Period of Use: from to
(mo.-day) inclusive (mo.-day)

Amount c.f.s. for
AF/Annum (nature of use)

Period of Use: from to
(mo.-day) inclusive (mo.-day)

Other uses:

4. Total amount to be appropriated:

Max Rate of Diversion cubic feet per second and annual volume 934.75 AF/Annum.

5. Location of Point(s) of Diversion:

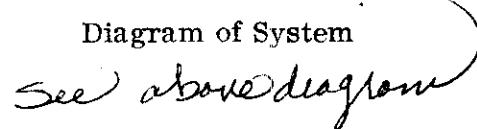
Township 18N N/S, Range 25E E/W, B.M., Section 18, Subdivision NE 1/4 SW 1/4 Lemhi County
Township 18N N/S, Range 25E E/W, B.M., Section 24, Subdivision NE 1/4 SE 1/4 Lemhi County
Township 18N N/S, Range 25E E/W, B.M., Section 25, Subdivision NE 1/4 SE 1/4 Lemhi County
Other Points of Diversions: SE 1/4 SE 1/4, NE 1/4 SE 1/4, Sec. 35, Twp. 18N, Rge. 24E, B.M.

Description of diverting works: Initially diverted at Upper Ellsworth Dam, then conveyed down Yearian Cr. to a diversion dam & weir located in Sec. 36, then about 2 miles in dirt ditch & then by buried steel pipe, 3,000' to area of application.

Measuring device required: yes no

6. Lands to be irrigated or place of use.

Table with 19 columns: TWP., RANGE, SEC., NE 1/4 (4 sub-columns), NW 1/4 (4 sub-columns), SW 1/4 (4 sub-columns), SE 1/4 (4 sub-columns), TOTALS. Rows include land parcels 17N 24E 2, 3, 4, 18N 24E 33, 34, 35 with various acreage values.



### Diagram of System

ROUGH DRAFT

State of Idaho  
Department of Water Resources

ROUGH DRAFT

WATER RIGHT LICENSE

License of Water Right No. 74-7002B Priority \_\_\_\_\_ Amount 503.75 AF

THIS IS TO CERTIFY, that Elysworth Land & Cattle Co.  
of Lemhi, Idaho, has complied with the terms and conditions of Permit  
No. 74-7002 issued pursuant to Application for Permit dated \_\_\_\_\_,  
and has submitted proof to the Department of Water Resources on \_\_\_\_\_,  
that he has applied water to a beneficial use; an examination by the Department indicates that the works have a  
capacity for the diversion of n/a of water from Charley Creek  
tributary to Lemhi River (Storage), and that the permit holder has applied to a beneficial use and  
established a right to use water as follows:

| Beneficial Use                | Period of Use                        | Rate of Diversion | Annual Volume       |
|-------------------------------|--------------------------------------|-------------------|---------------------|
| <u>Storage for Irrigation</u> | from <u>Nov. 1</u> to <u>April 1</u> | at _____ cfs and  | <u>503.75 AF/yr</u> |
| <u>Irrigation</u>             | from <u>April 1</u> to <u>Nov. 1</u> | at _____ cfs and  | <u>503.75 AF/yr</u> |
|                               | from _____ to _____                  | at _____ cfs and  |                     |

(both dates inclusive)

Subject, however, to the condition that no more than \_\_\_\_\_ of water be diverted at any one time, and  
that the amount of water so diverted and to which such right is entitled and confirmed is for the purpose  
aforementioned and is limited to the amount which can actually be beneficially used and shall not exceed

503.75 acre feet per year, said waters to be diverted within the NESW 34 18 Twp 18N  
Rge 25E, (SWSE sec 35 Twp 18N Rge 25E) in the County of Lemhi

