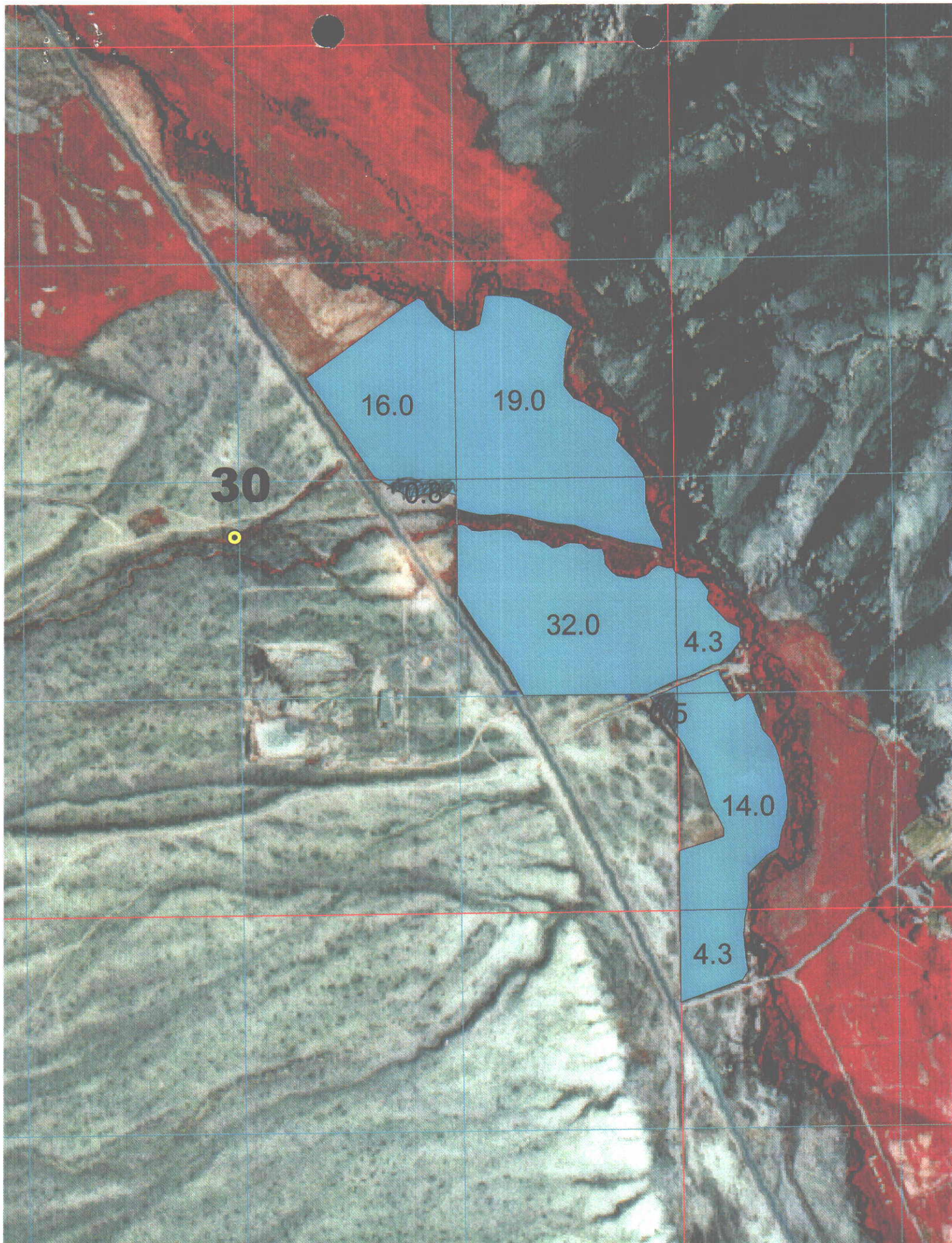
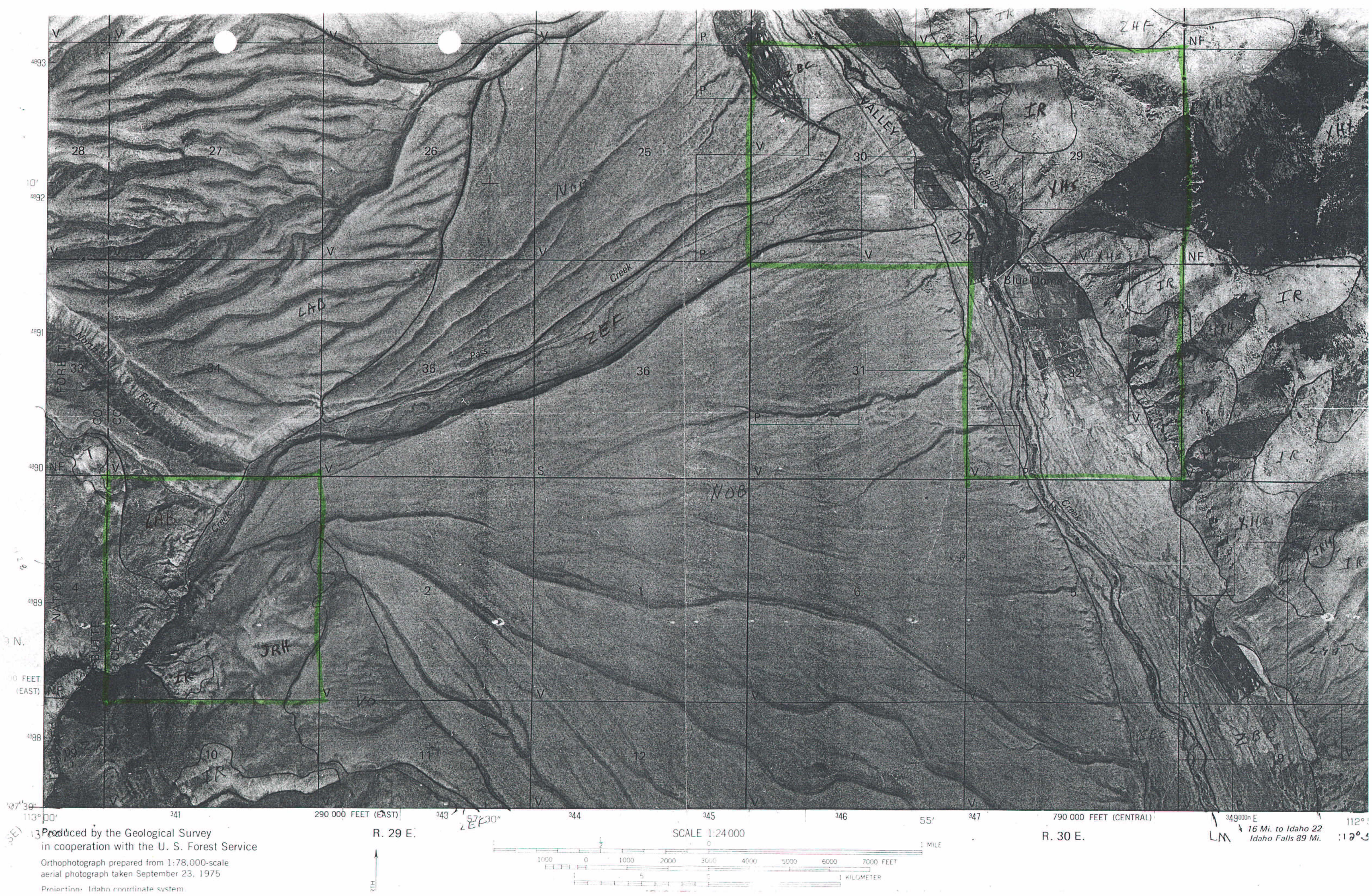






30

29

16.0

19.0

0.8

32.0

4.3

0.5

14.0

4.3

CLAIM NO(S): A32-00088
DATE: 5/13/99 T 10N R 30E
SOURCE OF DOC: DAPP, GIS, IOWA
SIGNATURE: 

