

November 20, 1998

RECEIVED

DEC 10 1998

Department of Water Resources

NOTICE OF ERROR
REPLY

Please type or print clearly, fill out this form completely and mail.

Return this reply form to IDWR by the deadline date printed below if you want IDWR to change your recommendation or you want to let IDWR know that you agree with its recommendation.

YOUR DEADLINE FOR RETURNING A NOTICE OF ERROR REPLY IS: December 18, 1998

Water right number: 35-00053

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83720

Daytime Telephone Number:

Evening Telephone Number:

1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source):

2. Describe the changes you wish to make in the proposed recommendation:

3. Give a brief explanation as to why you disagree with these portions:

☒ I AGREE with this proposed recommendation; no changes need to be made.

DATE: 12/07/98 SIGNATURE: 
Please print your name: William Doerr,
Manager
American Falls Fish Hatchery
Department of Fish & Game

IDWR Eastern Regional Office, 900 N. Skyline Drive, Suite A, Idaho Falls, ID 83402-1718, (208) 525-7161

NOV. 30 1998

CF

M E M O R A N D U M

DATE: November 30, 1993

TO: File A35-00053

FROM: Shelley W. Keen and Erik Norquest

RE: Injury Analysis of Irrigation Expansion

According to the instructions on page 108 of the Claim Investigation Handbook, a first presumption expansion must meet the following two requirements to avoid injury.

1. There can be no increase in diversion rate or diversion volume.

In this case, the right is a surface water right which contains no diversion volume limitation. Therefore, only a possible increase in diversion rate must be considered.

Transfer #1051 indicated that three inches, or 0.06 cfs, per acre would be used for the irrigation of five acres. Thus, the approved total diversion rate for irrigation was 15 inches or 0.30 cfs. The current irrigation use was measured at 0.12 cfs total on 6.5 acres. Although there has been an increase the number of irrigated acres, there has actually been a decrease, not an increase, in the diversion rate for irrigation.

2. There can be no change in the location of return flows that affects a junior appropriator.

In the past, return flows from irrigation probably entered the Snake River at SESE, S36, T7S, R30E. Because irrigation is now accomplished with sprinklers at a much lower diversion rate, return flows are likely to be negligible. However, the water that may have been return flow in the past now circulates through the fish hatchery operation and enters the Snake River at the same location as it would have prior to the conversion to sprinkler irrigation.

*Transfer stated approximately 5 acres.
This right will not be identified as an
enlargement under 42-1426.*

CA 7-15-98



IDAHO FISH & GAME

600 South Walnut / Box 25
Boise, Idaho 83707-0025

Cecil D. Andrus / Governor
Jerry M. Conley / Director

November 17, 1993

RECEIVED

NOV 18 1993

Department of Water Resources

Shelley Walter Keen
Senior Water Resource Agent
Idaho Department of Water Resources
1301 North Orchard Street
STATEHOUSE MAIL
Boise, ID 83720

RE: Adjudication claim no. A35-00053

Dear Shelley:

I have enclosed the above-referenced amended adjudication claim for uses at the American Falls Hatchery. I also have included a check for \$7.00, #104997, for the additional claim fee. Please return a receipt for payment for our accounting purposes. Thank you for your assistance in this matter.

done 11-18-93

Sincerely,

Cindy Robertson

Cindy Robertson
Staff Fishery Biologist

CR:alb

cc: Gary Baker, American Falls Hatchery

Enclosure

MICROFILMED

APR 15 1994



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

November 8, 1993

Idaho Department of Fish and Game
C/O Cindy Robertson
P.O. Box 25
Boise, ID 83720

RECEIVED
FEB 7 1994

RE: Snake River Basin Adjudication (SRBA)
Power County - ~~A35-00053~~ and A35-02916

Department of Water Resources
Eastern District Office

Dear Ms. Robertson:

Our field investigation of the SRBA water right claims listed above indicates that a water use for 6.5 acres of lawn irrigation exists at the American Falls Fish Hatchery. This use has not, however, been claimed in the SRBA. Without a claim for the irrigation use, IDWR cannot recommend it to the SRBA court for decree.

Our investigation also shows that transfer #1051 of right 35-00053 in 1965 approved five acres of irrigation at the hatchery site. Because 35-00053 is a previously decreed right, IDWR can probably recommend the 6.5 acres of irrigation as part of this right under the provisions of Idaho Code §42-1416(1).

I have prepared and enclosed a draft amended notice of claim to include the 6.5 acres of irrigation on A35-00053. If you wish to amend your claim, please change any incorrect information, sign the claim, have it notarized, and return it to this office by **November 23, 1993**. In addition, please enclose the \$7.00 additional claim fee required for the irrigated acres.

If you have any questions, please contact me at (208)327-7934 or Erik Norquest at (208)327-7935.

Sincerely,

Shelley Walter Keen
Senior Water Resource Agent

SWK:state:tf

Enclosures:

Amended Notice of Claim A35-00053

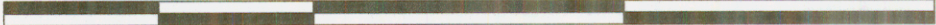
MICROFILMED

APR 15 1994

35-000053



500 0 500 1000 Feet

A horizontal scale bar with four segments. The first segment is labeled "500", the second "0", the third "500", and the fourth "1000 Feet".

T07S R31E S31

Map prepared by: Carter Fritschle
Date prepared: 07/15/98
1987-1988 NAPP photography



A35-00053
A35-02916

3/91

PLANIMETER/ACRES

CLAIM NUMBER: A35-02916

ADJ/WR AGENT: E. Narguet
SIGNATURE

DATE: 11-3-93

T	R	S	N E				N W				S W				S E			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
7S	31E	31									✓							

SECTION ACRES 1.9

T	R	S	N E				N W				S W				S E			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
7S	31E	31									✓							

SECTION ACRES 2.9

T	R	S	N E				N W				S W				S E			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
7S	31E	31										✓						

SECTION ACRES 0.7

T	R	S	N E				N W				S W				S E			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE

SECTION ACRES _____

T	R	S	N E				N W				S W				S E			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE

SECTION ACRES _____

PLANIMETER ACRES TOTAL: 6.5

See GIS map for
corrected acreage

CLAIM NO. A35-0053
A35-02916

DATE OF PHOTO: 10-1-93

TAKEN BY: CARTER Fritchle



* Photo Shows The SPRINGS AREA FROM THE ROADWAY
TO THE NORTHWEST - AMERICAN FALLS FISH HATCHERY



* Photo Shows the SPRINGS AREA FROM THE ROADWAY
TO THE NORTHWEST.

CLAIM NO. A35-00053

§ A35-02916

DATE OF PHOTO: 9-29-93

TAKEN BY: BOL FOSTER



* Shows intake and pump house for irrigation on the west end of the site. Photo faces west



* Irrigated area east of the raceways - faces southwest

CLAIM NO. A35-00053
A35-02916

DATE OF PHOTO. 9-29-93
TAKEN BY: Bob FOSTER



- * - Shows The RACEWAYS FROM THE EAST (FACING WEST)
The pump in the foreground is one of the IRRIGATION PUMPS



*

Photo shows RACEWAY AREA. FACES WEST.

CLAIM NO. A35-00053

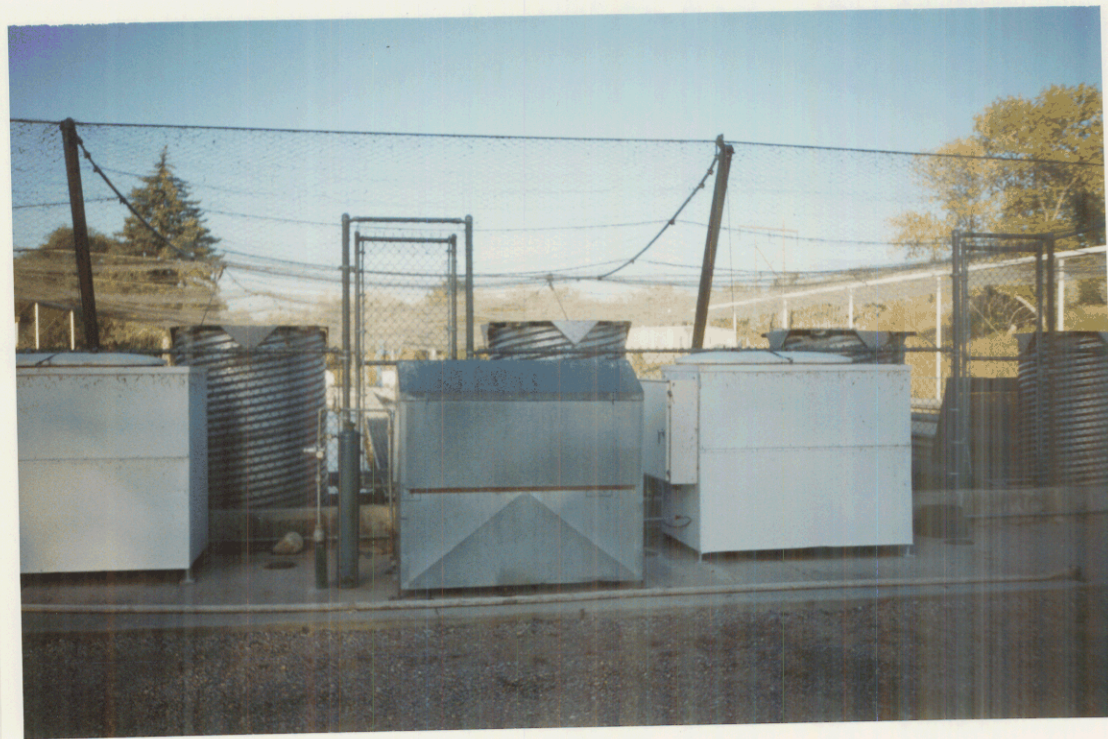
§ A35-02916

DATE OF PHOTO: 9-29-83

TAKEN BY: Bob Foster



* Shows The Raceway Area - Faces West



* Shows The Raceway Area. Faces West.