Description and location of place of use:

| Twp. | Range | Sec. | NE 1/4 |        |        |        | NW 1/4 |        |        |        | SW 1/4 |        |        |        | SE 1/4 |        |        |        | Totals |
|------|-------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|      |       |      | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 |        |
| 17N  | 24E   | 4    | 7      | 10     | 14     | 6      | 17     |        |        | 21     |        |        |        |        |        |        |        |        | 85     |
| 18N  | 24E   | 33   |        |        |        |        |        |        | 5      | 25     | 40     | 15     | 12     | 30     |        | 35     | 35     |        | 203    |
|      |       | 34   |        |        |        |        |        |        |        |        |        | 30     | 20     |        |        |        | 10     | 20     | 80     |
|      |       | 35   |        |        |        |        |        |        |        |        |        |        | 25     |        |        |        |        |        | 25     |
|      |       |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |       |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

Total number of acres irrigated 349

Assumes completion of amendment for  
point of diversion

NOTE: Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho Law. This right may be forfeited by five years of non-use.

The right to the use of the water hereby confirmed is restricted and appurtenant to the lands or place of use herein described, as provided by the laws of Idaho.

Witness the seal and signature of the Director, affixed at Boise, Idaho, this \_\_\_\_\_ day of

\_\_\_\_\_, 19 \_\_\_\_\_.

ROUGH DRAFT

DATE OF EXAM 6/13/78

ACREAGE  
Found 399 ac  
Recommended 399 ac

5 A1/ac - statutory max

Irrigation Requirement \_\_\_\_\_ Ac Ft/Ac

USE  
Irrigation Q= \_\_\_\_\_ c.f.s. V= \_\_\_\_\_ AF/Ann. from \_\_\_\_\_ to \_\_\_\_\_  
Domestic Q= \_\_\_\_\_ c.f.s. V= \_\_\_\_\_ AF/Ann. from \_\_\_\_\_ to \_\_\_\_\_  
Livestock Q= \_\_\_\_\_ c.f.s. V= \_\_\_\_\_ AF/Ann. from \_\_\_\_\_ to \_\_\_\_\_  
Storage for Irrigation 503.75 AF from Nov 1 to April 1  
Irrigation from storage 503.75 AF from April 1 to Nov 1

Is water co-mingled? yes \_\_\_\_\_ no X

Name source: n/a  
twp. \_\_\_\_\_ N/S, Rge \_\_\_\_\_ E/W, B.M., Sec. \_\_\_\_\_, Sub. \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ County \_\_\_\_\_

Exchange? yes \_\_\_\_\_ no X

Name source exchanged with: n/a  
twp. \_\_\_\_\_ N/S, Rge \_\_\_\_\_ E/W, B.M., Sec. \_\_\_\_\_, Sub. \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ County \_\_\_\_\_

Point of injection: n/a  
twp. \_\_\_\_\_ N/S, Rge \_\_\_\_\_ E/W, B.M., Sec. \_\_\_\_\_, Sub. \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ County \_\_\_\_\_

Point of exchange: n/a  
twp. \_\_\_\_\_ N/S, Rge \_\_\_\_\_ E/W, B.M., Sec. \_\_\_\_\_, Sub. \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ County \_\_\_\_\_

Total Q measured n/a Method of measurement none

Total Q recommended n/a Meter No. n/a Type n/a Condition n/a

Total V recommended 503.75 AF \*\*\*

Recommended Amendments:

P.D. Add SWSE Sec 35 Twp 18N Rge 24E B.M. (Lower Reservoir)  
Place of Use \_\_\_\_\_  
Other \_\_\_\_\_  
None \_\_\_\_\_

MEASUREMENT CALCULATION:

Upper Reservoir - 369 AF active storage capacity Information obtained from Dam safety program & SES capacity curve (enclosed)  
Lower Reservoir - 200 AF active storage capacity  
\*\*\* Note: 65.25 AF/AF from the upper reservoir has been assigned to Phyllis Ellsworth #74-7002A & this amt is deducted from the total active storage capacity of 569 AF