31

32

CLAIM NO(S): A32-00088
DATE: 5/13/99
SOURCE OF DOC: AGCS (OWNER)
SIGNATURE: *[Signature]*

GONER

TION R30E

weir

out

16
1/23/93

219

Place of use

out

30
31
32

JANICE
JUDY

9650

BIRD
RAN

246

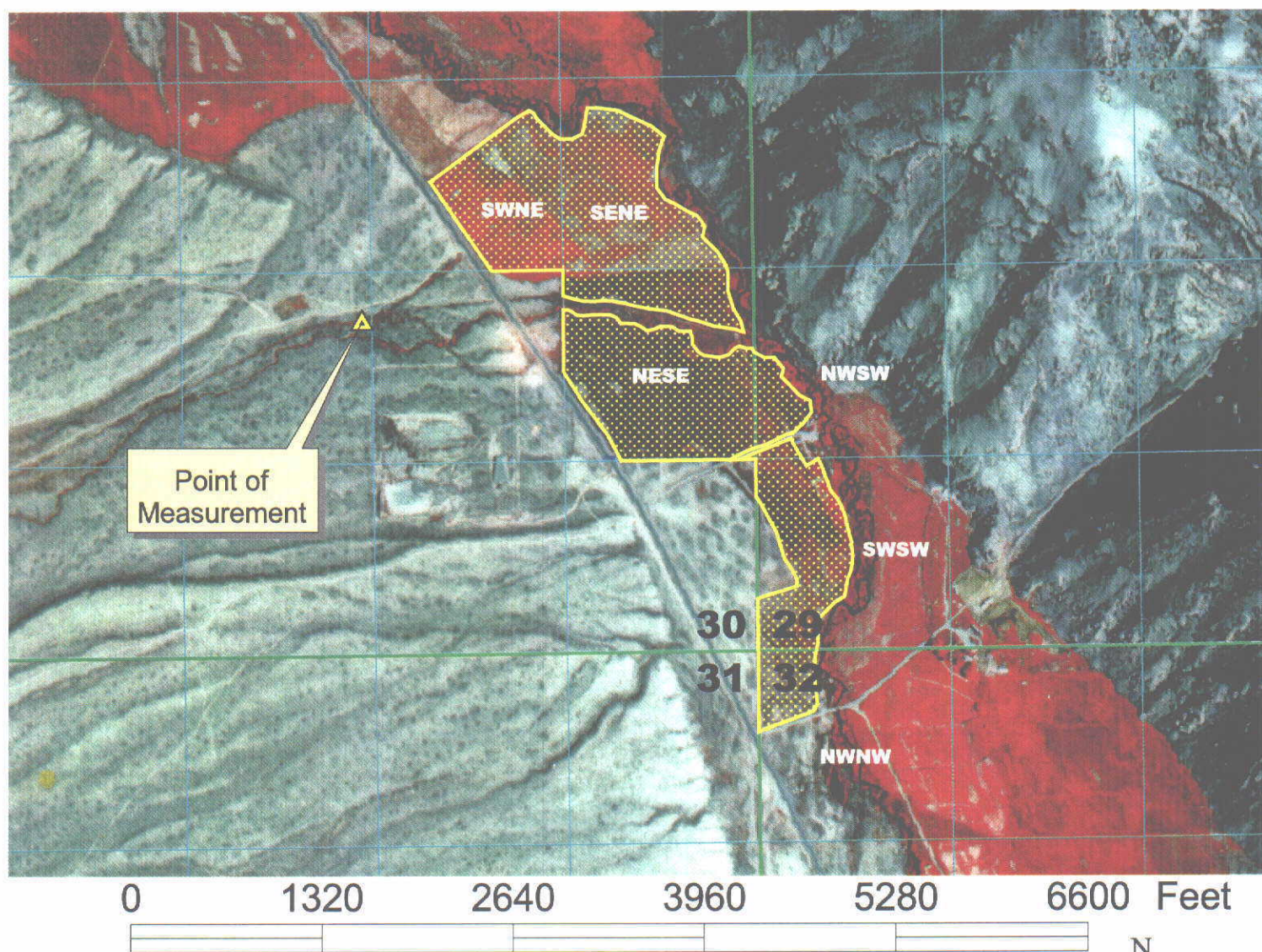
141

111

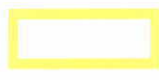
9
33

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Nos. 32-00088 & 32-10315



Point of Measurement



Place of Use
Boundary

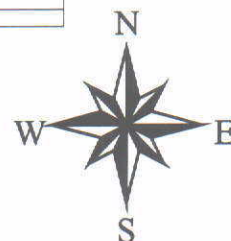


Section Lines



Quarter/Quarter Lines

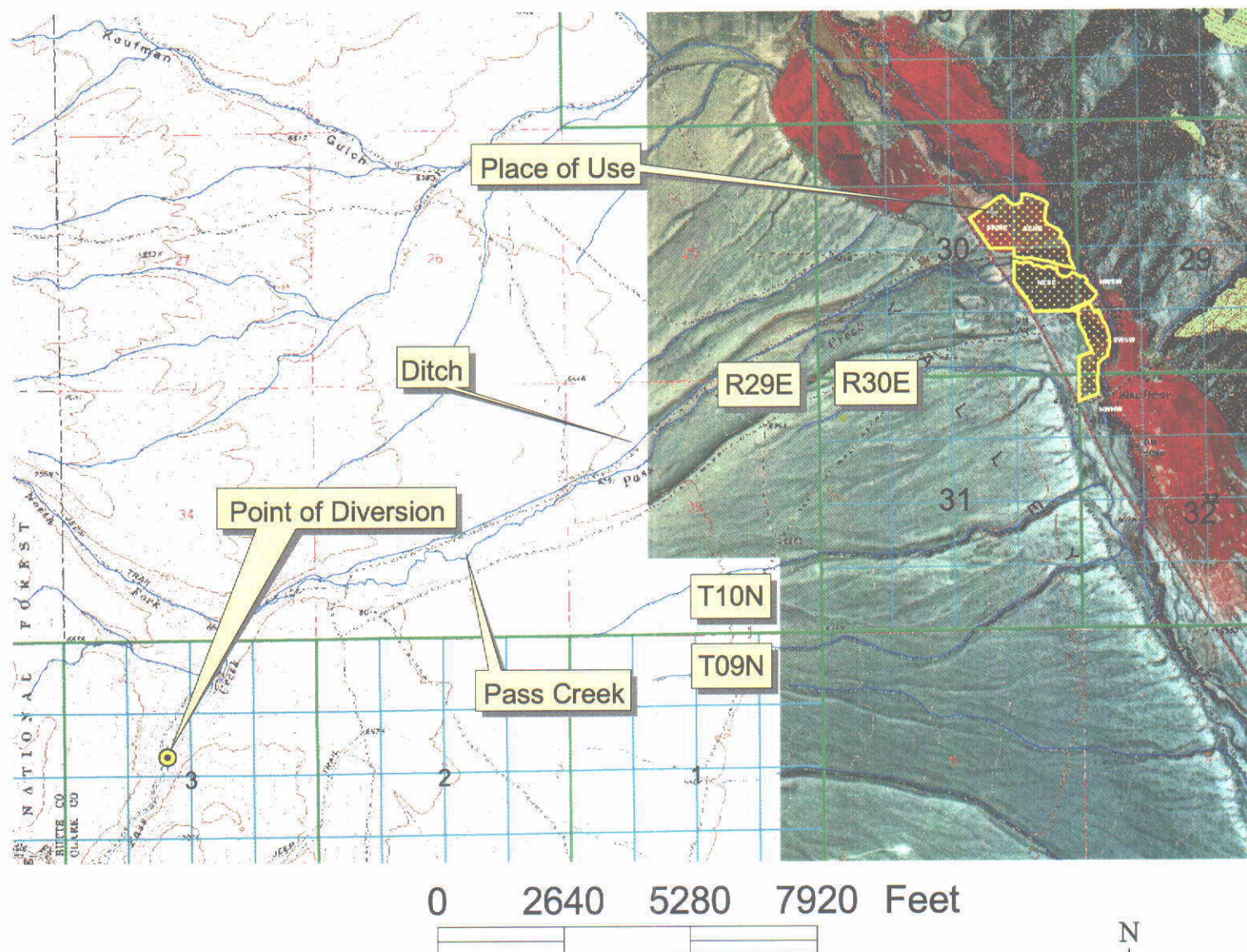
Townships 10N Range 30E
Acres Irrigated: 104



GIS Place of Use Illustration
1987 NAPP Photography
Prepared by: Eric S. Verner
Date: June, 1999

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Nos. 32-00088 & 32-10315



Point of Diversion



Place of Use
Boundary

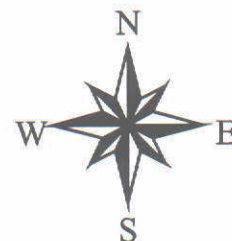


Section Lines

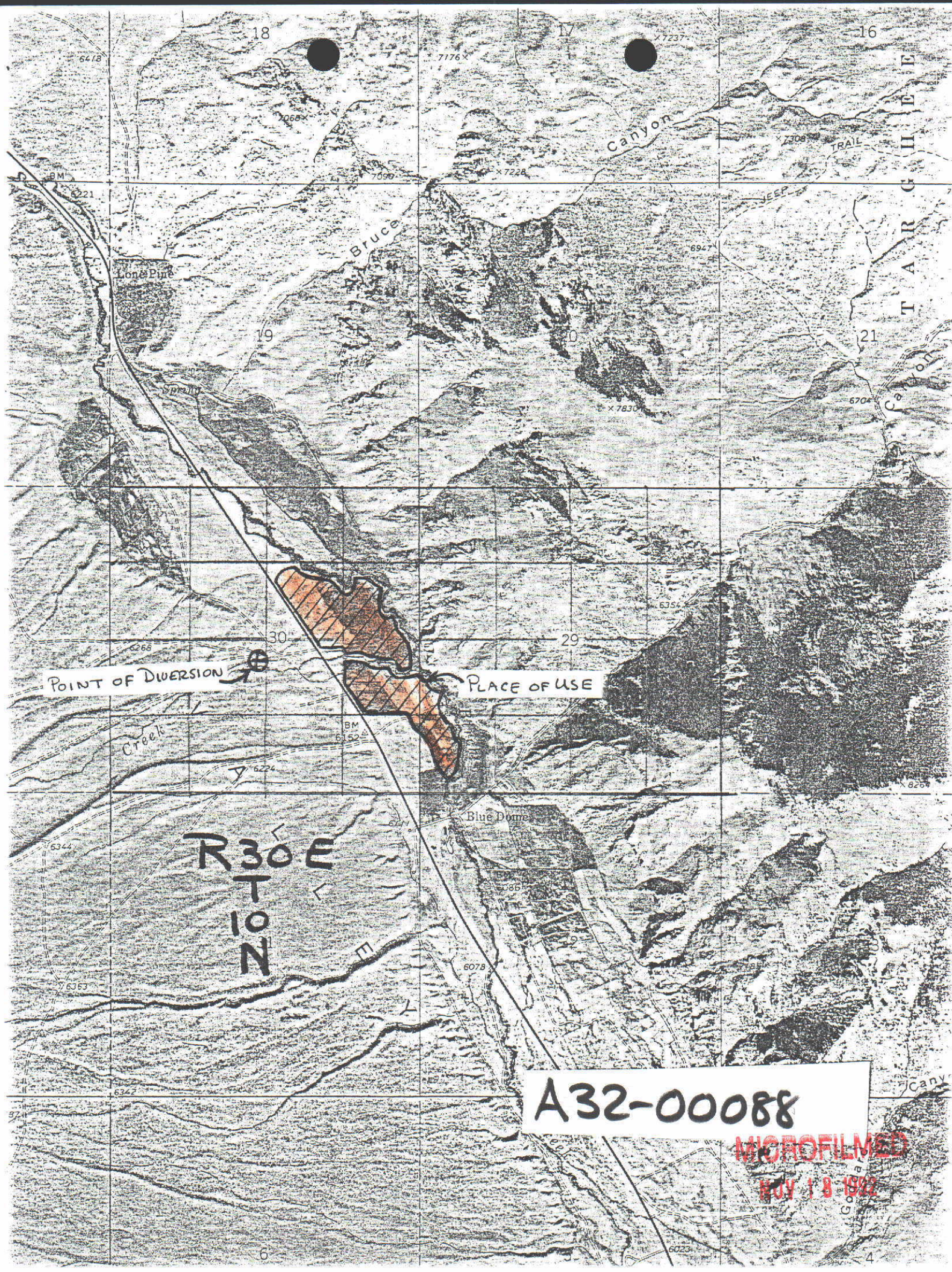


Quarter/Quarter Lines

Townships 9N & 10N, Ranges 29E & 30E
Source: Middle Fork Pass Creek



GIS Place of Use Illustration
1987 NAPP Photography
Prepared by: Eric S. Verner
Date: June, 1999



1920
302A

R30E

T10N

POINT OF
DIVERSION

PLACE OF USE

Wm. SIMMONS

MAC WAGONER

C65

T199

3021

JANICE
JUDY

A32-00088

T10NR30E

MICROFILMED

NOV 18 1992

August 1, 1999

**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: September 10, 1999

Water right number: 32-00088

BETTY WAGONER
MAC WAGONER
PO BOX 296
DUBOIS ID 83423

Daytime Telephone Number:

Evening Telephone Number:

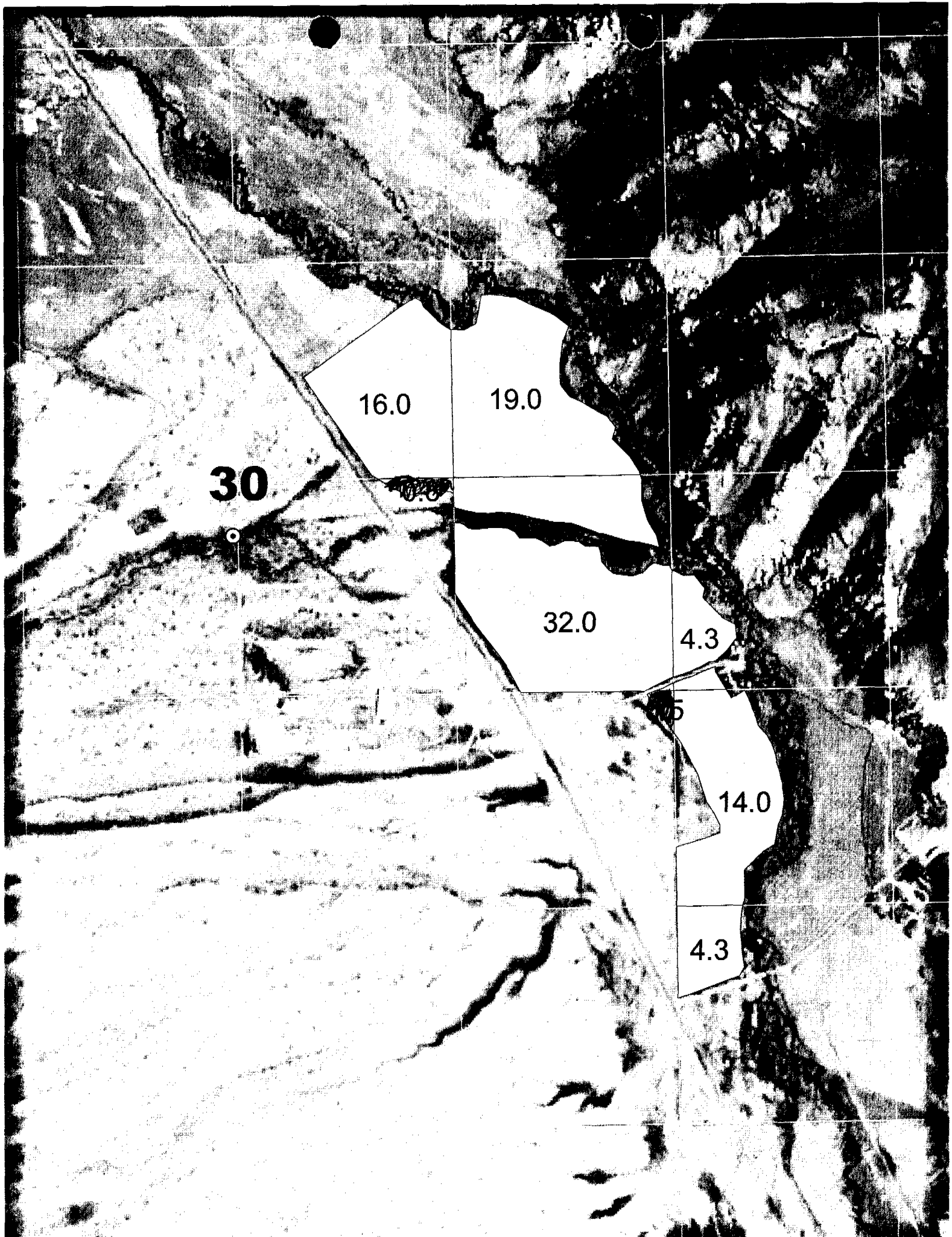
1. Describe the portion of the proposed recommendation with which you disagree (e.g. priority date, period of use, source):