CLAIM NO. A35-00053
§ A35-02916

DATE OF PHOTO. 9-29-93
TAKEN BY: Bob Foster



* Shows The RACEWAYS - FACES WEST



* Shows The RACEWAYS - FACES WEST

CLAIM NO. A 35 - 00053

§ A35-02916

DATE OF PHOTO. 9-29-93

TAKEN BY: BOL FOSTER



*

SHOWS RACEWAYS - FACES SOUTHWEST



*

SHOWS RACEWAYS - FACES SOUTHWEST

CLAIM NO. A35-00053

§ A35-02916

DATE OF PHOTO: 9-29-93

TAKEN BY: BOL FOSTER



* CONCRETE BOX IN THE CENTER IS WHERE WATER IS DIVERTED WEST TO THE RACEWAYS, OR SOUTH TO THE RIVER. CYLINDRICAL TANK ON THE LEFT IS FOR CHILLING WATER FOR TRANSPORTING FISH. PHOTO FACES NORTH.



* PHOTO SHOWS DIVERSION AREA, - FACING NORTH

CLAIM NO. A35-00053

§ A35-02916

DATE OF PHOTO: 9-29-93

TAKEN BY: BOL FOSTER



* PHOTO SHOWS DIVERSION AREA



* PHOTO SHOWS DIVERSION AREA

CLAIM NO. A35-00053

§ A35-02916

DATE OF PHOTO: 9-29-93

TAKEN BY: BOL FOSTER



*

Photo shows Diversion Area A, a former pond, white pipes are air pipes for the underground diversion system. Photo faces Northwest.

*



State of Idaho
DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

September 22, 1993

State of Idaho
Dept. of Fish and Game
2925 Fish Hatchery Rd.
American Falls, ID 83211

RE: Field examination of a water right claimed in the Snake
River Basin Adjudication (SRBA)

Dear Claimant:

The field staff of this department plans to conduct field examinations of water right claims in your area the week of September 27, 1993. The identification numbers of your SRBA claims which require field verification are shown below. The field examination is necessary to verify your water use.

We will attempt to contact you by telephone to schedule a time for the field examination. If you, or someone with knowledge of your water system, could be available at the time of the field examination, your cooperation and assistance would be appreciated. If you have any questions regarding the field examination, please contact us at 1-800-451-4129.

Sincerely,

A handwritten signature in cursive script that reads "Shelley Walter Keen".

Shelley Walter Keen
Senior Water Resource Agent

Claim Numbers: A35-02916 and A35-00053

A35-00053

A35-021 0

Fish PropagationHatchery LICENSING - 19.1 CFS TOTAL EVALUATION

$$20 \text{ Raceways } 8'W \times 110'L \times 3' \text{ water depth} \\ = 52,800 \text{ CF} / 43,560 = 1.21 \text{ AF}$$

$$19.1 \text{ CFS} / 20 \text{ Raceways} = .955 \text{ CFS/Raceway}$$

$$52,800 \text{ CF} / 20 \text{ Raceways} = 2640 \text{ CF/Raceway}$$

$$\frac{52,800 \text{ CF}}{19.1 \text{ CFS}} = \frac{2764 \text{ SEC}}{3600 \text{ SEC/hr}} = .768 \text{ hrs/Change of Water} \\ = 1.3 \text{ Changes/Hour}$$

* normal water changes vary from one change per hour to three changes per hour.

* normal range for lbs. of Trout per cubic foot is 1.5 to 2.0 LBS/CF

$$1.5 \text{ LB/CF} \times 52,800 \text{ CF} = 79,200 \text{ LBS} = 3960 \text{ LB/Raceway}$$

$$2.0 \text{ LB/CF} \times 52,800 \text{ CF} = 105,600 \text{ LBS} = 5280 \text{ LB/Raceway}$$

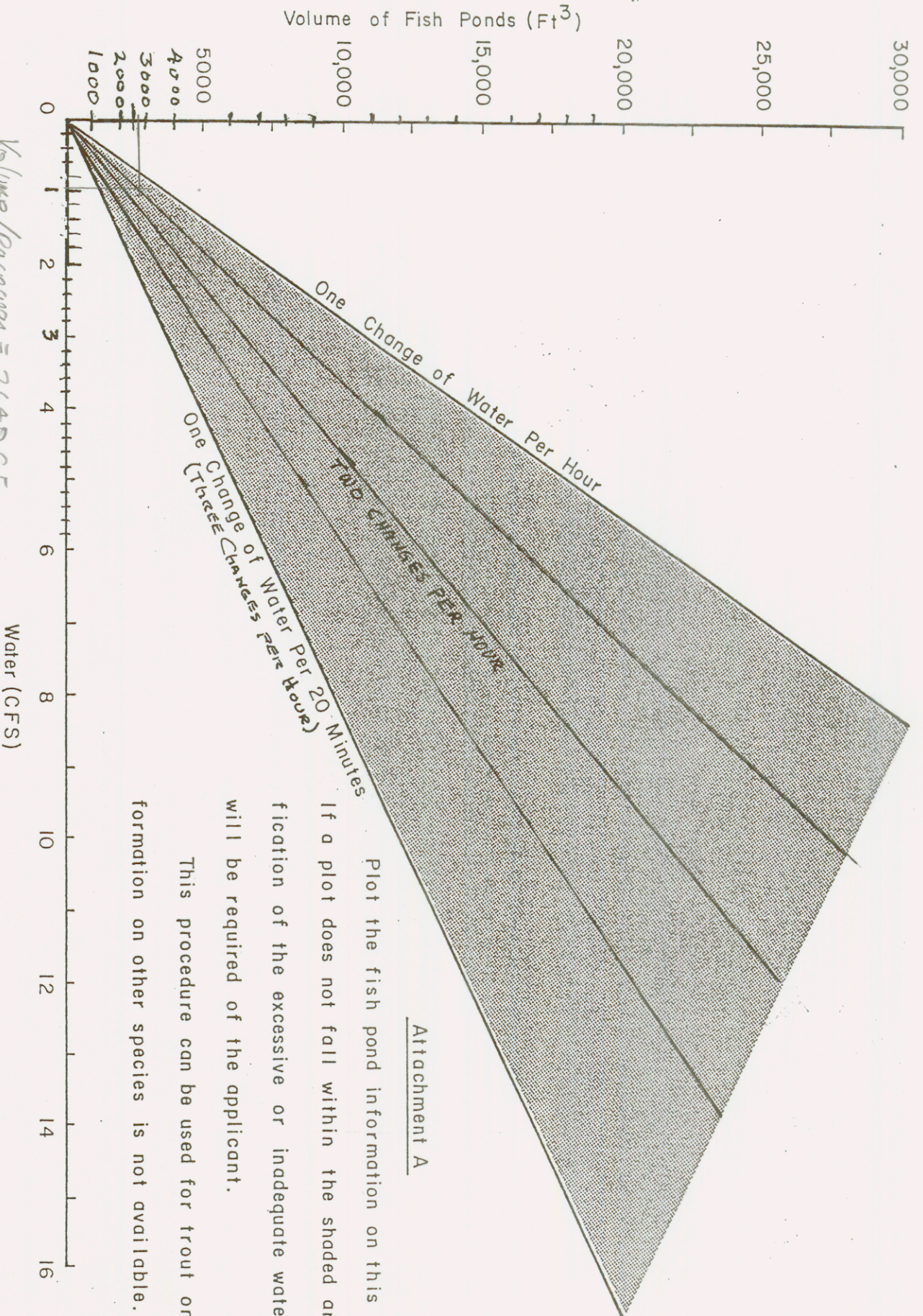
Facility Volume5/14/37 Field examCONCRETE FISH PONDS (A) $27' \times 150' \times 3' = 12,$

$$(A) 27' \times 150' \times 3' = 12,150 \text{ CF ea} = 48,600 \text{ CF TOTAL}$$

$$(B) 27' \times 75' \times 3' = 6,075 \text{ CF ea} = 36,450 \text{ CF TOTAL}$$

$$= \frac{85,050}{43,560} = 1.952 \text{ AF}$$

A35-00053
A35-02916



Attachment A

Plot the fish pond information on this graph. If a plot does not fall within the shaded area, justification of the excessive or inadequate water supply will be required of the applicant.

This procedure can be used for trout only. If information on other species is not available.

Water Requirements For Trout Rearing Facilities Based On Total Volume Of Ponds

DEPARTMENT OF RECLAMATION

BOISE, IDAHO

35-00035

REPORT OF ENGINEER

35-02916

Permit No. 17608

This proof is for Completion of Works & Beneficial Use

In Water District No.

1. Name of applicant Fish & Game Department, State of Idaho
2. Source of water supply: Springs
3. Location of point of diversion: Is in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, of Section 31
T. 7 S. R. 31 E. County of Power
4. Describe works as they exist, giving dimensions and capacities of same: Springs are con-
fined by concrete faced dam 300 ft long x 15 ft high. Thence
via ten concrete fish ponds (4-27'x150'x3') + (6-27'x75'x3'), Pipes
(8"x10" diam) and sprinklers to points of return or use respect-
ively; Hatchery house 30'x60' with 40 hatching trough
capacity
5. Water is used for: Irrigation and fish cultural purposes
6. State whether or not water has been turned into works of diversion: yes
7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres
under cultivation in each forty-acre tract. (Describe manner and place of use if for other than irriga-
tion): NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 31, T. 7 S., R. 31 E., B. M.

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach? Snake River
- Remarks: Irrigation for about 12 acres is provided
by pressure pipes, sprinklers etc.