SYSTEM DESCRIPTION:  
Levee (weir) water is stored in 2 - on stream reservoirs. The upper reservoir (369 AF) dam & spillway are located in the NE SW Sec 18 Twp 18N Rge 25E. The lower reservoir (200 AF) dam & spillway are located in the SWSE Sec 35 Twp 18N Rge 24E. The upper reservoir contributes water to a gravity flow sprinkler system which irrigates 111 acres in sections 34 & 35 18N 24E under this permit. The remaining acreage (288 ac) is flooded irrigated by water stored in the lower reservoir. System shown & described by George Ellsworth's son. See reverse side. See also 74-7002A - Phyllis Ellsworth

REMARKS: acreage (288 ac) is flooded irrigated by water stored in the lower reservoir. System shown & described by George Ellsworth's son. See reverse side. See also 74-7002A - Phyllis Ellsworth

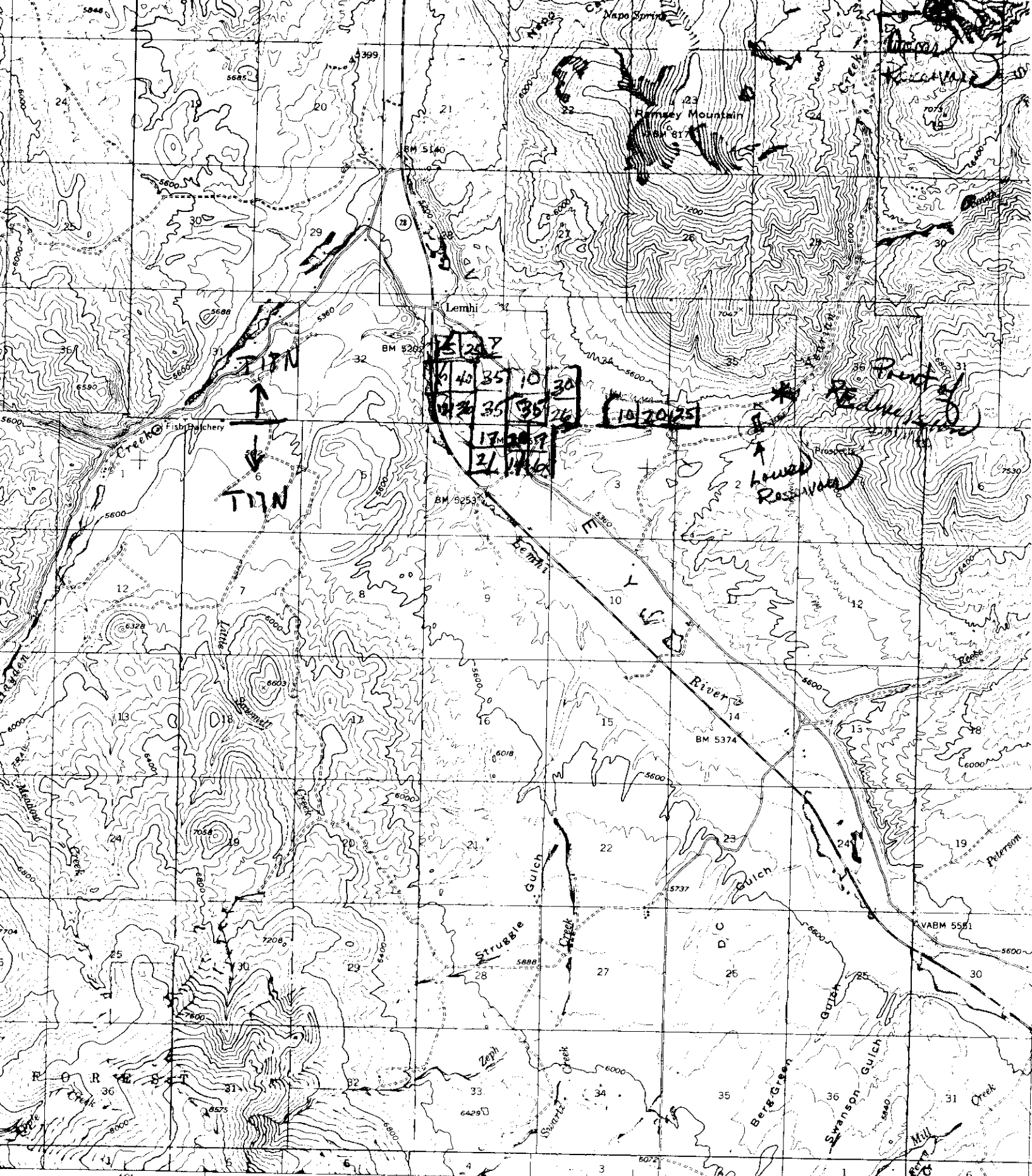
Examiner's Signature Anthony R. Kozharski Date 4-4-1979  
Checked by Rodney A. Parker Date 4/5/79  
Approved by \_\_\_\_\_ Date \_\_\_\_\_