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: 8-26-99 SIGNATURE: Mac Wagoner
Please print your name: MAC WAGONER



16.0

19.0

30

0.8

32.0

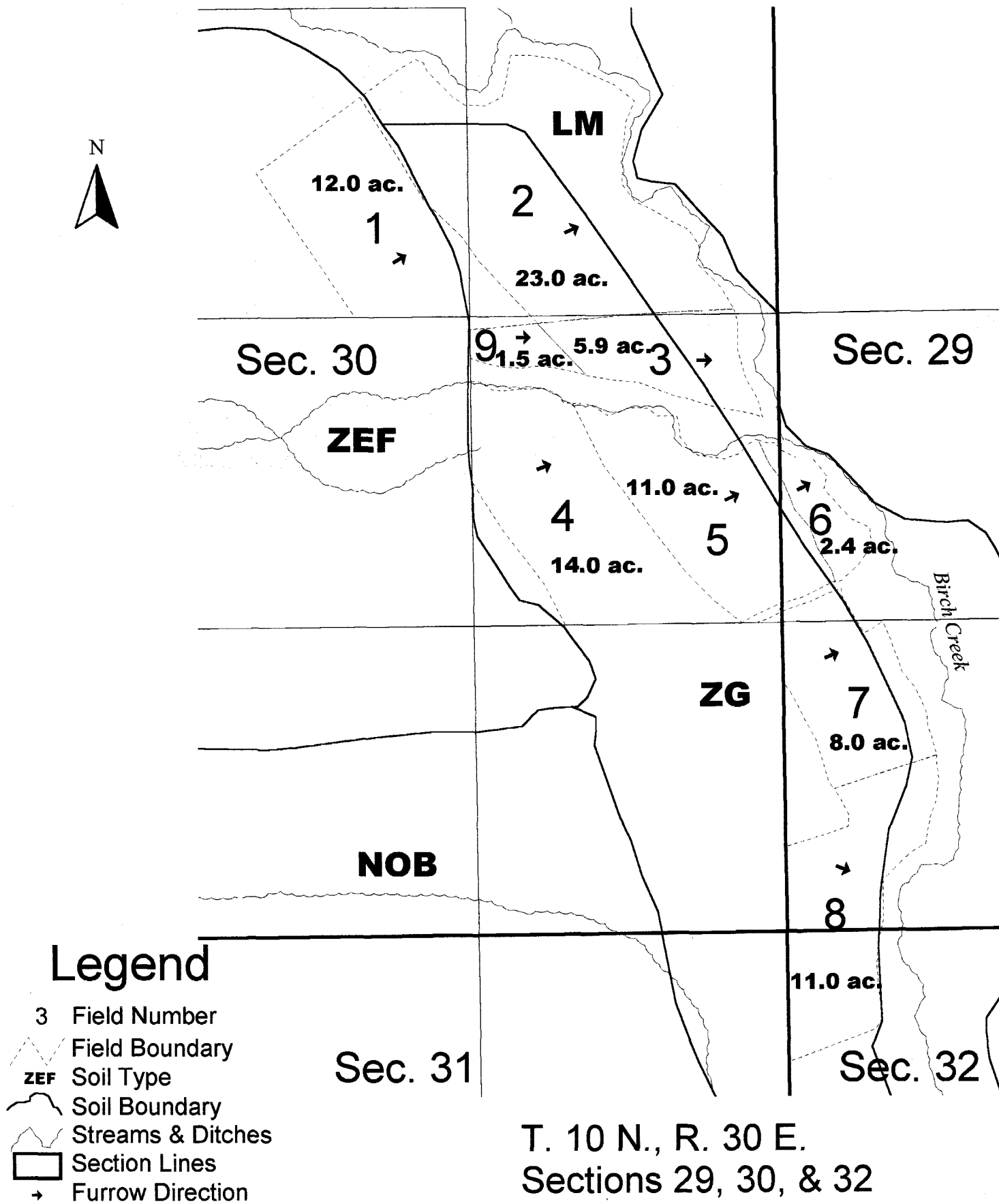
4.3

0.5

14.0

4.3

Water Right Nos. 32-00088 & 32-10315



The Wagoner delivery ditch splits into 3 branches shortly before it reaches the property. The conveyance loss was calculated by including all three of the branches, rather than a branch at a time.

This approach assumes that there are times when all the delivery amount goes to all the fields at once, as opposed to all the water going to a group of fields, then going to another group, & so on. This approach would allow for the larger amount of conveyance loss.

M. Pape

7/20/99

32-00088 Mac Wagon
32-10315

FIELD IRRIGATION REQUIREMENT

Initials: CB Claimant = Wagoner
date: 07/28/99 Weather Station = Dubois/Howe

Field No.	crop	acres	irrig. system	eff. (%)	Monthly ET (mm/day)										AVE IR season (mm/yr)	net irrig. app. (in)	ET ratio	irrig. freq. (days)	Gross Irrigation Application (peak period ET/eff. in mm/day)										season (mm/yr)
					mar	apr	may	jun	jul	aug	sep	oct	mar	apr					may	jun	jul	aug	sep	oct					
1	past	12	cor	31					6.35				1.78	1.12	6.4			22.94											
2	past	23	cor	20					6.35				0.94	1.14	3.3			36.20											
3	past	5.9	cor	20					6.35				0.94	1.14	3.3			36.20											
4	past	14	cor	35					6.35				1.43	1.13	5.1			20.50											
5	past	11	cor	34					6.35				1.43	1.13	5.1			21.10											
6	past	2.4	cor	15					6.35				0.94	1.14	3.3			48.26											
7	past	8	cor	23					6.35				0.94	1.14	3.3			31.47											
8	past	11	cor	22					6.35				0.94	1.14	3.3			32.90											
9	past	1.5	cor	29					6.35				1.43	1.13	5.1			24.74											
Summary																										29.36			

Peak Gross Irrigation Application (mm/day) = 29.36
On-Farm Irrigation Requirement (cfs/acre) = 0.049
Total On-Farm Irrigation Requirement (cfs) = 4.31
Irrigation Diversion Volume (ft/yr) = 0.00
Total Irrigation Diversion Volume (ac-ft/yr) = 0

$$89.6 \times .05 = 4.48$$

$$\frac{2.34}{6.82} = \text{combined limit}$$

$$\frac{4.31}{2.34} = 1.84$$

$$\frac{6.65}{6.65} = 1.00$$

R32-00088 1.00 cfs 89.6 ac/yr
R32-10315 5.82 cfs 89.6 ac/yr

FIELD NUMBER	INTAKE FAMILY	DESIGN APPLIC. Inches	FURROW SLOPE Ft/Ft	FURROW SPACING Feet	FURROW LENGTH Feet	INFLOW RATE Gpm	APPROXIMATE INFLOW TIME Hours	ADVANCE TIME Minutes	GROSS IRRIGATION	NET IRRIGATION	RUNOFF Inches	DEEP PERC. In.	IRRIGATION EFFICIENCY %
									APPLICATION Inches	APPLICATION Inches			
1	0.70	1.78	.022	2.00	550	5.5	12	57.3	5.77	5.15	0.41	3.58	30.82 *
	0.70	1.78	.022	2.00	550	4.5	24	72.2	9.45	8.57	0.65	7.01	18.84
2	0.55	0.94	.021	2.00	800	6.5	12	92.4	4.69	4.14	0.28	3.48	20.03 *
	0.55	0.94	.021	2.00	800	5.0	24	129.1	7.22	6.77	0.12	6.16	13.02
3	0.55	0.94	.017	2.00	750	6.0	12	100.0	4.62	4.12	0.19	3.49	20.35 *
	0.55	0.94	.017	2.00	750	5.0	24	128.6	7.70	6.89	0.48	6.28	12.21
4	0.55	1.43	.031	2.00	500	3.5	12	54.9	4.04	3.80	0.10	2.52	35.38 *
	0.55	1.43	.031	2.00	500	3.0	24	65.6	6.93	6.32	0.46	5.04	20.64
5	0.55	1.43	.023	2.00	550	4.0	12	68.5	4.20	3.90	0.11	2.66	34.05 *
	0.55	1.43	.023	2.00	550	3.5	24	81.2	7.35	6.54	0.62	5.30	19.46
6	0.55	0.94	.023	2.00	150	3.0	12	8.8	11.55	3.99	7.54	3.07	8.14 15.0 Min. *
	0.55	0.94	.023	2.00	150	3.0	24	8.8	23.10	6.65	16.44	5.72	4.07
7	0.55	0.94	.030	2.00	500	3.5	12	55.9	4.04	3.81	0.09	3.01	23.25 *
	0.55	0.94	.030	2.00	500	3.0	24	67.0	6.93	6.33	0.45	5.54	13.56
8	0.55	0.94	.043	2.00	400	3.0	12	35.2	4.33	3.72	0.52	2.87	21.70 *
	0.55	0.94	.043	2.00	400	3.0	24	35.2	8.66	6.29	2.30	5.42	10.85
9	0.55	1.43	.017	2.00	350	3.0	12	42.9	4.95	3.93	0.90	2.62	28.89 *
	0.55	1.43	.017	2.00	350	3.0	24	42.9	9.90	6.67	3.13	5.34	14.45

7/28/99
CB

Field 1

Avg. slope = 2.29%

Area = 12 ac.

Soil types: ZEF - 11 ac 88% (39%)

ZG - 1.5 ac 12% 43%

MAD $\Rightarrow$

ZEF - 1.78

IF = 0.70 — Worst case!

ZG - 1.43

$$IF = 0.55$$

Efficiency = 39%

Field 2

Avg. furrow length = 800 ft

Avg. slope = 2.190

Area = 23 ac.

Crop type = grass / pasture hay

Soil types: 2G - 11 ac 50% (38%)

LM - 11 ac 50% (25%)

~~ZEF - 0.2 ac 190~~

MAD $\Rightarrow$

ZG - 1.43

$$IF = 0.55$$
 $LM = 0.94$
$$IF = 0.55$$

- Worst case!

$$\text{Efficiency} = 25\%$$

Field 3

Avg. furrow length = 750 ft

1153
1158
1186

728
745
750

Avg. slope = 1.7%

1.5
1.2%

Area = 5.9 ac

Crop type - grass / pasture hay

Soil types: ZG - 3.5 ac 59% (39%)

LM - 2.4 ac 41% (25%)
5.9

MAD $\Rightarrow$

ZG - 1.43

IF = 0.55

LM - 0.94

IF = 0.55 - Worst case!

Efficiency = 25%

Field 4

Avg. furrow length = 500 ft

535
519
533

Avg. slope = 3.1%

3.4%
3.1%
3.7%

Area = 14 ac.

Crop type - grass / pasture hay

Soil types: ZG - 14 ac. (44%)

MAD $\Rightarrow$

ZG - 1.43

IF = 0.55

Efficiency = 44%

Field 5

Avg. furrow length = 550 ft.

592
552
408
2.3%
2.3
2.2

Avg. slope = 2.3%

Area = 11 ac.

Crop type - grass/pasture hay

Soil types: ZG - 11 ac. 93% (43%)

~~LM - 0.8 ac. 7% < 10%~~

MAD ⇒

ZG - 1.43 IF = 0.55

Efficiency = 43%

Field 6

Avg. furrow length = 150 ft.

192
150
106

Avg. slope = 2.3%

Area = 2.4 ac.

Crop type - grass/pasture hay

Soil type: LM - 2.4 ac. 100% (10%)

MAD ⇒

LM - 0.94 IF = 0.55

Efficiency = 10%

Field 7

Avg. furrow length = 500 ft.

Avg. slope = 3.0 %

Area = 8.0 ac.