This examination was made on the

14th

day of

May

37

A35-00053
A35-02916

Match Line

MAJOR
ELEG

METAL HATCHERY BUILDING

RETAIN, CONVERT TO SHOP
IN FUTURE

GRAVEL

NEW PUMPHOUSE

EXST 68°F ARTESIAN WELL,
SH17A

6.0' PATH,
SEE

VISITOR PARKING
DIRECTION SIGN
(FUTURE)

R-1

RETAIN

RETAIN EXST
ROAD

GARAGE

RETAIN

R-2

RETAIN

R-3

RETAIN

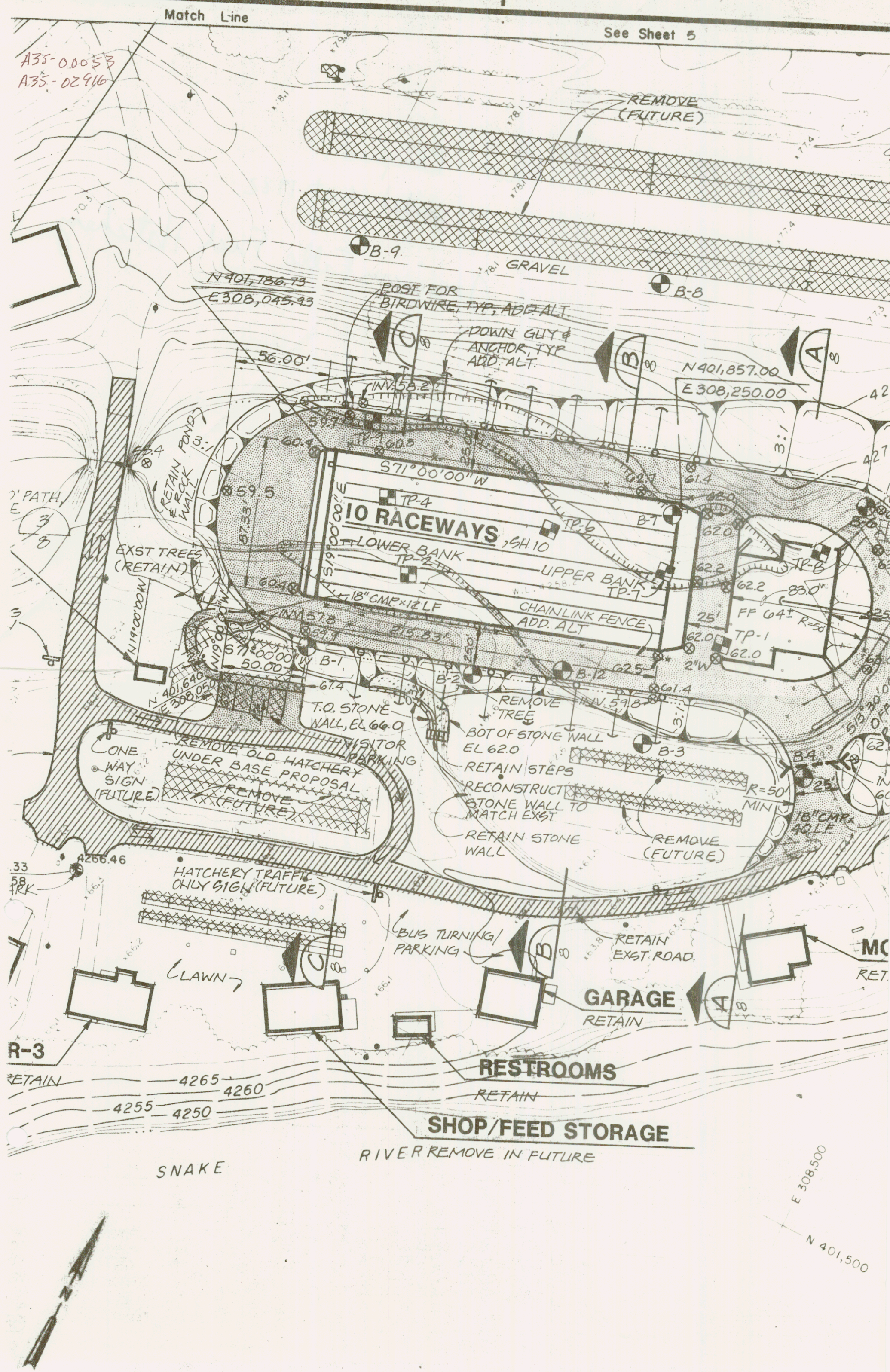
HATCHERY TRAFFIC
ONLY SIGN (FUTURE)

SNAKE

N 401,250
E 308,000



A35-00053
A35-02916



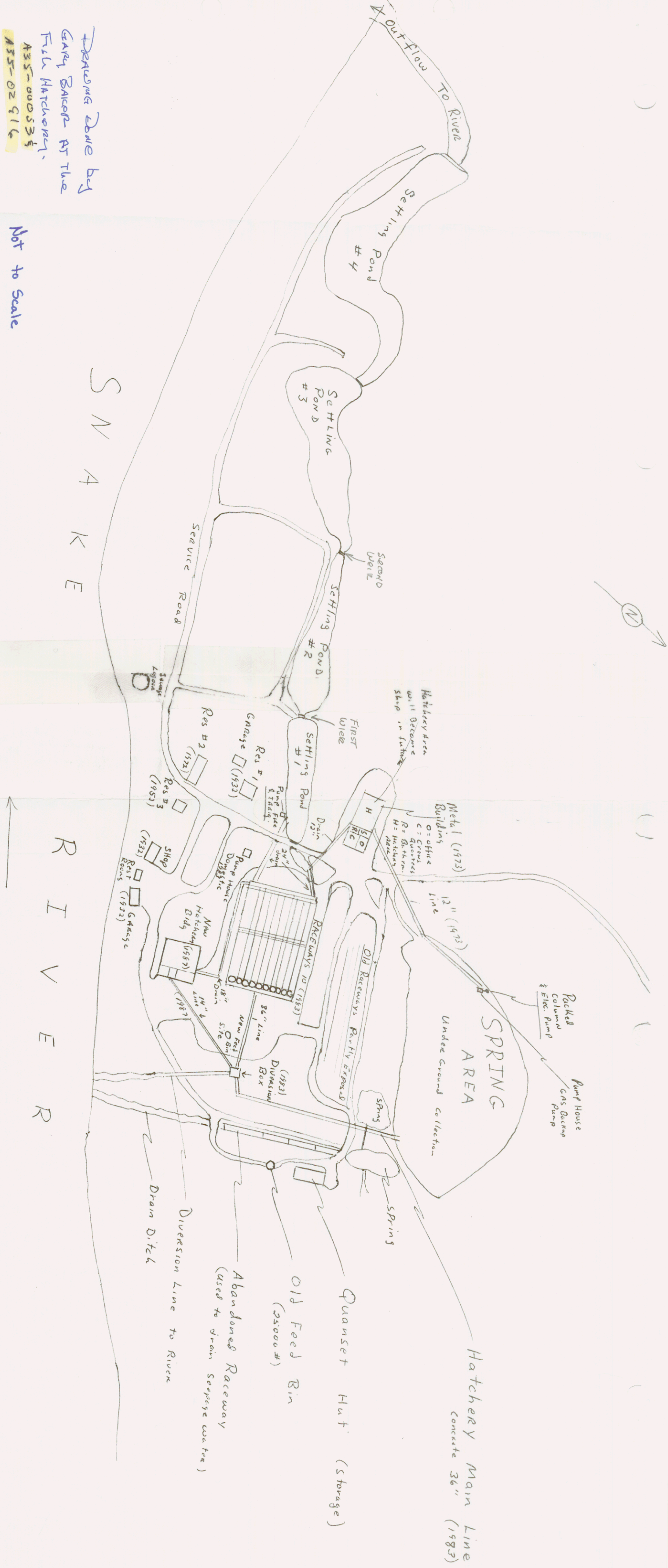
BENCH MARK
 4276.18
 RETAIL LAND FILL
 BREAK DOWN CONC & FILL IN
 REMOVE (FUTURE)
 TEMPORARY DEWATERING CHANNEL
 TEMPORARY DEWATERING CHANNEL FOR PERMANENT DRAIN, SEE SH 9
 REMOVE AS REQD UNDER BASE PROPOSAL
 REMOVE (FUTURE)
 REMOVE EXST CONC STRUCTURE, ETC AS REQD UNDER BASE PROPOSAL
FUTURE HATCHERY BUILDING
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 E 308,448.00
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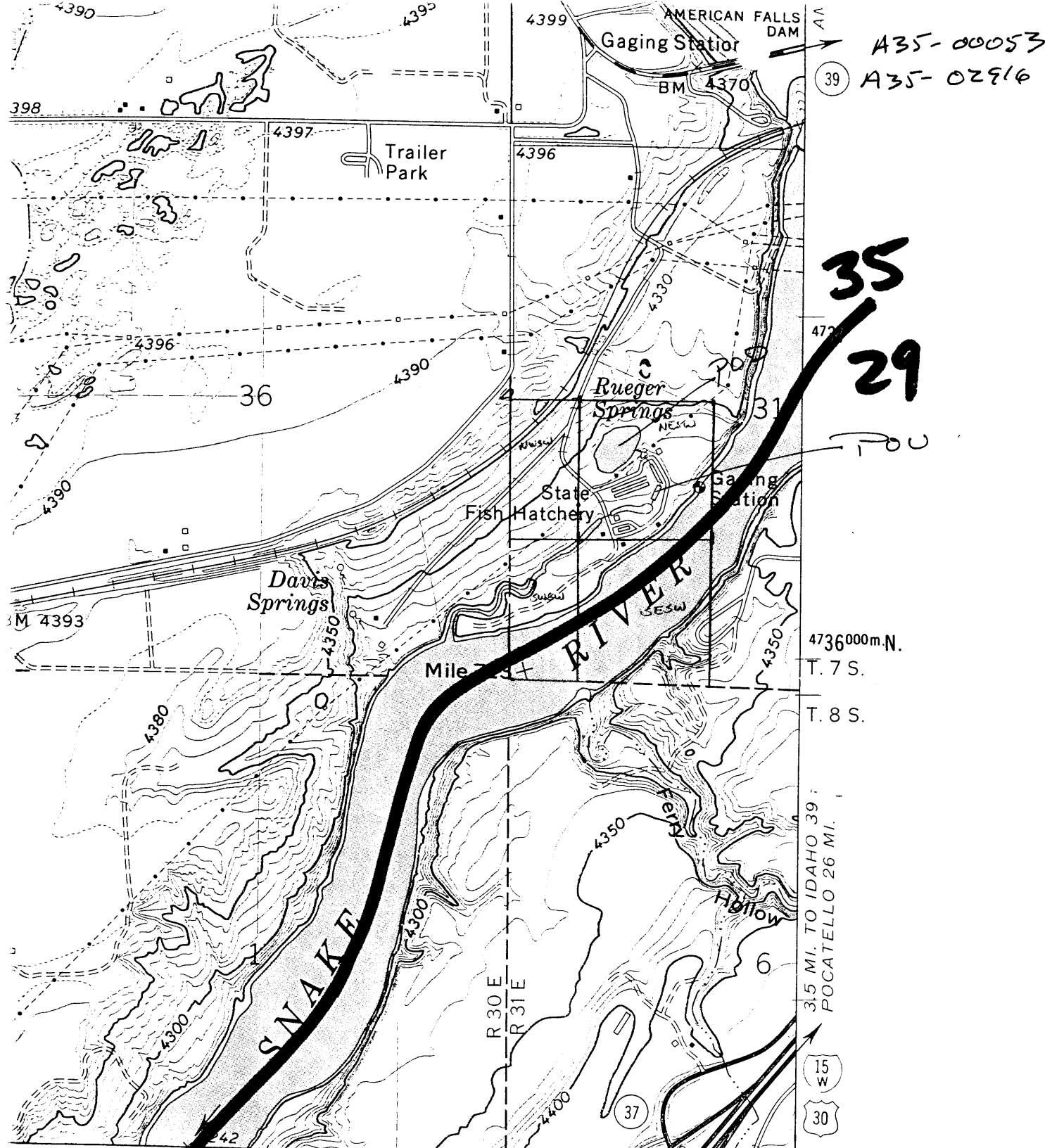
 2 1/2" ASPHALTIC CONCRETE OVERLAY FOR EXISTING PAVEMENT, ADDITIVE ALTERNATIVE