Upper Reservoir - crest width  $\approx 12'$ , (earth fill)  
crest length  $\approx 350'$   
Deepest point  $\approx 22'$   
active capacity  $\approx 369$  AF

Spillway in very poor condition - severe erosion  
of the face of the dam is taking place

Outlet - 16" diam culvert equipped with gate  
valve.

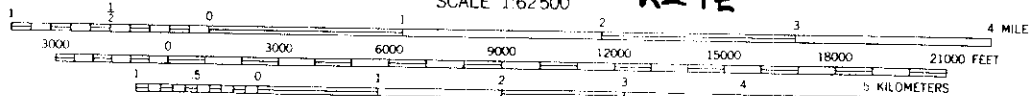
Lower Reservoir - Earth fill  
crest length  $\approx 8'$  to  $10'$   
crest length  $\approx 525'$   
Deepest point  $\approx 18'$   
active capacity  $\approx 200$  AF



SCALE 1:62500

R24E

INTERIOR GEOLOGICAL SURVEY, WASHINGTON  
MR 1071



CONTOUR INTERVAL 80 FEET  
DOTTED LINES REPRESENT 40-FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION  
Medium-duty ——— Light-duty ———  
Unimproved dirt ———  
State Route —○—



| CONTOUR | CONTOUR INTERVAL | AVG. CONTOUR INT. | PLANIMETER READING IN. <sup>2</sup> | AVG. AREA IN. <sup>2</sup> | AVG. AREA AC. | AREA ft. <sup>2</sup> | AREA (AREA ft. <sup>2</sup> X 3600) ft. <sup>3</sup> | STORAGE Avg. Accum. |
|---------|------------------|-------------------|-------------------------------------|----------------------------|---------------|-----------------------|------------------------------------------------------|---------------------|
| 55      | 0                | 2.5               | 1.08                                | .50                        | 0.04          | 1,800                 | 4,500                                                | 0.2 0.2             |
| 60      | 5                | 5                 | 40.52                               | 20.76                      | 1.71          | 78,888                | 394,440                                              | 8.6 8.8             |
| 65      | 5                | 5                 | 174.0                               | 107.26                     | 8.9           | 386,136               | 1,930,680                                            | 44.5 53.3           |
| 70      | 5                | 5                 | 212.8                               | 193.40                     | 16.0          | 715,580               | 3,577,900                                            | 80.0 133.3          |
| 75      | 5                | 5                 | 280.4                               | 246.60                     | 20.4          | 887,760               | 4,438,800                                            | 104.0 231.3         |
| 80      | 5                | 5                 | 352.6                               | 316.5                      | 26.2          | 1,139,400             | 5,697,000                                            | 151.0 368.3         |
|         |                  | 27.5              |                                     |                            |               |                       |                                                      |                     |

16,043,320 cu ft.

8.47 gals/acre

~~135,886,920 gals~~ TOTAL

Data for  
upper  
reservoir

1500' CONTOUR

$$1 \text{ sq ft} = 3600 \text{ sq ft} = 0.0827$$

APPROX. STORAGE = 369 AC.FE.

Upper end of breeding Corral  
80' drop to road - 30' drop to  
past 4 posts from fence

Correction 30' wide 5 ft. } 45,000.00  
5 ft. } 45,000.00

SCANNED  
DEC 09 2005