Crop type - grass / pasture hay

Soil types: ZG - 6.6 ac. 83% (44%)

LM - 1.4 ac. 17% (29%)

487
480
475
3.3 %
2.6
3.2

MAD $\Rightarrow$

ZG - 1.43 IF = 0.55

LM - 0.94 IF = 0.55 - Worst case!

Efficiency = 29%

Field 8

Avg. furrow length = 400 ft

Avg. slope = 4.3 %

Area = 11 ac.

Crop type - grass / pasture hay

Soil types: ZG - 9.5 ac. 86% (41%)

LM - 1.5 ac. 14% (27%)

424
412
359
5.4 %
5.1
2.1

MAD $\Rightarrow$

ZG - 1.43 IF = 0.55

LM - 0.94 IF = 0.55 - Worst case!

Efficiency = 27%

Field 9

Avg. furrow length = 350 ft

313
378
421

Avg. slope = 1.7%

Area = 1.5 ac.

Crop type - grass/pasture hay

Soil types : ZG - 1.5 ac. 100% (36%)

MAD $\Rightarrow$ ZG - 1.43 IF = 0.55

Efficiency = 36%

Total ditch length = 7524.2 meters = 24685.7 ft - 2209.6 ft =
22476.1 ft = 4.3 miles

(2209.6 ft is amount of overlap in 2 legs of ditch
theme)

Upper leg of ditch to Fields 1 & 2 $\Rightarrow$ length = 875 ft from meas.
point to field

Middle leg of ditch to Field 3 $\Rightarrow$ 1335 ft from intersection with
upper leg to field

Lower leg of ditch to Fields 4-8 $\Rightarrow$ 11017 ft of the total 4.3 mile
length

Ditch is ZEF soil - use 3.0 ft/day seepage rate $\Rightarrow$ loss = 2.34 ds

Est. CU and CIR.		Dubols Exp. Station		(Allen & Brockway, 1983)								mm/day and mm/season	
MO	NYRS	PREC	EIR	ALFH.	SILGE	PEAS	POTAT	SGRAN	WGRAN	PAST.	ORCHD		
AVE ET	3	49	.70	.66									
AVE IR	3	49	97.96	.48									
STDD ET	3	49	.52										
STDD IR	3	49	97.96	.84									
SKWE ET	3	49	1.43										
SKWE IR	3	49	97.96										
AVE ET	4	49	.88	3.83									
AVE IR	4	49	100.00										
STDD ET	4	49	.67	.60									
STDD IR	4	49	100.00										
SKWE ET	4	49	1.34	.22									
SKWE IR	4	49	100.00										
AVE ET	5	49	1.44	5.59	1.68	1.80	1.68	1.72	5.31	3.90	2.40		
AVE IR	5	49	100.00		.95	1.10	1.10	1.04	4.39	3.04	1.62		
STDD ET	5	49	1.00	.56	.43	.17	.18	.17	.53	.35	.24		
STDD IR	5	49	100.00		.86	.57	.54	.52	.92	.79	.63		
SKWE ET	5	49	1.34	.38	.38	.38	.38	.38	.38	.38	.38		
SKWE IR	5	49	100.00		.30	.64	.58	.64	.17	.33	.55		
AVE ET	6	49	1.86	7.13	6.39	4.98	2.92	5.03	7.13	5.49	4.81		
AVE IR	6	49	100.00		5.01	3.88	2.11	3.95	5.79	4.24	3.61		
STDD ET	6	49	1.31	.54	.17	.38	.22	.38	.54	.42	.37		
STDD IR	6	49	100.00		1.16	.73	.65	.92	1.18	1.04	.97		
SKWE ET	6	49	2.41	.32	.31	.31	.31	.31	.32	.31	.31		
SKWE IR	6	49	100.00		.86	.90	1.07	.88	.76	.90	.97		
AVE ET	7	49	.83	7.95	6.54	5.58	6.40	7.91	7.95	6.12	6.68		
AVE IR	7	49	97.96	.35	5.93	4.74	5.96	7.34	7.35	5.55	6.10		
STDD ET	7	49	.73		.23	.24	.28	.35	.35	.27	.29		
STDD IR	7	49	97.96		.69	.60	.58	.71	.75	.65	.68		
SKWE ET	7	49	2.11	-.02	-.02	-.02	-.01	-.02	-.02	-.03	.01		
SKWE IR	7	49	97.96		1.09	1.15	1.07	.90	.96	1.08	1.05		
AVE ET	8	49	.87	6.22	4.65	5.91	5.07	5.25	4.23	4.79	5.28		
AVE IR	8	49	100.00		4.09	3.32	4.64	4.74	4.23	4.24	4.72		
STDD ET	8	49	.80	.33	.25	.08	.27	.28	.23	.26	.28		
STDD IR	8	49	100.00		.67	.74	.42	.64	.61	.66	.70		
SKWE ET	8	49	1.52	-.09	-.07	-.07	-.08	-.08	-.07	-.06	.08		
SKWE IR	8	49	100.00		1.05	.99	.95	.99	1.05	1.03	1.01		
AVE ET	9	49	.91	4.53	2.42	3.91	3.22	.97	3.49	3.85			
AVE IR	9	49	93.88		1.93	3.39	2.83	.59	2.98	3.35			
STDD ET	9	49	.81	.45	.24	.24	.32	.10	.34	.38			
STDD IR	9	49	93.88		.59	.72	.55	.41	.67	.71			
SKWE ET	9	49	1.49	-.70	-.70	-.70	-.70	-.70	-.70	-.70			
SKWE IR	9	49	93.88		.65	.48	.46	.90	.52	.49			
AVE ET	10	49	.82	2.89	.86				2.23	2.25			
AVE IR	10	49	95.92		.46				1.81	1.83			
STDD ET	10	49	.69	.39	.12				.30	.30			
STDD IR	10	49	95.92		.41				.54	.54			
SKWE ET	10	49	1.68	-.57	-.57				.57	.57			
SKWE IR	10	49	95.92		.85				.45	.45			
AVE ET	SE	46	208.3	1190.	774.	426.	592.	642.	837.	837.	775.		
AVE IR	SE	46	0.0	0.	641.	344.	512.	544.	697.	697.	651.		
STDD ET	SE	46	61.9	54.	30.	18.	24.	24.	32.	32.	28.		
STDD IR	SE	46	0.0	0.	64.	47.	46.	54.	64.	64.	59.		
SKWE ET	SE	46	.50	.80	.36	.54	.35	.35	.32	.32	.05		
SKWE IR	SE	46			-.21	-.36	-.44	-.35	.03	.04	-.16		

80th Percentile Values of Monthly ET (mm/day)

Station:

Dubois

	ETR	ALFH	ALFS	BEANS	F CRN	SILGE	S CRN	PEAS	POTAT	SBEET	SGRAN	WGRAN	PAST	ORCHD	VEGES	ONION	HOPS
March													0.00				
March													0.00				
March	0.00	U	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
April		S											1.30				
April		E											0.20				
April	0.00	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.00	0.00	0.00	0.00
May		T											3.90				
May		R											0.39				
May	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.23	0.00	0.00	0.00	0.00
June		F											5.49				
June		O											0.42				
June	0.00	R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.84	0.00	0.00	0.00	0.00
July		A											6.12				
July		L											0.27				
July	0.00	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.00	0.00	0.00	0.00
August		A											4.79				
August		L											0.26				
August	0.00	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.01	0.00	0.00	0.00	0.00
September		A											3.49				
September													0.34				
September	0.00	H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.78	0.00	0.00	0.00	0.00
October		A											2.23				
October		Y											0.30				
October	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.48	0.00	0.00	0.00	0.00

ET and standard deviation data (AVE ET and STDD ET) taken from Appendix E (unpublished) of Brockway, C.E., and R.G. Allen, 1983. Estimating Consumptive Irrigation Requirements for Crops in Idaho, Idaho Water and Energy Resources Research Institute.

80th Percentile ET values (80PCT ET) calculated based on Waipole, R.E., and R.H. Meyers, 1985, third edition, PROBABILITY AND STATISTICS FOR ENGINEERS AND SCIENTISTS, New York: Macmillan Publishing Company, pp. 132-144 and 574.

80th Percentile Values of Monthly ET (mm/day)

Station:

Howe

	ETR	ALFH	ALFS	BEANS	F CRN	SILGE	S CRN	PEAS	POTAT	SBEET	SGRAN	WGRAN	PAST	ORCHD	VEGES	ONION	HOPS
March																	
March																	
March	0.00	U	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
April		S															
April		E											1.82				
April	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00
April		E											1.98				
May		T											4.57				
May		R											0.28				
May	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.81	0.00	0.00	0.00	0.00
June		F											5.77				
June		O											0.34				
June	0.00	R	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.06	0.00	0.00	0.00	0.00
July		A											6.15				
July		L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00
July	0.00	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.00	0.00	0.00	0.00
August		A											4.82				
August		L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00
August	0.00	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.03	0.00	0.00	0.00	0.00
September		A											3.42				
September		H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37				
September	0.00	A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.73	0.00	0.00	0.00	0.00
October		Y											2.14				
October													0.28				
October	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	0.00	0.00	0.00

ET and standard deviation data (AVE ET and STDD ET) taken from Appendix E (unpublished) of Brockway, C.E., and R.G. Allen, 1983, Estimating Consumptive Irrigation Requirements for Crops in Idaho, Idaho Water and Energy Resources Research Institute.

80th Percentile ET values (80PCT ET) calculated based on Walpole, R.E., and R.H. Meyers, 1985, third edition, PROBABILITY AND STATISTICS FOR ENGINEERS AND SCIENTISTS, New York: Macmillan Publishing Company, pp. 132-144 and 574.

SOIL CHARACTERISTICS

initials:

CB

date:

"7/16/99

(LM)

Soil Type = Lesbut-Mooretown Complex, Lesbut-Gravelly Loam
Source of Soils Data = Printout From the Idaho Falls SCS Office

soil depth (inches)	AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)		intake family	
	upper	lower	upper	lower	upper	lower		upper	lower	flood	furrow
0	3	0.11	0.15	6.6	7.3	1	2	1	1.28	2	0.55
3	10	0.09	0.15	6.6	7.8	1	2	2	1.58		
10	60	0.01	0.04	7.4	7.8	0	0.5	3	1.88		
								4	2.18	alternate	
								5	2.48	method	
										#N/A	#N/A

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (inches)
alfalfa (hay or seed)	5	0.5	1.24
corn (field or silage)	4	0.5	1.09
grain (winter or spring)	4	0.5	1.09
pasture (or grass hay)	3	0.5	0.94
other (enter below)			

CONVEYANCE LOSS - WORSTELL

NAME OF DITCH: WAGONER DELIVERY DITCH BY: MP

DATE: 07/14/99

REACH	LENGTH (FT)	AVE WIDTH (FT)	SEEPAGE (FT/DAY)	WORSTELL LOSS (CFS)	DELIVERY (CFS)	DELIVERY LEFT (CFS)	LOSS FACTOR	DELIVERY LOSS (CFS)	FLOW (CFS)
1	20859	2.5	3.00	1.98	0.00	0.00	0.0000	0.00	2.34
2	875	2.5	3.00	0.08	0.00	0.00	0.0000	0.00	0.36
3	1335	2.5	3.00	0.13	0.00	0.00	0.0000	0.00	0.28
4	1617	2.5	3.00	0.15	0.00	0.00	0.0000	0.00	0.15
5				0.00		0.00	0.0000	0.00	0.00
6				0.00		0.00	0.0000	0.00	0.00
7				0.00		0.00	0.0000	0.00	0.00
8				0.00		0.00	0.0000	0.00	0.00
9				0.00		0.00	0.0000	0.00	0.00
10				0.00		0.00	0.0000	0.00	0.00
11				0.00		0.00	0.0000	0.00	0.00
12				0.00		0.00	0.0000	0.00	0.00
13				0.00		0.00	0.0000	0.00	0.00
14				0.00		0.00	0.0000	0.00	0.00
15				0.00		0.00	0.0000	0.00	0.00
16				0.00		0.00	0.0000	0.00	0.00
17				0.00		0.00	0.0000	0.00	0.00
18				0.00		0.00	0.0000	0.00	0.00
19				0.00		0.00	0.0000	0.00	0.00
20				0.00		0.00	0.0000	0.00	0.00
TOTALS	24686			2.34	0.00			0.00	

REACH = SECTION OF CHANNEL

LENGTH = LENGTH OF REACH, THE CHANNEL CAN BE DIVIDED INTO EQUAL LENGTH REACHES
OR ACTUAL LENGTHS BETWEEN DELIVERY POINTS

AVE WIDTH = AVERAGE TOP WIDTH OF WATER SURFACE IN REACH

SEEPAGE = SOIL SEEPAGE RATE OF REACH

WORSTELL LOSS = CONVEYANCE LOSS IN REACH BASED ON WORSTELL METHOD

DELIVERY = TOTAL DELIVERIES IN REACH

DELIVERY LEFT = SUM(DELIVERIES OF CURRENT AND REMAINING REACHES)

LOSS FACTOR = WORSTELL LOSS/DELIVERY LEFT

DELIVERY LOSS = SUM(LOSS FACTORS OF CURRENT AND PREVIOUS REACHES) X DELIVERY;

REPRESENTS THE LOSSES ASSIGNED TO THE DELIVERIES IN THE REACH;

IF MULTIPLE RIGHTS WITHIN REACH, DELIVERY LOSSES SHOULD BE

PRORATED BASED ON SIZE OF DELIVERY FOR EACH RIGHT WITHIN REACH

FLOW = TOTAL FLOW AT BEGINNING OF EACH REACH

Entire ditch is soil type ZEF. Seepage rate of 3.0 was chosen because soil description at 1 ft. depth (depth of ditch) seemed to fit between gravelly sandy soils (2-2.5), porous sandy soils (2.5-3), & very gravelly soils (3-6). No deliveries are entered here because both water rights cover the entire place of use, so the conveyance loss doesn't need to be distributed between WR's.