1. BORINGS WERE DRILLED ON JUNE 23 AND 24, 1982 USING A CME 75 AND HOLLOW STEM AUGERS.
2. BORING LOCATIONS ARE APPROXIMATE.
3. TEST PITS WERE DUG JULY 26 AND 27, 1982 USING A CASE 350 BACKHOE WITH A 24" BUCKET FOR APPROXIMATE

Drawn by
Gary Baker at the
Fish Hatchery.
A35-00053
A35-02916

Not to Scale





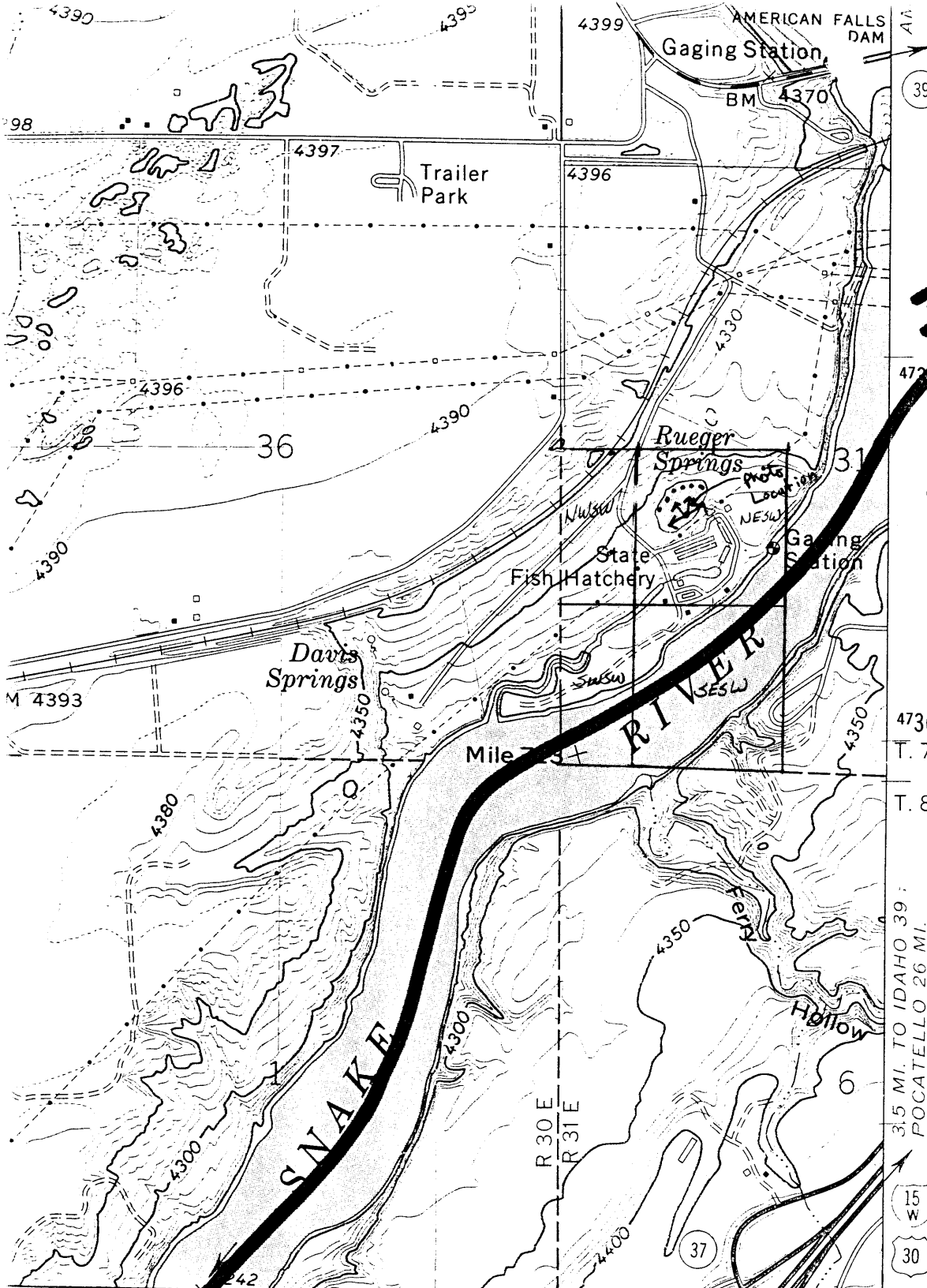
INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1974

ROAD CLASSIFICATION

- | | | | |
|------------------------------------|--|--|--|
| Primary highway,
hard surface | | Light-duty road, hard or
improved surface | |
| Secondary highway,
hard surface | | Unimproved road | |

Interstate Route
 U. S. Route
 State Route

(INDIAN SPRINGS)
3469 III NE



A35-00053
A35-02916

Notes collected in the
field by S.W. Keen on
9-29-93

35
29

Pond filled in,
springs are now
piped

- plastic pipes are in
- concrete represents
water collection

CH2M Hill did
engineering, records
should be at F+A
Engineering in
Boise

4 photos
8-11

Dam breached, 1983
major project 1983

Some water still
collects below dam
and goes out to
river through the
old system

5,000 gal.
Tank for
distilled
water
(INDIAN SPRINGS)
3469 III NE

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C. - 1974

45000m.E.

38 MI. TO INTERSTATE 80 N

112°52'30"

ROCKLAND 14 MI.

ROAD CLASSIFICATION

Primary highway,
hard surface

Light-duty road, hard or
improved surface

Secondary highway,
hard surface

Unimproved road



Interstate Route



U. S. Route



State Route

A 35-00053

+
A35-02916

Notes of S.W. Keen
collected in field 9/29/93

Idaho Department of Water Resources
Shelley W. Keen
September 24, 1993

WATER RIGHT CLAIMS FOR FISH PROPAGATION
Suggested Guidelines for Field Review

In order to complete a review of SRBA claims for fish propagation, the reviewing agent should prepare a system diagram and attempt to answer the following questions.

1. What is the inflow diversion rate? If this cannot be determined, then can the outflow diversion rate be measured? (Consumptive use is considered "de minimus", so outflow should approximate inflow minus any seepage loss.)

2. If there are ponds, can the seepage losses be quantified? Are the ponds lined at all? (Concrete raceways will have little or no seepage loss.) Ponds are settling ponds

3. What is the facility volume? (The facility volume is the volume of water held in ponds and raceways. Measure the depth of the water in the raceway, not the depth of the raceway itself.)

Scale diagrams Race 8' x 110' x 3' (x20) Permit 106
52,800 FT³ = 1.21 AF

4. What type of fish is being raised? What is the maximum number of fish of each size, or the maximum number of pounds of fish, being raised at the facility at any one time?

All trout ① 150,000 lbs of 9"+ rainbow trout $\approx$ 300,000 fish
② and 30,000 lbs of fingerling trout $\approx$ 300,000 to 1 million fish

5. Does the operator keep flow records? Can we see them? Which months usually have the highest flows? Which years had the highest flows? Outflow records. 21.12 CFS max 2/93

6. Has the facility been expanded, i.e. new raceways or ponds added? If so, when? (Portray the changes on the system diagram.)

Not been increased in size, but has been renovated.
Raceways used to be scattered, but now they are concentrated for efficiency. Same amount of water + same # of fish. (Renovation 1983.)

Please contact Marci Sterling at 327-5450 for more information regarding the analysis of claims for fish propagation.