M. Pape
7/14/99

SOIL CHARACTERISTICS initials: MP date: July 13, 1999

(26)

Soil Type = Zer gravelly loam (259)
Source of Soils Data = Printout From Idaho Falls NRCS Office

soil depth (inches)	AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)		intake family	
	lower	upper	lower	upper	lower	upper		lower	upper	flood	furrow
0		5		7.4		1	2	1	1.55	2	0.55
5		14						2	2.35		
14		26						3	2.86		
26		60						4	3.34	alternate	
								5	3.82	method	
										#N/A	#N/A

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (inches)
alfalfa (hay or seed)	5	0.5	1.91
corn (field or silage)	4	0.5	1.67
grain (winter or spring)	4	0.5	1.67
pasture (or grass hay)	3	0.5	1.43
other (enter below)			

SOIL CHARACTERISTICS

initials:

MP

date: July 13, 1999

(ZEF)

Soil Type = Zeale-Meegero complex (243)
Source of Soils Data = Printout From Idaho Falls NRCS Office

soil depth (inches)	AWC (in/in)		PH		organic (%)		soil depth (ft)	AWC (inches)		intake family	
	upper	lower	upper	lower	upper	lower		1	2	3	4
0	9	0.09	0.19	7.4	8.4	2	4	1.52	2.54	3	0.7
9	60	0.05	0.12					3.56	4.58	alternate	
								5.60	method		
								#N/A	#N/A	#N/A	

Management Allowed Deficit (MAD)

crop	root depth (ft)	stress point	MAD (inches)
alfalfa (hay or seed)	5	0.5	2.80
corn (field or silage)	4	0.5	2.29
grain (winter or spring)	4	0.5	2.29
pasture (or grass hay)	3	0.5	1.78
other (enter below)			

To: Linda B. R. D
208-327-7866

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--					Liquid limit	Plas- ticity index
			Unified	RASHTO	>10 inches	3-10 inches	sieve number--						
							4	10	40	200			
In					Pct	Pct					Pct		
242: Yearian-----	0-2	Very stony loam	GC-GM, SC-SM	A-2, A-4	5-10	10-30	50-75	45-70	35-55	25-45	20-30	5-10	
	2-12	Very cobbly loam	GC, GC-GM	A-2, A-4	0-5	30-50	50-70	45-65	40-60	30-50	25-35	5-15	
	12-60	Very gravelly loam, very gravelly sandy loam, extremely gravelly sandy loam	GC-GM	A-2	0-10	0-15	20-55	15-50	5-40	0-35	20-30	5-10	
243: Zeale-----	0-9	Gravelly loam	GM, ML	A-6	0-5	0-5	55-80	50-75	40-70	35-60	35-45	10-15	
	9-60	Extremely gravelly sandy loam, very gravelly loam, extremely cobbly loam	GM	A-2	0-5	5-60	25-50	20-50	10-40	10-35	35-40	10-15	
	0-18	Loam	CL-ML	A-4	0	0	75-90	75-90	55-80	50-75	25-30	5-10	
244: Zeale-----	10-19	Gravelly loam, gravelly silt loam	CL-ML, GC-GM, SC-SM	A-2, A-4	0	0-5	55-75	50-70	35-60	30-55	25-35	5-10	
	19-29	Very gravelly loam, extremely gravelly loam cobbly loam, extremely gravelly loam, extremely cobbly sandy loam	GC	A-2, A-6	0	5-40	15-60	15-55	10-50	10-45	30-40	10-15	
	29-60	Extremely cobbly loam, extremely gravelly loam, extremely cobbly sandy loam	GC, GC-GM	A-2	0	45-65	30-60	25-50	20-40	20-35	25-35	5-15	
244: Zeale-----	0-9	Gravelly loam	GM, ML	A-6	0-5	0-5	55-80	50-75	40-70	35-60	35-45	10-15	
	9-60	Extremely gravelly sandy loam, very gravelly loam, extremely cobbly loam	GM	A-2	0-5	5-60	25-50	20-50	10-40	10-35	35-40	10-15	

→ ZEF
243:
Zeale

very gravelly - 3-6
porous sandy - 2.5-3

gravelly sandy - 3-3.5

Continued *Chemical props.*

	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	in	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Biglost-----	0-5	13-20	---	6.6-7.8	0	0	0	0
	5-26	13-20	---	6.6-7.8	0	0	0	0
	26-60	0.0-3.0	---	6.6-7.8	0	0	0	0
239:								
Wiskisprings-----	0-8	15-25	---	6.6-7.3	0	0	0	0
	8-49	13-20	---	6.6-7.8	0	0	0	0
	49-54	11-20	---	6.6-7.8	0	0	0	0
	54-60	1.0-7.0	---	6.6-7.8	0	0	0	0
Biglost-----	0-5	13-20	---	6.6-7.8	0	0	0	0
	5-26	13-20	---	6.6-7.8	0	0	0	0
	26-60	0.0-3.0	---	6.6-7.8	0	0	0	0
Copperbasin-----	0-5	9.0-15	---	7.4-7.8	0	0	0	0
	5-25	8.0-9.0	---	7.4-7.8	0	0	0	0
	25-33	2.0-8.0	---	6.6-7.8	0	0	0	0
	33-60	2.0-7.0	---	6.6-7.8	0	0	0	0
240:								
Xeric Torrifluvents--	0-3	---	---	7.4-8.4	---	---	0.0-2.0	---
	3-35	---	---	7.4-8.4	---	---	0.0-4.0	---
	35-60	---	---	---	---	---	0	---
241:								
Yearian-----	0-2	14-25	---	6.6-7.3	0	0	0	0
	2-12	10-20	---	6.6-7.8	0	0	0	0
	12-60	2.0-15	---	6.6-7.8	0	0	0	0
242:								
Yearian-----	0-2	14-25	---	6.6-7.3	0	0	0	0
	2-12	13-25	---	6.6-7.8	0	0	0	0
	12-60	8.0-20	---	6.6-7.8	0	0	0	0
243:								
Zeale-----	0-9	15-20	---	7.4-8.4	15-45	0	0	0
	9-60	15-20	---	7.9-9.0	40-80	0	0.0-2.0	0-5
Meegero-----	0-10	11-15	---	6.6-7.3	0-10	0	0	0
	10-19	12-20	---	6.6-7.3	20-30	0	0	0
	19-29	15-20	---	7.4-8.4	35-45	0	0.0-2.0	0
	29-60	9.0-20	---	7.9-9.0	40-60	0	0.0-2.0	0-2
244:								
Zeale-----	0-9	15-20	---	7.4-8.4	15-45	0	0	0
	9-60	15-20	---	7.9-9.0	40-80	0	0.0-2.0	0-5
Meegero-----	0-10	11-15	---	6.6-7.3	0-10	0	0	0
	10-19	12-20	---	6.6-7.3	20-30	0	0	0
	19-29	15-20	---	7.4-8.4	35-45	0	0.0-2.0	0
	29-60	9.0-20	---	7.9-9.0	40-60	0	0.0-2.0	0-2
245:								
Zeale-----	0-9	15-20	---	7.4-8.4	15-45	0	0	0
	9-60	15-20	---	7.9-9.0	40-80	0	0.0-2.0	0-5
Zeelnot-----	0-10	15-20	---	6.6-7.8	0	0	0	0
	10-24	10-30	---	7.4-8.4	20-40	0	0.0-2.0	0-5
	24-32	15-25	---	7.4-8.4	40-45	0	0.0-4.0	5-10
	32-60	20-35	---	7.4-8.4	40-50	0	0.0-2.0	0-5

ZEF
→

The soils--Continued **Physical**

Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility index
									K _w	K _f	T group	
In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
239: Wiskingsprings-----												
0-8	---	---	16-25	1.20-1.35	0.60-2.00	0.17-0.19	0.0-2.9	2.0-3.0	.49	.55	4	48
8-49	---	---	18-25	1.20-1.35	0.60-2.00	0.17-0.19	0.0-2.9	1.0-2.0	.43	.43		
49-54	---	---	16-25	1.25-1.40	0.60-2.00	0.13-0.14	0.0-2.9	0.5-1.0	.24	.43		
54-60	---	---	2-10	1.40-1.60	20.00-20.00	0.03-0.04	0.0-2.9	0.0-0.5	.05	.20		
Biglost-----												
0-5	---	---	12-17	1.30-1.45	0.60-2.00	0.18-0.20	0.0-2.9	2.0-3.0	.37	.43	3	85
5-26	---	---	12-17	1.30-1.45	0.60-2.00	0.18-0.20	0.0-2.9	1.0-3.0	.37	.43		
26-60	---	---	0-5	1.50-1.65	20.00-20.00	0.02-0.03	0.0-2.9	0.0-1.0	.05	.20		
Copperbasin-----												
0-5	---	---	10-15	1.30-1.45	2.00-6.00	0.07-0.09	0.0-2.9	1.0-2.0	.10	.32	5	8
5-25	---	---	8-12	1.25-1.40	6.00-20.00	0.04-0.05	0.0-2.9	0.5-2.0	.05	.17		
25-33	---	---	2-8	1.40-1.60	20.00-20.00	0.02-0.03	0.0-2.9	0.5-1.0	.02	.20		
33-60	---	---	2-8	1.40-1.60	20.00-20.00	0.02-0.03	0.0-2.9	0.0-0.5	.02	.17		
240: Xeric Torrifluvents-----												
0-3	---	---	8-14	1.30-1.45	0.60-2.00	0.16-0.18	0.0-2.9	1.0-2.0	.32	.37	5	86
3-35	---	---	10-16	1.30-1.45	0.60-2.00	0.17-0.19	0.0-2.9	---	.32	.43		
35-60	---	---	---	---	---	0.00-0.00	---	---	---	---		
241: Yearlan-----												
0-2	---	---	12-20	1.10-1.20	0.60-2.00	0.11-0.14	0.0-2.9	3.0-4.0	.15	.43	5	8
2-12	---	---	18-25	1.15-1.35	0.60-2.00	0.07-0.11	0.0-2.9	1.0-3.0	.10	.32		
12-60	---	---	10-20	1.20-1.40	0.60-2.00	0.06-0.11	0.0-2.9	0.5-1.0	.10	.32		
242: Yearlan-----												
0-2	---	---	12-20	1.15-1.20	0.60-2.00	0.11-0.14	0.0-2.9	3.0-4.0	.15	.43	5	8
2-12	---	---	18-25	1.15-1.35	0.60-2.00	0.07-0.11	0.0-2.9	1.0-3.0	.10	.43		
12-60	---	---	10-20	1.20-1.40	0.60-2.00	0.06-0.11	0.0-2.9	0.5-1.0	.10	.32		
243: Zeale-----												
0-9	---	---	15-18	1.20-1.40	0.60-2.00	0.09-0.19	0.0-2.9	2.0-4.0	.20	.37	5	56
9-60	---	---	15-25	1.40-1.55	0.60-2.00	0.05-0.12	0.0-2.9	0.5-2.0	.15	.37		
244: Meegero-----												
0-14	---	---	12-18	1.20-1.40	0.60-2.00	0.14-0.16	0.0-2.9	2.0-4.0	.17	.20	2	56
10-19	---	---	14-22	1.25-1.40	0.60-2.00	0.11-0.14	0.0-2.9	2.0-4.0	.17	.32		
19-29	---	---	16-26	1.35-1.50	0.60-2.00	0.08-0.09	0.0-2.9	0.5-2.0	.10	.37		
29-60	---	---	12-24	1.40-1.55	0.60-6.00	0.04-0.08	0.0-2.9	0.0-0.5	.05	.37		
244: Zeale-----												
0-9	---	---	15-18	1.20-1.40	0.60-2.00	0.09-0.19	0.0-2.9	2.0-4.0	.20	.37	5	56
9-60	---	---	15-25	1.40-1.55	0.60-2.00	0.05-0.12	0.0-2.9	0.5-2.0	.15	.37		
244: Meegero-----												
0-10	---	---	12-18	1.20-1.40	0.60-2.00	0.14-0.16	0.0-2.9	2.0-4.0	.17	.20	2	56
10-19	---	---	14-22	1.25-1.40	0.60-2.00	0.11-0.14	0.0-2.9	2.0-4.0	.17	.32		
19-29	---	---	16-26	1.35-1.50	0.60-2.00	0.08-0.09	0.0-2.9	0.5-2.0	.10	.37		
29-60	---	---	12-24	1.40-1.55	0.60-6.00	0.04-0.08	0.0-2.9	0.0-0.5	.05	.37		