A35-02916

A35-00053

Notes of S.W. Keen
collected in the field on
9/29/93

Fish + Game Irrigation

Lower 5 h.p. U.S. motors #577145

2" outflow

Connect to hose ^{fire} to sprinkler pipe - 2" hard ~~line~~ lines

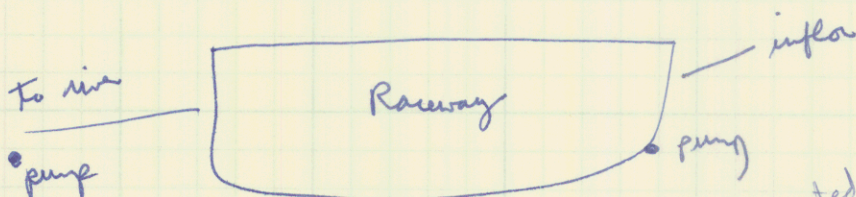
18 inches lift from pond

13 # pipes 1 sprinkler per pipe lower

13 pipes 1 / pipe upper

Upper

New 10 hp installed Sept. 1993
Old hp. 5 12" lift



13 nozzles @ 27 PSI

5 1/32" nozzles

+

11 1/64" nozzles

irrigated at
27 psi
(pitot measurement
of birds)

About 10 acres irrigated

Q measurements

$$Q = 3.33 L H^{3/2}$$

L = Dam Board length

H = Head measured in feet

Standard rectangular weirs

Equation used by fish & game to compute flows through weirs

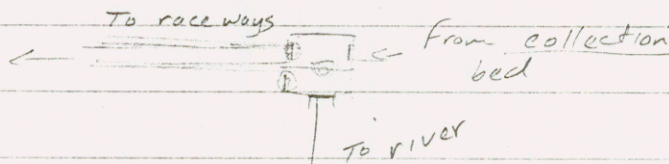
A35-00053
A35-02916

Notes of C. Fritschle collected 9-24-93
American Falls
Fish Hatchery

Cat tails



8-11



#12 diversion box →

#13-19 race ways

3" handlines 5/32 + 1/64

Equation used by FishGame to compute
Flows Thro Weirs.

$$Q = 3.33 L H^{3/2}$$

$\uparrow$ $\uparrow$
 ft ft

L = length of crest
H = Depth at crest

- (18-GWC) SPRINGWATER COLLECTOR PIPE AND SIZE (UNSLOTTED CORRUGATED P
- (36-OF) OVERFLOW PIPE AND SIZE
- (12-CLD) SPRING CONNECTOR UNDERDRAIN AND SIZE (SLOTTED CORRUGATED PI
- (W) POTABLE WATER

A35-00053
#35-02916

DESIGN CRITERIA

SINGLE UNIT DESIGN

COMBINED FACILITY OR HEADER DESIGN

SYSTEM	NUMBER UNITS	NORMAL FLOW/UNIT IN OUT/RAIN	MAXIMUM FLOW/UNIT IN OUT/RAIN	PIPE SIZE/UNIT IN OUT/RAIN	NORMAL COMBINED FLOW IN OUT/RAIN	MAXIMUM COMBINED FLOW IN OUT/RAIN	HEADER PIPE SIZE IN OUT/RAIN
SPRING DEVELOPMENT	12+	-- --	-- 1,344 GPM 3 CFS	-- 12" MIN	8,960 GPM 20 CFS	-- --	-- 36"
TRANSMISSION LINE TO HEADBOX	1	-- --	-- 8,960 GPM 20 CFS	-- 36" ^a	-- --	-- --	-- --
INCUBATORS ^a	10 8 TRAY STACKS	5 GPM 7 GPM	6 GPM 10 GPM	1" TROUGH	50 GPM 70 GPM	1,340 GPM 1,800 GPM 2.99 CFS 4.01 CFS	16" TROUGH
EARLY REARING TANKS ^a	20 (10 PAIRS)	45 GPM 67 GPM	67 GPM 90 GPM	4" TROUGH	900 GPM 1,340 GPM 2.99 CFS	1,340 GPM 1,800 GPM 2.99 CFS 4.01 CFS	16" TROUGH
HATCHERY DEGASSIFICA- TION SUPPLY ^a	1	950 GPM 1,425 GPM 2.12 CFS 3.18 CFS	1,120 GPM 2,100 GPM 2.5 CFS 4.69 CFS	12" 12"	-- --	-- --	-- --
OUTSIDE RACE DEGASSI- FICATION SUPPLY	10	896 GPM 2,688 GPM 2.0 CFS 6.0 CFS	1,120 GPM 3,360 GPM 2.5 CFS 7.5 CFS	12" --	8,960 GPM 26,880 GPM 20.0 CFS 60.0 CFS	11,200 GPM -- 25 CFS	36" --
CLEANING WASTE LINES- UPPER BANK		-- 448 GPM 1.0 CFS	-- 560 GPM 1.25 CFS	-- 12"	-- 3,584 GPM 8.0 CFS	-- 4,480 GPM 10 CFS	-- 24"
CLEANING WASTE LINES- LOWER BANK		-- 896 GPM 2.0 CFS	-- 1,120 GPM 2.5 CFS	-- 12"	-- 3,584 GPM 8.0 CFS	-- 4,480 GPM 10 CFS	-- 24"
TEMPORARY HATCHERY SUPPLY		600 GPM 900 GPM 1.33 CFS 2.00 CFS	600 GPM 900 GPM 1.33 CFS 2.00 CFS				
^a FUTURE CONSTRUCTION.							

A35-00053
A35-02416

MANHOLE FRAME & COVER
SEE STD DETAIL 2026

ADD GRADE RINGS AS REQD
SEE STD DETAIL 2033A

STD 48" PRECAST CONC
MH CONE

FINISH GRADE VARIES SEE SH 3

FUTURE FILL
BY OTHERS

15" SQ BLOCKOUT
SCORED FOR FIELD
REMOVAL

PIPE BASE & PIPE
ZONE SEE STD

DET 15802
EL 70.0
MAX

12-SWC

1'-0"
MIN

CUT & BEND REINF
MORTAR CLOSURE
2-4x4 TIMBER SILLS
IF REQD FOR SUPPORT

TYPE 1

TYP FOR SPRINGS
5-1, 5, 6, 7, 11, 12 & 13

OPEN JOINT, TYP

1 1/2" DIA HOLES AT 8" O.C.

GRANULAR BORROW

STD PRECAST CONC MH
BARREL SECTIONS PERFORATED
1-2' & 1-4' SECTION

FILTER FABRIC, TYP

EXIST GRADE VARIES, SEE SH 3

CENTER MH OVER VENT
OR GROUP OF VENTS. VENT
CONSISTS OF SAND & SMALL
GRAVEL IN "QUICK" CONDITION

TOP EXST
SANDY MATL
AROUND VENT

INNT OUT 70.0
MAX UNLESS
NOTED



SPRING BOX ASSEMBLIES

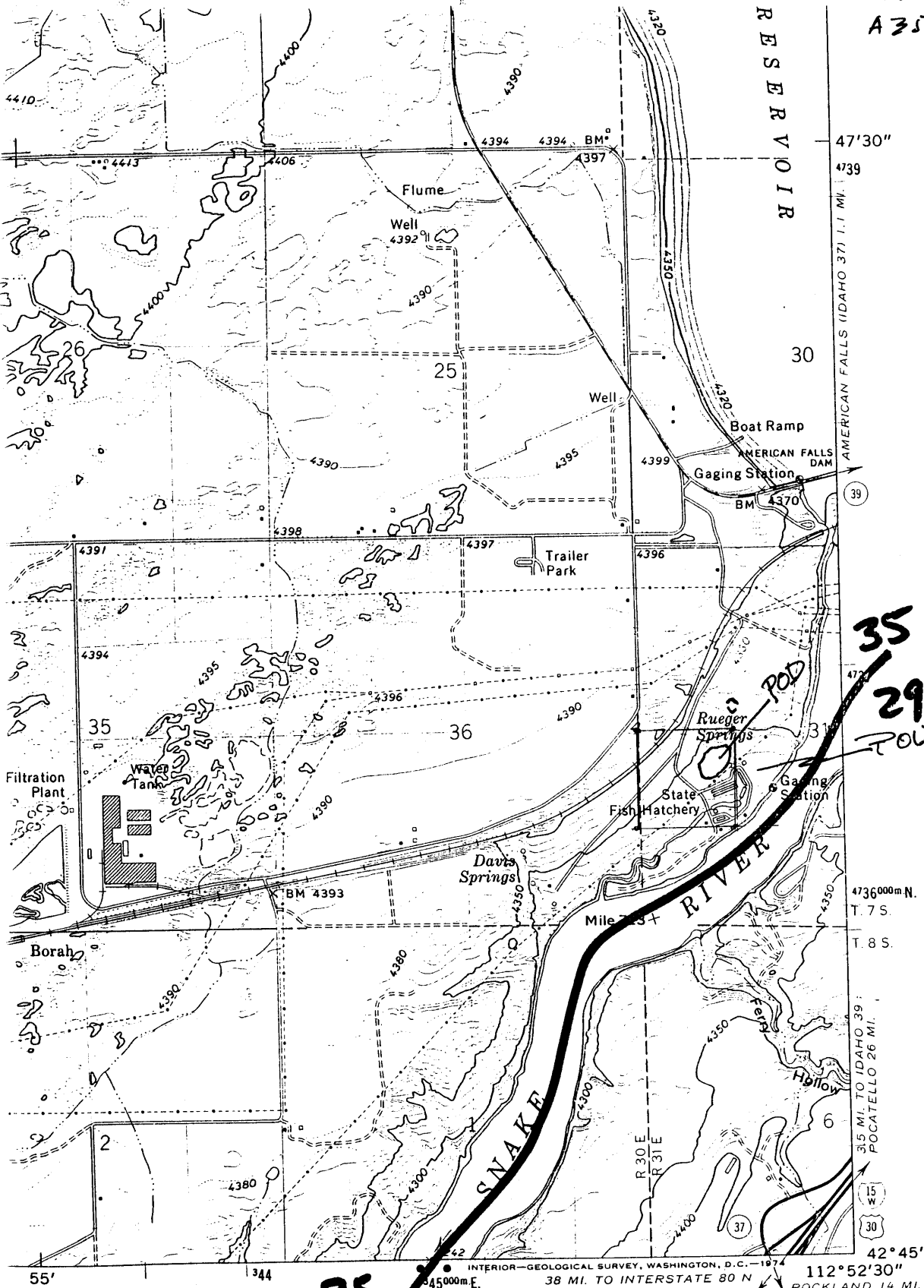
TYPE 2

TYP FOR SPRK
5-2, 3, 4, 8, 10 &

DETAIL 1

NTG

A35-00053
A35-02916



35 29

ROAD CLASSIFICATION

- Primary highway, hard surface —————
- Secondary highway, hard surface —————
- Light-duty road, hard or improved surface —————
- Unimproved road - - - - -

- Interstate Route
- U. S. Route
- State Route



AMERICAN FALLS SW, IDAHO

(INDIAN SPRINGS)
3469 III NE

A35-02916
A35-00053

This 8-page packet is a copy of
flow records kept by Dept. of
Fish and Game.