243

To: Cindy

To: Cindy
1-208-327-7866

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
258: Zer-----	0-3	Very cobbly loam	GC, GC-GM	A-2, A-6	0	30-50	50-70	45-70	35-60	30-50	25-35	5-15
	3-27	Very gravelly loam, extremely gravelly loam, extremely gravelly sandy loam	GC-GM, GM	A-1, A-2	0	5-20	25-50	20-45	15-35	10-30	20-30	NP-10
	27-60	Extremely gravelly sand, extremely gravelly loamy sand	GP, GP-GM	A-1	0	5-30	15-30	10-25	5-20	0-10	---	NP
259: Zer-----	0-5	Gravelly loam	CL-ML, GC-GM, ML, GM	A-4	0-5	0-10	55-80	55-75	45-70	35-55	15-25	NP-10
	5-14	Gravelly loam, gravelly silt loam, very gravelly loam	GC-GM, GM	A-2, A-1, A-4	0-30	0-10	35-80	30-75	25-65	20-50	15-25	NP-10
	14-26	Very gravelly sandy loam, extremely gravelly sandy loam	GM, GP-GM	A-1, A-2	0-30	5-35	25-55	20-50	15-45	5-35	15-25	NP-5
	26-60	Very gravelly loamy sand, extremely gravelly sandy loam, extremely gravelly loamy sand	GM, GP-GM	A-1	0-30	5-45	20-45	15-40	10-30	5-15	---	NP
Snowslide-----	0-2	Gravelly loam	GC-GM, CL-ML, GM, ML	A-2, A-4	0-3	0-5	55-75	50-75	30-60	30-55	20-30	NP-10
	2-60	Extremely gravelly loam, extremely gravelly sandy loam, very gravelly sandy loam	GM, GP-GM	A-1	0-3	0-20	15-40	15-35	10-30	5-15	0-14	NP

259:
Zer-----

1-4% Slope

Some chemical properties

#256 has a slope

8 2-15%

effects slope erosion

per Brad Duncan

7/2/99

Chemical

Properties of the Soils--Continued

	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Agarot	0-16	15-20	---	6.6-7.8	0-10	0	0.0-2.0	0
	16-41	15-20	---	7.4-7.8	10-35	0	0.0-2.0	0
	41-58	20-30	---	7.4-7.8	10-15	0	0.0-2.0	0
	58-66	4.0-8.0	---	7.9-8.4	10-15	0	0.0-2.0	0
Adek	0-2	8.0-12	---	7.4-7.8	15-25	0	0.0-2.0	0-5
	2-14	7.0-11	---	7.9-9.0	30-60	0	0.0-4.0	0-7
	14-27	6.0-10	---	7.9-9.0	40-60	0	0.0-4.0	0-7
	27-60	6.0-10	---	8.5-9.0	40-60	0	0.0-4.0	0-7
253: Zer	0-5	9.0-15	---	7.4-8.4	0-5	0	0	0
	5-14	7.0-15	---	7.4-9.0	5-15	0	0.0-2.0	0
	14-26	4.0-10	---	7.9-9.0	30-40	0	0.0-2.0	0
	26-60	2.0-6.0	---	7.9-9.0	15-30	0	0.0-2.0	0
254: Zer	0-7	8.0-15	---	7.4-8.4	0-5	0	0	0
	7-14	7.0-15	---	7.9-9.0	20-35	0	0.0-2.0	0
	14-60	4.0-10	---	7.9-9.0	30-40	0	0.0-2.0	0
255: Zer	0-8	11-24	---	8.5-9.6	5-20	0	8.0-16.0	5-10
	8-43	6.0-17	---	7.9-9.0	15-35	0	4.0-8.0	0-5
	43-60	7.0-14	---	7.9-8.4	15-35	0	2.0-4.0	0-5
256: Zer	0-6	8.0-15	---	7.4-8.4	0-5	0	0	0
	6-26	7.0-15	---	7.4-9.0	5-15	0	0.0-2.0	0
	26-60	4.0-10	---	7.9-9.0	30-40	0	0.0-2.0	0
257: Zer	0-8	11-24	---	8.5-9.6	5-20	0	8.0-16.0	5-10
	8-43	6.0-17	---	7.9-9.0	15-35	0	4.0-8.0	0-5
	43-60	7.0-14	---	7.9-8.4	15-35	0	2.0-4.0	0-5
258: Zer	0-3	15-20	---	7.4-7.8	0-5	0	0.0-2.0	0-5
	3-27	10-15	---	7.9-8.4	20-35	0	0.0-2.0	0-5
	27-60	2.0-6.0	---	7.9-8.4	15-30	0	0.0-2.0	0-5
259: Zer	0-5	8.0-15	---	7.4-8.4	0-5	0	0	0
	5-14	7.0-15	---	7.4-9.0	5-15	0	0.0-2.0	0
	14-26	4.0-10	---	7.9-9.0	30-40	0	0.0-2.0	0
	26-60	2.0-6.0	---	7.9-9.0	15-30	0	0.0-2.0	0
Snowslide	0-2	9.0-15	---	7.4-8.4	0-10	0	0.0-4.0	0-2
	2-60	8.0-14	---	7.4-8.4	15-35	0	8.0-16.0	5-10
260: Zer	0-5	8.0-15	---	7.4-8.4	0-5	0	0	0
	5-14	7.0-15	---	7.4-9.0	5-15	0	0.0-2.0	0
	14-26	4.0-10	---	7.9-9.0	30-40	0	0.0-2.0	0
	26-60	2.0-6.0	---	7.9-9.0	15-30	0	0.0-2.0	0
Snowslide	0-4	9.0-15	---	7.4-8.4	0-10	0	0.0-4.0	0-2
	4-24	5.0-10	---	7.9-8.4	15-35	0	4.0-8.0	5-10
	24-60	8.0-14	---	7.4-8.4	15-35	0	8.0-16.0	5-10

Physical props.

of the Soils--Continued

Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility index	
									Kw	Kf	T group		
In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
256: 2er	0-8	---	---	15-25	1.10-1.25	0.60-2.00	0.08-0.10	0.0-2.9	1.0-2.0	.24	.37	5	56
	8-43	---	---	9-18	1.30-1.50	2.00-6.00	0.04-0.07	0.0-2.9	0.0-0.5	.10	.37		
	43-60	---	---	10-16	1.35-1.50	0.60-6.00	0.07-0.09	0.0-2.9	0.0-0.5	.10	.43		
257: 2er	0-6	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	6-26	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	26-60	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
258: 2er	0-8	---	---	15-25	1.10-1.25	0.60-2.00	0.03-0.06	0.0-2.9	1.0-2.0	.20	.37	5	48
	8-43	---	---	9-18	1.30-1.50	2.00-6.00	0.04-0.07	0.0-2.9	0.0-0.5	.10	.37		
	43-60	---	---	10-16	1.35-1.50	0.60-6.00	0.07-0.09	0.0-2.9	0.0-0.5	.10	.43		
259: 2er	0-3	---	---	16-26	1.35-1.45	0.60-2.00	0.08-0.11	0.0-2.9	1.0-2.0	.15	.37	2	8
	3-27	---	---	12-20	1.40-1.50	0.60-2.00	0.05-0.10	0.0-2.9	0.5-1.0	.10	.43		
	27-60	---	---	2-7	1.50-1.60	6.00-20.00	0.02-0.04	0.0-2.9	0.0-0.5	.05	.43		
Snowslide	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-26	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
Snowslide	0-2	---	---	12-18	1.60-1.65	0.60-2.00	0.11-0.14	0.0-2.9	0.5-1.0	.24	.37	4	8
	2-60	---	---	5-18	1.55-1.60	0.60-2.00	0.01-0.05	0.0-2.9	0.5-1.0	.05	.28		
	260: 2er	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
Snowslide	0-5	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	5-14	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
	26-60	---	---	2-8	1.55-1.65	6.00-20.00	0.03-0.05	0.0-2.9	0.0-0.5	.05	.28		
Snowslide	0-4	---	---	12-18	1.60-1.65	0.60-2.00	0.11-0.14	0.0-2.9	0.5-1.0	.24	.37	4	8
	4-24	---	---	11-15	1.60-1.65	0.60-2.00	0.09-0.11	0.0-2.9	0.5-1.0	.17	.37		
	24-60	---	---	5-18	1.55-1.60	0.60-2.00	0.01-0.05	0.0-2.9	0.5-1.0	.05	.28		
261: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
Snowslide	0-4	---	---	12-18	1.60-1.65	0.60-2.00	0.11-0.14	0.0-2.9	0.5-1.0	.24	.37	4	8
	4-24	---	---	11-15	1.60-1.65	0.60-2.00	0.09-0.11	0.0-2.9	0.5-1.0	.17	.37		
	24-60	---	---	5-18	1.55-1.60	0.60-2.00	0.01-0.05	0.0-2.9	0.5-1.0	.05	.28		
262: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
263: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
264: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
265: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
266: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
267: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
268: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
269: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
270: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
271: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
272: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
273: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
274: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
275: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
276: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
277: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
278: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
279: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
280: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60-6.00	0.10-0.15	0.0-2.9	0.5-1.0	.24	.43		
	14-20	---	---	5-16	1.50-1.65	2.00-6.00	0.03-0.08	0.0-2.9	0.0-0.5	.10	.28		
281: 2er	0-5	---	---	9-18	1.35-1.55	0.60-2.00	0.11-0.16	0.0-2.9	1.0-2.0	.24	.43	2	56
	5-14	---	---	9-18	1.45-1.60	0.60							

Table H. --Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing					Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200			
Leecreek	10				Pct	Pct						Pct	
	0-3	Silt loam	CL-ML, ME	A-4	0	0	90-100	90-100	85-100	60-95	20-30		NP-10
	3-16	Silt loam, gravely silt loam, very gravely silt loam	CL, CL-ML	A-4, A-6	0	0	50-90	50-90	40-75	35-70	20-35		NP-15
	18-60	Extremely gravely loamy sand, extremely gravely loamy coarse sand	GM, GC-GM, GP-GM	A-1, A-2	0	0	25-50	20-40	10-30	5-25	20-25		NP-5
Grandjean	4-6	PT	PT	A-4	0	0							NP
	6-27	PT	PT	A-8	0	0							NP
	27-60	GP	GP	A-1	0-10	0-30	30-40	20-30	5-10	0-5			NP
		coarse sand, extremely gravely loamy coarse sand											
M 1st component	0-3	Gravely loam	GC, GC-GM	A-4, A-6	0	0-10	55-75	50-75	40-65	35-50	25-35		5-15
Lesbut	3-10	Gravely loam, very gravely loam, extremely gravely sandy loam	GC-GM, SM, GM, SC-SM	A-2, A-4	0	10-35	35-75	30-70	30-50	25-45	20-30		NP-10
	10-60	Stratified extremely gravely loamy sand to extremely cobbly coarse sand	GP	A-1	0	15-65	25-45	20-40	10-30	0-5			NP

LM = Lesbut, dry - mooretown complex, 1 to 3% slopes

To: Cindy

Use this data for Lesbut + mooretown soils

327-5450

6 pages

map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensl- bility	Organic matter	Erosion factors			
										Kw	Xf	T	Wind erod- bilty index
120: Lemrol	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-8	---	---	---	---	---	---	---	---	---				
8-15	---	---	---	---	---	---	---	---	---				
15-23	---	---	---	---	---	---	---	---	---				
23-60	---	---	---	---	---	---	---	---	---				
120: Lecresek	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-3	---	---	---	---	---	---	---	---	---				
3-18	---	---	---	---	---	---	---	---	---				
18-66	---	---	---	---	---	---	---	---	---				
120: Grandjean	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-6	---	---	---	---	---	---	---	---	---				
6-27	---	---	---	---	---	---	---	---	---				
27-60	---	---	---	---	---	---	---	---	---				
121: Lesbut	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-3	---	---	---	---	---	---	---	---	---				
3-10	---	---	---	---	---	---	---	---	---				
10-60	---	---	---	---	---	---	---	---	---				
122: Lillylake	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-12	---	---	---	---	---	---	---	---	---				
12-15	---	---	---	---	---	---	---	---	---				
15-60	---	---	---	---	---	---	---	---	---				
122: Grandjean	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-6	---	---	---	---	---	---	---	---	---				
6-27	---	---	---	---	---	---	---	---	---				
27-60	---	---	---	---	---	---	---	---	---				
123: Maltafey	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-12	---	---	---	---	---	---	---	---	---				
12-23	---	---	---	---	---	---	---	---	---				
23-34	---	---	---	---	---	---	---	---	---				
34-61	---	---	---	---	---	---	---	---	---				
123: Copperhain	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-7	---	---	---	---	---	---	---	---	---				
7-14	---	---	---	---	---	---	---	---	---				
14-60	---	---	---	---	---	---	---	---	---				
123: Wiskisprings	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct				
0-8	---	---	---	---	---	---	---	---	---				
8-49	---	---	---	---	---	---	---	---	---				
49-54	---	---	---	---	---	---	---	---	---				
54-60	---	---	---	---	---	---	---	---	---				

properties of the Soils--Continued

Soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
119: Lemroi-----	0-8	13-25	---	7.9-8.4	0-10	0	0	0-5
	8-15	5.0-20	---	7.4-7.8	5-25	0	0	0-5
	15-23	3.0-15	---	7.4-8.4	5-25	0	0	0-5
	23-60	2.0-9.0	---	7.4-8.4	5-15	0	0	0-5
Leecreek-----	0-3	14-25	---	7.4-8.4	15-30	0	0	0
	3-18	5.0-25	---	7.4-8.4	20-35	0	0	0
	18-60	4.0-9.0	---	7.4-8.4	20-35	0	0	0
120: Lemroi-----	0-8	13-25	---	7.9-8.4	0-10	0	0	0-5
	8-15	5.0-20	---	7.4-7.8	5-25	0	0	0-5
	15-23	3.0-15	---	7.4-8.4	5-25	0	0	0-5
	23-60	1.0-9.0	---	7.4-8.4	5-15	0	0	0-5
Leecreek-----	0-3	14-25	---	7.4-8.4	15-30	0	0	0
	3-18	5.0-25	---	7.4-8.4	20-35	0	0	0
	18-60	4.0-9.0	---	7.4-8.4	20-35	0	0	0
Grandjean-----	0-6	100-120	---	5.6-7.3	0	0	0	0
	6-27	135-170	---	5.1-6.5	0	0	0	0
	27-60	5.0-10	---	6.1-7.3	0	0	0	0
LM 121: Lesbut-----	0-3	9.0-15	---	6.6-7.3	0	0	0	0
	3-10	4.0-12	---	6.6-7.8	0-5	0	0	0
	10-60	1.0-4.0	---	7.4-7.8	1-5	0	0	0
122: Lilylake-----	0-12	40-120	---	5.6-6.5	0	0	0	0
	12-15	4.0-9.0	---	6.1-7.3	0	0	0	0
	15-60	0.0-5.0	---	6.1-7.3	0	0	0	0
Grandjean-----	0-6	100-120	---	5.6-7.3	0	0	0	0
	6-27	135-170	---	5.1-6.5	0	0	0	0
	27-60	5.0-10	---	6.1-7.3	0	0	0	0
123: Mahaffey-----	0-12	15-25	---	6.1-7.3	---	---	0.0-2.0	---
	12-23	10-16	---	6.1-7.3	---	---	0.0-2.0	---
	23-34	4.0-11	---	6.1-7.3	---	---	0.0-2.0	---
	34-61	4.0-8.0	---	6.1-7.3	---	---	0.0-2.0	---
Copperbasin-----	0-7	9.0-15	---	6.6-7.8	0	0	0	0
	7-14	8.0-9.0	---	7.4-7.8	0	0	0	0
	14-60	2.0-7.0	---	6.6-7.8	0	0	0	0
Wiskisprings-----	0-8	15-25	---	6.6-7.3	0	0	0	0
	8-49	13-20	---	6.6-7.8	0	0	0	0
	49-54	11-20	---	6.6-7.8	0	0	0	0
	54-60	1.0-7.0	---	6.6-7.8	0	0	0	0
124: Meegernot-----	0-16	15-20	---	6.6-7.8	0-10	0	0.0-2.0	0
	16-41	15-20	---	7.4-7.8	10-35	0	0.0-2.0	0
	41-58	20-30	---	7.4-7.8	10-15	0	0.0-2.0	0
	58-66	4.0-8.0	---	7.9-8.4	10-15	0	0.0-2.0	0

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--					Liquid plas- ticity index	
			Unified	ASHSTO	Pct Inches	Pct Inches	4	10	40	200	Pct	Limit	Index
Dawsonia-----	1A	Very gravely loam	GC-GM, GM	A-2, A-4	0-5	0-25	30-55	25-50	20-50	15-40	25-35	5-10	
	4-12	Very gravely loam, very gravely clay	GC, GC-GM	A-4, A-2, A-6	0-10	0-15	25-50	20-45	15-45	10-40	25-40	5-15	
	12-24	Very gravely loam	GC-GM, GM	A-2, A-4	0-10	0-10	25-50	20-45	15-45	10-40	25-35	5-10	
	24-60	Extremely gravely loam, extremely gravely sandy loam	GM, GE-GM	A-1	0-10	5-20	25-35	15-25	10-25	5-15	15-20	NP-5	
L36: Mooretown-----													
	0-4	Loam	CL-ME	A-4	0	0	85-100	80-100	70-90	60-80	20-30	5-10	
	4-43	Loam, fine sandy loam,	CL-ME, SC-SM	A-4	0	0-5	85-100	80-100	60-80	45-65	20-30	5-10	
	43-60	Sandy loam Stratified fine sandy loam to extremely gravely loamy sand	SC-SM, SM	A-2, A-4	0	0-5	30-95	25-90	10-60	5-50	10-20	NP-5	
Blackfoot-----													
	0-19	Loam	ME	A-4	0	0	95-100	95-100	65-75	55-70	20-35	NP-10	
	19-36	Loam	ME	A-4	0	0	95-100	95-100	65-75	55-70	20-35	NP-10	
	36-60	Sandy loam to silty clay loam	CL, CL-ME	A-4, A-6	0	0	95-100	95-100	75-95	50-70	20-35	5-15	

	Ln	Pct	Pct	Pct	Moist bulk density g/cc	In/hr permea- bility (Ksat)	In/in available water capacity	Pct linear extensi- bility	Pct organic matter	Erosion factors			
										Ks	Kf	T group	Wind erodi- bility index
Mooretown	0-4	---	---	---	12-20 1.10-1.20	0.60-2.00	0.15-0.18	0.0-2.9	2.0-4.0	.37	.43	4	4L
	4-43	---	---	---	10-18 1.15-1.30	0.60-2.00	0.13-0.16	0.0-2.9	1.0-3.0	.32	.43		
	43-60	---	---	---	5-15 1.20-1.40	2.00-6.00	0.12-0.15	0.0-2.9	0.5-1.0	.32	.37		
Blackfoot	0-19	---	---	---	16-22 1.20-1.40	0.60-2.00	0.16-0.18	0.0-2.9	1.0-3.0	.32	.32	5	4L
	19-36	---	---	---	18-26 1.10-1.50	0.60-2.00	0.16-0.18	0.0-2.9	0.5-2.0	.37	.37		
	36-60	---	---	---	16-40 1.10-1.50	0.60-2.00	0.16-0.19	0.0-2.9	0.5-1.0	.32	.32		
Borah	0-4	---	---	---	8-15 1.15-1.25	0.60-2.00	0.16-0.20	0.0-2.9	1.0-3.0	.32	.32	2	5
	4-12	---	---	---	8-15 1.20-1.40	0.60-6.00	0.09-0.12	0.0-2.9	1.0-2.0	.17	.37		
	12-60	---	---	---	1-6 1.30-1.40	20.00-20.00	0.01-0.03	0.0-2.9	0.5-1.0	.10	.15		
Mooretown	0-3	---	---	---	12-20 1.10-1.20	0.60-2.00	0.15-0.18	0.0-2.9	2.0-4.0	.37	.43	3	4L
	3-35	---	---	---	12-18 1.15-1.30	0.60-2.00	0.12-0.15	0.0-2.9	1.0-3.0	.32	.43		
	35-60	---	---	---	5-10 1.20-1.40	6.00-20.00	0.04-0.08	0.0-2.9	0.5-1.0	.10	.37		
Borah	0-2	---	---	---	8-15 1.15-1.30	0.60-2.00	0.05-0.10	0.0-2.9	1.0-3.0	.15	.37	2	7
	2-10	---	---	---	8-15 1.20-1.40	0.60-2.00	0.05-0.10	0.0-2.9	1.0-2.0	.15	.37		
	10-60	---	---	---	1-6 1.20-1.40	20.00-20.00	0.01-0.03	0.0-2.9	0.0-1.0	.05	.20		
Mooretown	0-11	---	---	---	18-24 1.10-1.20	0.60-2.00	0.13-0.20	0.0-2.9	2.0-3.0	.43	.43	3	6
	11-19	---	---	---	30-40 1.15-1.30	0.20-0.60	0.11-0.20	0.0-2.9	1.0-2.0	.37	.37		
	19-60	---	---	---	35-50 1.20-1.40	0.00-0.06	0.13-0.17	0.0-2.9	0.5-1.0	.37	.43		
Mooretown	0-11	---	---	---	18-24 1.10-1.20	0.60-2.00	0.13-0.20	0.0-2.9	2.0-3.0	.43	.43	3	6
	11-19	---	---	---	30-40 1.15-1.30	0.20-0.60	0.11-0.20	0.0-2.9	1.0-2.0	.37	.37		
	19-60	---	---	---	35-50 1.20-1.40	0.00-0.06	0.13-0.17	0.0-2.9	0.5-1.0	.37	.43		
Mooretown	0-6	---	---	---	10-15 1.35-1.45	0.60-2.00	0.14-0.16	0.0-2.9	4.0-6.0	.24	.43	2	8
	6-11	---	---	---	10-15 1.35-1.45	0.60-2.00	0.14-0.16	0.0-2.9	4.0-6.0	.24	.43		
	11-16	---	---	---	12-20 1.40-1.45	0.60-2.00	0.11-0.15	0.0-2.9	3.0-4.0	.20	.49		
	16-19	---	---	---	3-5 1.45-1.55	2.00-6.00	0.02-0.04	0.0-2.9	1.0-2.0	.10	.28		
	19-20	---	---	---	5-10 1.55-1.65	20.00-20.00	0.02-0.04	0.0-2.9	0.0-0.5	.05	.15		
	20-60	---	---	---	10-15 1.35-1.45	0.60-2.00	0.14-0.16	0.0-2.9	4.0-6.0	.24	.43	2	8
	0-5	---	---	---	12-20 1.40-1.45	0.60-2.00	0.11-0.15	0.0-2.9	3.0-4.0	.20	.49		
	5-18	---	---	---	5-10 1.55-1.65	20.00-20.00	0.02-0.04	0.0-2.9	0.0-0.5	.05	.15		
	18-19	---	---	---									
	19-60	---	---	---									