①

Flow Measurements for 1988 in CFS

Raceway	Jan 5	Feb 3	Mar 1	Apr 17	MAY 3	June 6	July 10	Aug 3	Sept 6	Oct 4	NOV 7
1	1.68	1.78	1.95	2.34	1.95	2.2	Empty	1.81	1.81	1.48	1.62
2	1.73	1.68	1.95	2.08	1.95	Empty	Empty	1.95	1.81	1.48	1.62
3	1.66	1.98	1.95	1.95	1.90	Empty 1.7	Empty	2.35	1.81	1.48	1.62
4	1.58	1.41	1.89	2.21	1.95	1.9	Empty	1.81	1.81	1.48	1.62
5	1.92	2.14	2.08	Empty	.84	1.9	3.50	2.38	1.51	1.27	1.42
6	1.91	2.01	Empty	Empty	Empty	Empty	Empty	Empty	1.00	1.09	1.30
7	1.60	1.68	1.76	2.02	1.82	2.2	Empty	Empty	E.	1.48	1.62
8	1.73	2.08	1.95	1.92	1.50	2.0	3.13	2.79	1.93	1.50	1.62
9	1.47	1.41	1.69	1.92	2.02	2.3	3.67	Empty	E	1.35	1.48
10	1.80	2.01	2.02	2.21	1.75	1.9	3.40	2.67	1.78	1.48	1.72
Hatchery	1.04	.18	.6	1.0	1.25	2.0	2.2	2.24	1.78	1.56	0
Total	17.12	18.36	17.84	17.65	16.93	16.4	15.9	18.0	15.24	15.65	15.64
2nd Wien	21.3	22	21.6	22.0	22.0	22.5	20.0	18.9	18.0	17.2	18.6
MGD	13.76	14.21	13.95	14.21	14.21	14.54	12.92	12.21 12.21	11.63	11.1/mgd	12.02

Raceway Dec 1 1988

1 - 1.77	9 1.69
2 1.77	10 1.73
3 1.77	Total 17.11 CFS
4 1.77	Hatchery 15g/m. = .03 17.04 CFS
5 1.62	2nd Wien 21.57 CFS
6 1.43	12 MO AU 20.47
7 1.69	MGD 13.93 mgd.
8 1.87	

Flow measurements 1989

Raceway

	Jan 3	Feb 10	MAR 1	Apr 14	MAY 12	June 13	July 9	Aug 14	Sept 13	Oct 12	NOV 10	Dec
1	1.43	1.5	1.41	1.5	1.77	2.06	2.06	1.82	1.47	1.22	1.77	2.06
2	1.57	1.77	1.99	1.75	^{empty} 2.06	2.37	2.06	2.19	1.64	1.60	1.47	1.90
3	1.77	1.77	2.12	2.06	2.06	E	E	1.36	1.33	1.22	2.06	2.06
4	1.92	2.0	2.06	2.06	2.37	E	E	1.77	1.42	1.77	1.77	2.06
5	1.87	2.06	1.71	1.75	1.77	2.26	2.06	1.82	1.77	1.64	E	E
6	1.67	1.69	1.86	2.0	2.06	E	E	E	1.33	1.47	.95	1.2
7	1.77	1.82	1.90	1.90	2.20	2.20	2.20	E		1.22	1.47	1.77
8	2.01	2.06	1.86	2.06	2.06	2.37	2.06	1.82	1.77	1.60	1.82	1.90
9	1.87	2.0	1.99	2.37	2.06	2.79	2.20	2.37	1.22	1.26	1.77	2.0
10	1.87	1.93	2.06	2.37	2.20	3.02	2.20	1.93	1.61	1.60	1.90	2.06

Hatchery

.07	.3	.6	2.0	1.77	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0
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MAX

total

17.82	18.9	19.56	21.82	20.33	19.07	16.84	17.08	15.56	16.6	16.48	18.01	18.17
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12 mo av

2nd weir

23.6	24.15	22.97	23.64	23.04	23.21	22.1	21.6	21.29	19.23	21.92	22.2	22.41
------	-------	-------	-------	-------	-------	------	------	-------	-------	-------	------	-------

12 mo av

MGD

15.25	15.6	14.8	15.27	14.88	14.99	14.28	13.95	13.75	12.42	14.16	14.3	
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Flow Measurements 1990 CFS

Raceway #	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1	1.85	1.77	2.00	.95	1.60	—	2.12	1.17	1.96	1.58	E	E
2	1.90	1.77	1.90	2.19	1.77	2.0	2.59	1.69	2.28	1.93	2.2	2.37
3	2.06	1.82	1.74	2.19	1.22	1.89	1.41	1.47	2.06	1.82	2.06	2.07
4	2.17	2.01	1.60	2.42	2.06	1.77	1.96 Empty	1.70	1.96	1.82	2.50	2.37
5	—	1.85	1.84	2.50	1.90	1.96	2.79 1.96	1.70	1.22	E	E	E
6	1.95	2.01	1.22	2.37	1.77	2.22	2.28 2.79	1.60	2.06	1.61	2.06	2.28
7	1.80	1.70	1.1	2.06	1.47	2.59	2.28	1.47	2.06	1.61	1.97	2.28
8	1.95	1.85	1.77	2.70	1.61	2.37	2.59	1.85	—	1.90	2.48	2.41
9	2.00	1.90	2.06	2.37	1.90	2.37	Empty	1.77	2.11	1.90	2.48	2.23
10	2.06	1.85	1.77	—	1.90	2.58	2.12	1.70	—	1.69	2.06	1.76
Hatchery	2.0	1.6	2.0	2.0	2.0	2.0	0	0	0	0		
Total	19.74	20.13	18.47	19.75	19.20	19.14	17.86	16.12	15.71	15.86	17.81	17.77
										12 months	18.13	
2nd weir	21.92	24.09	25.0	24.90	22.47 22.45	22.09	21.7	20.9	20.14	21.05	23.0	
					21.9 (6/29)					12 months	22.48	
M6D	14.16	15.57	16.15	16.09	14.52	14.50	14.27	14.02	13.50	13.02	13.60	14.17

1991

Flow
measuresA35-02916
A35-00053

④

Raceway #

	Jan	Feb 7	Mar 12	Apr 12	May 8	June 7	July 8	Aug	Sept 9	Oct 9	NOV 4	Dec 10
1	E	E	1.77	2.06	1.90	2.37	1.76	2.23	1.76	2.37	1.76	Ø
2	2.4	2.23	2.06	2.06	2.06	2.52	2.08	E	1.61	1.61	1.76	2.05
3	2.1	2.06	2.06	2.06	2.06	2.37	1.76	2.08	1.76	1.76	1.76	2.16
4	2.4	2.37	2.06	2.06	1.77	2.56	2.08	2.39	1.76	1.90	2.05	2.54
5	E	2.06 E	E	2.37	2.37	2.71	2.23	2.23	1.76	1.76	1.91	2.54
6	2.2	2.06 E 2.06	1.90	E	1.34	2.37	2.08	2.23	1.91	1.76	1.91	2.54
7	2.2	2.06	1.90	2.06	1.90	E	1.52	1.79	1.61	1.61	1.48	2.54
8	2.4	2.37	2.28	2.37	2.06	2.71	2.39	2.08	1.85	1.19	1.48	Ø
9	2.4	2.37	2.22	2.37	2.06	E	1.65	1.79	1.47	1.45	1.48	2.33
10	1.9	2.06	1.77	2.06	1.47	2.33	2.08	2.08	1.85	1.61	1.76	2.54
Matchless	0.1	1.7	1.8	1.0	1.0	0	0	0	0	0	0	0.1
Total	18.1	19.3	19.8	20.5	20.0	19.94	19.63	18.9	17.34	17.04	17.35	19.34
										12 mo. AV		18.94
2nd wind	24.0	21.88	21.16	22.7	23.68	24.1	20.8	21.98	22.54	17.24	20.09	21.17
											12 mo AV	20.01
M.G.D	15.5	14.13	13.7	14.66	15.3	15.6	13.44	14.20	14.57	11.14	12.98	13.68

A35-02916
A35-00053

1972

Flow Measurements

5

Raceway #	JAN 10	Feb 10	Mar 13	Apr 13	May 25	June 11	July 1	Aug 11	Sept 8	Oct 7	NOV 9 th	Dec 1 st
1	E	E	1.97	1.80	2.2	1.94	2.54	E	1.47	1.61	2.08	2.39
2	2.16	2.21	1.81	1.60	1.89	1.94	2.54	1.90	1.90	1.74	2.08	2.39
3	2.20	2.38	2.14	1.93	1.60	—	—	1.77	1.76	1.74	2.08	2.08
4	2.53	2.70	2.45	2.19	2.37	2.23	—	2.06	1.74	1.74	2.08	2.23
5	2.20	2.38	2.31	2.06	—	2.23	3.04	2.37	2.19	2.05	—	2.54
6	2.20	2.38	2.08	1.82	1.17	1.79	2.31	2.46	2.05	1.91	2.08	—
7	2.20	1.52	1.59	1.40	1.94	1.65	—	2.37	2.05	1.61	1.8	2.08
8	E	E	1.81	1.58	2.05	1.94	1.65	E	2.05	1.74	1.9	2.39
9	2.37	2.38	1.81	1.93	2.37	2.23	2.71	2.06	2.05	2.05	2.08	—
10	2.25	2.38	1.97	1.77	2.37	1.94	2.54	2.06	E	1.74	2.08	2.08

Hatchery .5 2 .9 .9 0 0 0 0 0 0 0 0

Total 18.61 20.33 20.84 18.98 17.96 17.90 17.33 17.05 17.28 18.03 18.26 18.18
12 mo. AV 18.40

2nd Wien 21.40 21.93 21.48 21.43 19.89 19.96 19.98 19.43 18.92 19.57 19.10 20.72
12 mo AV. 20.32

mg-D 13.85 14.17 13.88 13.84 12.85 12.89 12.87 12.55 12.22 12.64 12.34 13.39

18
1988 1989 1990 1991 1992
Hatch Tot 116.82 181.17 181.13 181.94 181.40
2nd Wien 20.47 22.41 22.48 20.01 20.32

5 year
aver
18.09
21.14

A35-00053

A35-02916

1993

(6)

Raceway#

JAN Feb MAR Ap MAY Jun Jly Aug Sept oct Nov Dec

	15	8	11	22	18	15	12	14				
1	2.39	2.71	2.54	2.50	2.23	1.70	—	—	1.91			
2	2.39	2.71	2.54	2.23	^E 2.23	1.07	2.54	2.71	1.81			
3	2.08	2.39	2.23	2.08	2.23	1.76	2.37	2.23	1.91			
4	2.23	2.54	2.39	2.23	2.23	2.08	2.54	2.86	2.22			
5	2.54	2.71	2.70	2.39	2.70	2.37	—	—	2.05			
6	—	—	—	—	1.39	1.31	2.22	2.71	1.91			
7	2.23	2.71	2.39	2.23	2.08	1.76	2.05	—	1.61			
8	2.54	2.71	2.39	2.39	2.39	1.76	2.37	2.71	2.22			
9	—	—	—	1.52	1.52	2.08	2.37	2.86	2.22			
10	2.39	2.39	2.08	1.79	1.80	1.76	2.16	2.54	1.91			

Hatchery

.25 .25 1.20 1.76 1.60 1.50 — — —

Total

19.04 21.12 20.46 21.12 20.17 19.15 18.62 18.62 19.77

2nd wien

22.17 22.27 22.24 23.06 24.57 21.0 22.65 23.24 23.21
23.24

MGD

14.32 14.39 14.37 14.90 15.87 13.57 14.63 15.01 14.99

FLOW MEASUREMENTS *

MONTH	1983	1984	1985	1986	1987	1988
JAN.		19.5	19.4	20.0	18.0	21.3
Feb.		19.5	18.9	18.7	19.8	22.0
Mar.		19.4	18.0	22.7	20.6	21.6
April		N/A	20.0	19.9	21.4	22.0
MAY		N/A	23.0	18.2	21.4	22.0
JUNE		23.6	19.0	26.0	22.0	22.5
JULY		24.0	18.8	21.2	20.6	20.0
AUG.		21.4	18.7	22.4	20.6	18.9
SEPT.		18.7	16.4	26.0	19.6	18.0
OCT.		20.6	16.9	23.6	19.6	17.2
NOV.	22.0	20.0	22.0	22.4	19.2	18.6
DEC.	19.1	20.6	18.0	19.4	21.4	21.6

* Flows are expressed in cubic feet per second.

These values represent the amount of water available for rearing plus the flows from several small springs and seeps that come in below the raceways. The flows from these seeps and springs may total anywhere from two to four c.f.s. at different times.

A35-01 53
A35-02916

8

MONTH	1989	1990	Avg
JAN.	23.6	21.9	20.5
FEB.	24.2	24.1	21.0
MAR.	23.0	25.0	21.5
APR.	23.6	24.9	22.0
MAY	23.0	19.2	21.1
JUNE	23.2	22.5	22.7
JULY	22.1	22.1	21.3
AUG.	21.6	21.7	20.8
SEPT.	21.3	21.9	20.3
OCT.	19.2	20.2	19.6
NOV.	21.9	21.1	20.9
DEC.	22.2	23.0	20.7

6 year 12 month 21.05

State of Idaho

License and Certificate of Water Right

Water License No. 17608
Water District No.

Amount 14.1
Priority November 4, 1931

THIS IS TO CERTIFY that FISH AND GAME DEPARTMENT STATE OF IDAHO of Boise, Idaho, made application for a permit to appropriate the public waters of the State of Idaho, dated November 4, 1931; that Permit No. 17608 was issued under said application; that Certificate of Completion of works, with a carrying capacity of 14.1 second feet, was issued thereunder on April 15, 1939, showing that said works were completed on the 23rd day of January, 1937; and that on the 23rd day of January, 1937,

FISH AND GAME DEPARTMENT OF STATE OF IDAHO

of Boise, State of Idaho, made proof to the satisfaction of the Commissioner of Reclamation of Idaho, of the right to use the waters of springs owned by State of Idaho, a tributary of Snake River, for the purpose of irrigation and fish cultural work, under Use Permit No. 17608 of the Commissioner of Reclamation and that said right to the use of said waters has been perfected in accordance with the laws of Idaho, and is hereby confirmed by the Commissioner of Reclamation of Idaho and entered of record in Volume 7 of Licenses, at page 3948, on the 15th day of April, 1939;

The right hereby confirmed dates from November 4, 1931;

The Point of Diversion is located S. 75° 1350 ft. from $W \frac{1}{4}$ corner of Sec. 31, T. 7 S., R. 31 E., B.M. in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 31, T. 7 S., R. 31 E., B.M. Power County

That the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall not exceed 14.1 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
S. 15	1200 ft. distant from the $W \frac{1}{4}$ corner of Section 31, T. 7 S., Range 31 E., B.M.				
	in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 31, T. 7 S., Range 31 E., B.M.				

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

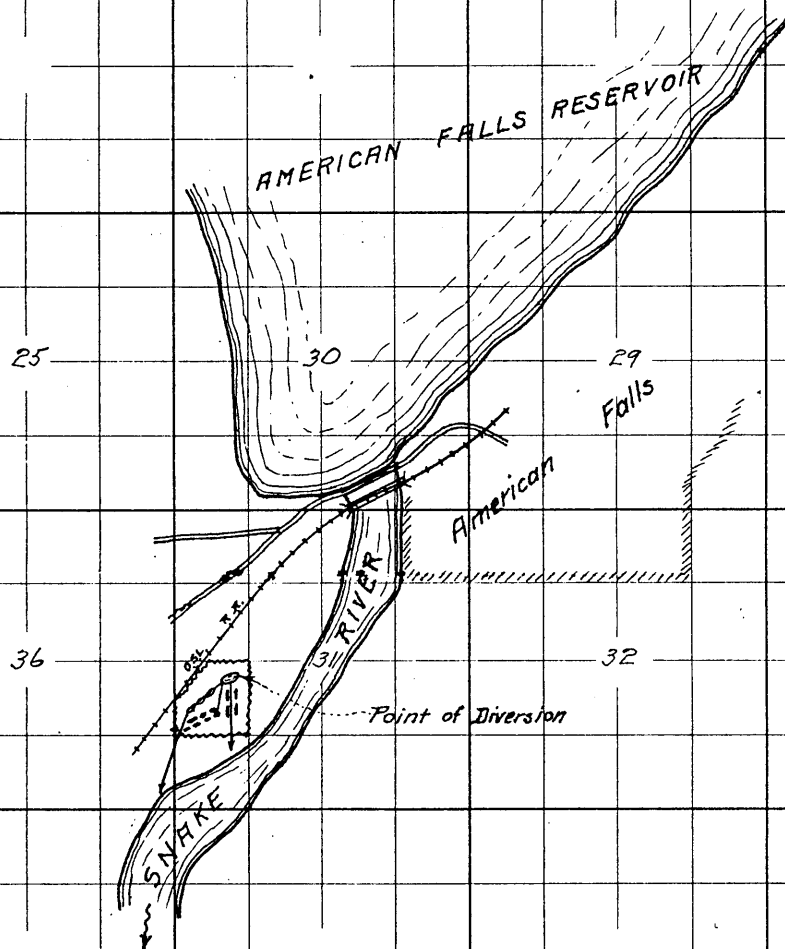
WITNESS the seal and signature of the Commissioner of Reclamation, affixed at Boise, Idaho, this 15th day of April, 1939

JAMES SPOFFORD

Commissioner of Reclamation

(SEAL)

A35-00053
A35-02916



STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

A35-00053
A35-02966

REPORT OF ENGINEER

Permit No. 17608

This proof is for Completion of Works & Beneficial Use

In Water District No.

1. Name of applicant Fish & Game Department, State of Idaho

2. Source of water supply: Springs

3. Location of point of diversion: Is in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, of Section 31

T. 7 S. R. 31 E. County of Power

4. Describe works as they exist, giving dimensions and capacities of same: Springs are con-
lined by concrete faced dam 300 ft long x 15 ft high. There
are ten concrete fish ponds (4-27'x150'x3') x (6-27'x75'x3'), Pipes
(8"x10" diam) & sprinklers to points of return or use respect-
ively; Hatchery house 30'x60' with 40 hatching trough
capacity

5. Water is used for: Irrigation and fish cultural purposes

6. State whether or not water has been turned into works of diversion: yes

7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if for other than irrigation): NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 31, T. 7 S., R. 31 E., B. M.

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach? Snake River

Remarks: Irrigation for about 12 acres is provided
by pressure pipes, sprinklers, etc.

This examination was made on the 14th day of May, 1937

(Signed) Ed H. Johnson
Examiner.

1 5-00053
A 55-02916

AMERICAN FALLS
DAM

5
A
C
W
D

Q.S.L.R.R.

[illegible]

N. 89° 53' W.

T 75 R 31 E

S TO AN INCH
DECLINATION 189

COMPILED FROM THE OFFICIAL RECORD

Sec. 27.

Sec. 26.

Sec. 25.

R 35-00053
R 35-02916

~~1835~~
~~1832~~

Sec. 34.

Sec. 35.

q

R

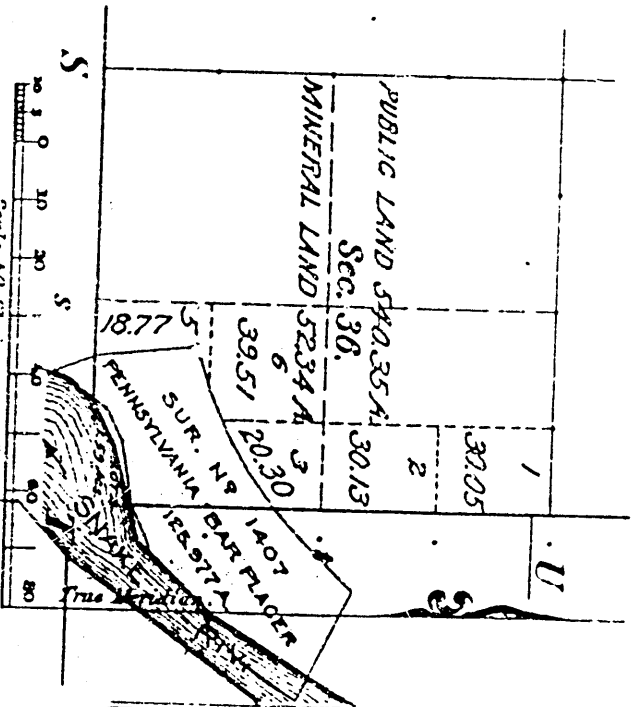
r

S

S

Segregation Plat

Scale 10 Chains to an Inch.



The above ~~map~~ Township N. 9 E. 30 South of Range N. 30 East of the Boise Meridian, Idaho is, actually, conformable to the field notes of the survey thereof on file in this Office, which have been examined and approved.

Surveyor General's Office,
Boise City, Idaho,
December 15th 1903.

Wm. C. H. Egan
Sgt. Genl. for Idaho.

35-00053

35-02916

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

In the Matter of the Application of)

Idaho Fish and Game Department)
518 Front Street)
Boise, Idaho)

ORDER GRANTING TRANSFER

For a Transfer of Water Right,)
in the County of Power, State)
of Idaho)

No. 1051 (35-00053)

WHEREAS, On the 30th day of March, 1965, at the Department of Reclamation of the State of Idaho at Boise, Idaho, this matter of the application of the Idaho Fish and Game Department, through Robert L. Salter, Assistant Director, 518 Front Street, Boise, Idaho, for a transfer of water right came on regularly for hearing, pursuant to the published notice in due and statutory form, and,

WHEREAS, No protest has been filed against the application, and the evidence filed by the applicant with the application shows that the water will be put to a higher and more efficient beneficial use and no one will be injured thereby;

NOW, THEREFORE, IT IS ORDERED, That the said application be, and the same is, HEREBY GRANTED, and that a Certificate of Transfer be issued to the applicant herein as provided by the laws of the State of Idaho.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the official seal of the Department of Reclamation of the State of Idaho to be hereunto affixed at Boise, Idaho, this 24th day of June, 1965.

CARL E. TAPPAN
State Reclamation Engineer

MAR 12 1965
Department of Reclamation
Form 20

RECEIVED
MAR 8 1965

Application For Transfer of Water Right Reclamation

STATE OF IDAHO

County of Ada

ss.

Robert L. Salter, Asst. Director of the Idaho Fish and Game Department, acting for and on behalf of said Department, being first duly sworn, deposes and says:

That his name is Robert L. Salter; that he is of lawful age, a citizen of the United States and of the State of Idaho, and that his postoffice address is Idaho Fish and Game Department, 518 Front Street, Boise, Idaho.

That he is the owner and using a certain water right, bearing date of priority of March 27, 1925, for five cubic feet per second of the waters of Rueger Springs

County of Power, State of Idaho, decreed to United States of America, for use by the City of American Falls by decree of Judge Charles C. Cavanah of the Eastern Judicial District of the State of Idaho, in and for the county of Power, in the case of United States of America, Plaintiff vs. Charles C. Rueger, et al., D., said decree bearing date of April 12, 1927

(or obtained by virtue of License No., issued by the State Department of Reclamation of the State of Idaho, dated, 19, bearing date of, 19, for the purpose of domestic use and irrigating the following described lands situate, lying and being in Water District No. in the County of Power and State of Idaho, to-wit: Domestic water for the City of American Falls

and is the person (or representative of the corporation) to whom such right so issued, or has become the owner thereof in the following manner, i.e. by purchase from the City of American Falls, Idaho

as per abstract of title of said water right hereto attached and made a part of this statement: Photo of Deed

That said waters are now diverted from said Rueger Spring in the Pennsylvania Bar Placer Claim, of Idaho Survey #1407, of Section 31, Township 7 South, Range 31 East, B. M., and were

ducted to the above described lands through a pipeline as per map herewith and of this affidavit made a part. (No map available)

CHANGE IN PLACE OF USE

That affiant and petitioner desires to abandon the use of five cubic feet per second of said water upon the above described land, and to convey and use same upon the following tract, situate, lying and being in the County of Power and State of Idaho, to-wit: Pennsylvania Bar Placer Mining Claim Survey #1407 located in Sec. 31, T. 7 S., R. 31 E.B.M. and those lands of said Survey #1407 lying east of a line connecting survey monuments #4 & #16 of said Survey #1407, Sec. 36, T. 7 S., R. 30 E.B.M., Idaho.

That reasons for desiring to make such transfer are as follows: To use the waters on lands held by the State for the use and benefit of the Idaho Fish and Game Department for fish-cultural purposes, domestic use and irrigation of the lands of Survey #1407 above designated, being the State's American Falls fish hatchery complex.

That he intends to divert and convey said five second feet of water to the tract of land last above described in the following manner and as per map accompanying this application: gravity flow from Rueger Spring via pipeline and by pumping from the spring reservoir.

Note—If this water right has heretofore been carried jointly in a ditch with other water, affiant should secure written consent of other owners or users to removal from its original carrier and file such consent with this affidavit.

CHANGE IN POINT OF DIVERSION

That affiant desires to change the point of diversion of said waters from the point above described to a point located in 1/4 of 1/4 of Section Township Range and thereafter conduct same to the above described land through the ditch, as per map appended.

That his reasons for desiring to make such change are as follows:

No change in point of diversion is needed.

Petitioner asserts that no one will be injured by such transfer, or change in point of diversion, and that the change will be made at petitioner's own risk.

WHEREFORE, Affiant and Petitioner prays that the State Reclamation Engineer of the State of Idaho issue to him the proper certificate authorizing such change in point of diversion and/or place of use, in accordance with the provisions of Sections 42-108 and 42-222 of the Idaho Code.

STATE OF IDAHO, Fish and Game Department

By Robert L. Salter
Robert L. Salter, Asst. Director Applicant.

Subscribed and sworn to before me this 5th day of March, 1965.

Anne Speckli
Notary Public.

APPLICANT WILL ANSWER THE FOLLOWING QUESTIONS:

From what stream is the water diverted? Rueger Springs

Where is the diversion point located? Approximately S. 75° E. 1350 feet distance from the west quarter corner of Sec. 31, T. 7 S., R. 31 E.B.M., Idaho.

Through what ditch is it now conducted? Private pipeline owned by the State of Idaho Fish and Game Department, and located on its lands.

How much land is now irrigated by the water sought to be transferred? Approximately 5 acres.

Give the description: Segment of Placer Mining Claim Survey #1407, State of Idaho, Sec. 31, T. 7 S., R. 31 E.B.M., Idaho.

What is the total amount of water in inches, or second feet, dedicated to said land?.....955.....

What kind of crops are being raised?.....fish, an industrial use.....

How much water per acre is now required to irrigate said land? Approximately 5 inches per acre for irrigation.

What will be the effect on the land now irrigated, if the use of water on it is discontinued?.....It would become arid and nonproductive.....

Give location of new point of diversion, if change is to be made No change.....

Through what ditch will it be conducted after transfer?..... Existing pipelines.....

How much water will be required per acre to irrigate the land to which this water is transferred?.....

3 inches per acre for irrigation; 955 inches for fish cultural purposes.....

Do you claim any other water right for the land from which you seek to abandon the use of this water?

If so, give amount, date and source No..... However, the City of American Falls does.....

Is there any other water right for the land to which you seek to make this transfer? If so, give amount,

date and source..... Yes..... 14.1 c.f.s., Permit #17608, Nov. 24, 1931, Rueger Springs.....

STATE OF IDAHO, Fish and Game Department

Signed Robert L. Salter
Applicant.
Robert L. Salter, Asst. Director

STATE OF IDAHO,

County of..... } ss.

I,, Watermaster of.....

Water District No....., County of....., State of Idaho, whose postoffice address

is....., have read or heard read the foregoing affidavit and petition

of....., and, of my own knowledge, believe the same to be true

as to all matters therein alleged, and that no one will be injured by the transfer prayed to be authorized;

and I hereby endorse my approval of said petition, and request that the State Reclamation Engineer

issue the certificate of transfer as petitioned; or (do not approve of the issuance of the certificate of

transfer prayed for) for the following reasons:.....

Watermaster, District No.....

Dated at....., Idaho, this..... day of....., 19.....