Properties of the Soils--Continued

Soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
132:								
Mitring-----	0-2	15-20	---	7.9-8.4	5-10	0	0.0-4.0	0
	3-10	15-20	---	7.9-8.4	15-20	0	0.0-4.0	0
	10-30	7.0-11	---	7.9-9.0	15-20	0	4.0-8.0	0-5
	30-40	---	---	---	---	---	---	---
Holinrock-----	0-2	10-20	---	7.4-7.8	5-15	0	2.0-4.0	0-5
	2-6	8.0-20	---	7.4-7.8	5-15	0	2.0-4.0	0-5
	6-24	12-20	---	7.9-8.4	15-30	0	2.0-4.0	0-5
	24-29	12-20	---	7.9-8.4	20-35	0	2.0-4.0	0-5
	29-33	---	---	---	---	---	---	---
133:								
Mogg-----	0-9	15-25	---	7.4-8.4	0-10	0	0	0
	9-14	11-20	---	7.4-8.4	15-25	0	0.0-4.0	0
	14-18	---	---	---	---	---	---	---
Dawtonia-----	0-4	11-20	---	6.6-7.8	0	0	0.0-2.0	0
	4-12	15-25	---	7.4-7.8	15-25	0	0.0-2.0	0
	12-24	15-20	---	7.4-8.4	15-30	0	0.0-2.0	0
	24-60	6.0-10	---	7.4-8.4	15-20	0	0.0-2.0	0
134:								
Mooretown-----	0-4	11-24	---	6.6-7.8	0-10	0	0	0
	4-43	8.0-22	---	7.4-8.4	0-15	0	0.0-2.0	0
	43-60	7.0-15	---	7.4-7.8	0	0	0	0
Blackfoot-----	0-19	15-25	---	7.4-8.4	0-15	0	0.0-2.0	0-5
	19-36	15-25	---	7.4-8.4	0-15	0	0.0-2.0	0-5
	36-60	15-35	---	7.4-8.4	0-15	0	0.0-2.0	0-5
Borah-----	0-4	5.0-15	---	7.4-8.4	1-10	0	0.0-2.0	0-5
	4-12	5.0-13	---	7.4-8.4	5-20	0	0.0-2.0	0
	12-60	1.0-4.0	---	7.4-8.4	0-10	0	0.0-2.0	0
135:								
Mooretown-----	0-3	11-25	---	6.6-7.8	5-10	0	0	0
	3-35	9.0-20	---	7.4-8.4	5-15	0	0	0
	35-60	5.0-10	---	6.6-7.8	0	0	0	0
Borco-----	0-2	5.0-15	---	7.4-8.4	0-10	0	0.0-2.0	0-5
	2-10	5.0-13	---	7.4-8.4	3-10	0	0.0-2.0	0-5
	10-60	1.0-4.0	---	7.4-8.4	0-5	0	0.0-2.0	0-5
136:								
Morphey-----	0-11	14-25	---	7.4-7.8	0	0	0	0
	11-19	20-36	---	7.4-7.8	0	0	0.0-2.0	0
	19-60	22-42	---	7.4-8.4	5-20	0	2.0-4.0	0-5
137:								
Morphey-----	0-11	14-25	---	7.4-7.8	0	0	0	0
	11-19	20-36	---	7.4-7.8	0	0	0.0-2.0	0
	19-60	22-42	---	7.4-8.4	5-20	0	2.0-4.0	0-5
138:								
Mountainboy-----	0-6	17-25	---	7.4-7.8	35-60	0	0.0-2.0	0-1
	6-11	17-25	---	7.4-8.4	35-60	0	0.0-2.0	0-1
	11-16	10-20	---	7.4-8.4	50-70	0	0.0-2.0	1-5
	16-19	1.0-5.0	---	8.5-11.0	70-80	0	0.0-2.0	1-5
	19-20	---	---	---	---	---	---	---
	20-60	1.0-5.0	---	8.5-11.0	70-80	0	0.0-4.0	6-10

Cindy

June 2 1999

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Ask for Form 5 by Soil Name

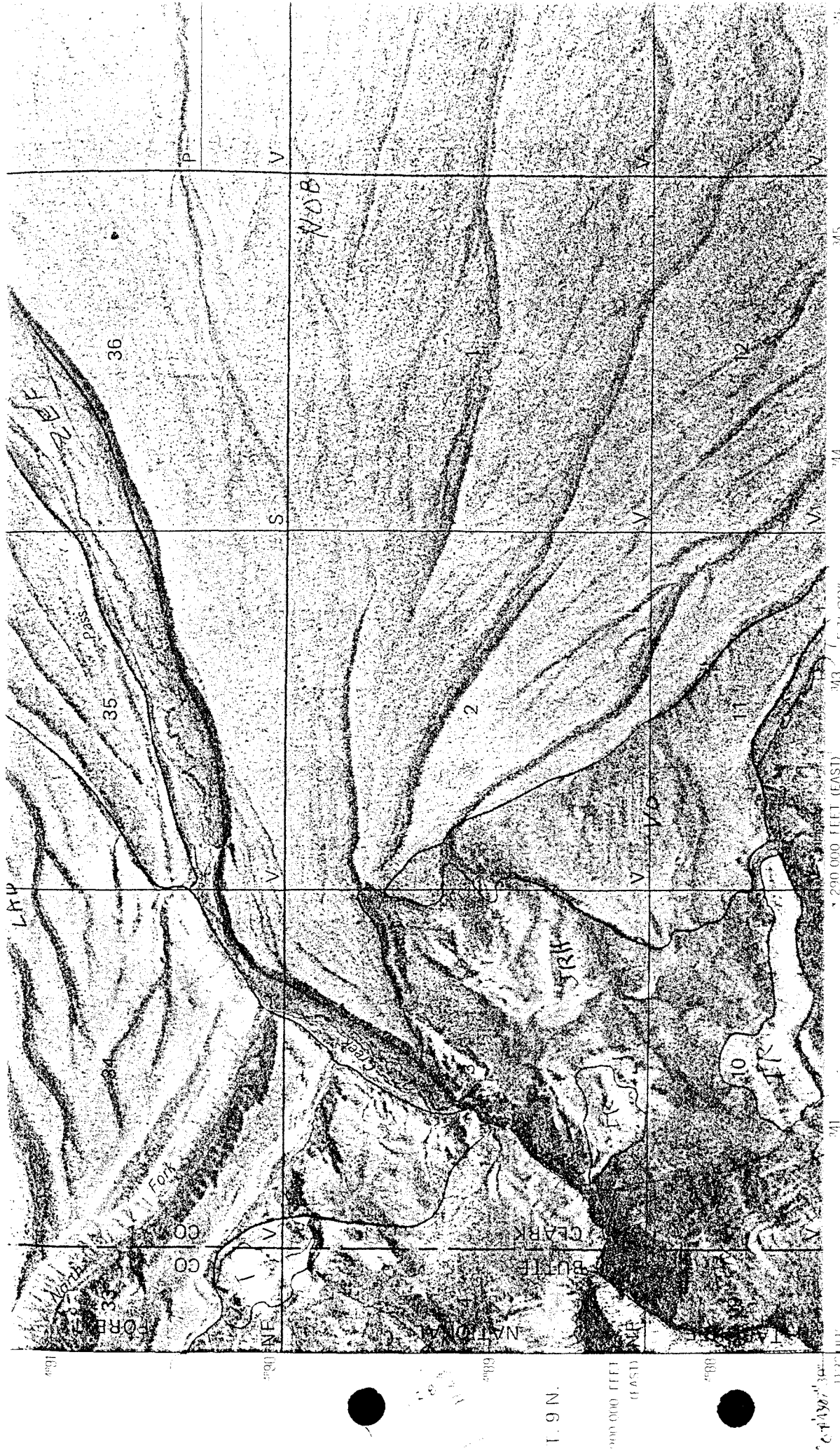
Birch Creek Soil Clerk City
Soil Series - Names and Notes

Record#	symbol	lname
89	248	Simeroi, gravelly loam, dry 5 to 30 percent slopes
90	249	Simeroi complex, 5 to 30 percent slopes
91	436	Zeale-Coalkiln complex, 25 to 90 percent slopes
106	AFB	Paint, dry gravelly loam, 0 to 4 percent slopes
92	AFC	Paint, dry-Fallert complex, 4 to 12 percent slopes
100	BMB	Bonfarm-Malm-Rock Outcrop complex, 1 to 12 percent slopes
72	Dt2	Dickeypeak-Bigrant complex, 1 to 4 percent slopes
87	FAB	Fandow-Arbus complex 2 to 6 percent slopes
56	FAC	Fallert gravelly loam, dry, 2 to 6 percent slopes
83	FWB	Fandow gravelly loam 2 to 6 percent slopes
94	GG	Goosebury complex, 10 to 35 percent slopes
95	IR	Ike-Rock Outcrop-Jimbee association, 10 to 80 percent slopes
96	JRH	Jimbee-Rock Outcrop-Ike association, 10 to 90 percent slopes
64	LAB	Leatherman complex, 5 to 35 percent slopes
73	LM	Lesbut, dry-Mooretown complex, 1 to 3 percent slopes
97	MS	Mogg-Shagel Association, 15 to 60 percent slopes
99	Mb2	Mooretown-Borah complex, 0 to 2 percent slopes
79	MbC	Malm-Bonfarm-Rock Outcrop complex, 1 to 12 percent slopes
82	NK	Nurkey complex, 20 to 40 percent slopes
81	NOB	Nicholia-Goosebury, low ppt. 2 to 6 percent slopes
26	PB	Paint-Bluedome-Simeroi complex, 4 to 12 percent slopes
88	SA1	Sanfelipe-Simeroi complex, 1 to 4 percent slopes
101	SC	Simeroi gravelly loam, cool, 2 to 25 percent slopes
52	SEC	Simeroi gravelly loam, 2 to 4 percent slopes
102	SED	Simeroi gravelly loam, 6 to 15 percent slopes
86	SEW	Simeroi-Whitecloud, cold complex, 2 to 8 percent slopes
85	So1	Sparmo-Zer complex, 1 to 5 percent slopes
69	Sp1	Sparmo silt loam, 1 to 4 percent slopes
70	Sp2	Simeroi-Sparmo complex, 4 to 8 percent slopes
76	T	Travertine Flaggy loam
103	Th1	Thosand-Sancrane complex, 0 to 2 percent slopes
77	Vo	Vo stony loam, 5 to 25 percent slopes (Volcanic) Lab
109	Whi	Whitknob gravelly loam, 0 to 2 percent slopes
84	XHS	Orthids-Rubble Land-Rock Outcrop complex, 50 to 80 percent slopes
107	XHX	Cryoborolls-Rubble land-Rock outcrop complex, 50 to 80 % slopes
74		Zer complex, 1 to 3 percent slopes
105		Zeale-Meegero complex, 2 to 20 percent slopes
27	ZG	Zer gravelly loam, 1 to 4 percent slopes
104	ZGS	Zer stony loam, 4 to 20 percent slopes
78	ZHF	Zeale-Meegero complex, 20 to 60 percent slopes
75	ZL	Zeebar-Latigo complex, 6 to 25 percent slopes
108	ZMK	Meegeronot-Monida complex, 20 to 50 percent slopes

Whitknob gravelly, Low dry 0-2%

FS 1128 Monida-Zeale complex, 4 to 20 percent slopes, FS
From sandstone etc
Soils





Produced by the Geological Survey
in cooperation with the U. S. Forest Service

Aerial photograph prepared from 1:78,000 scale
aerial photograph taken September 23, 1975

Projection: Idaho coordinate system,
east zone (transverse Mercator)
10,000 foot grid ticks based on Idaho coordinate
system, east and central zones
1000 meter Universal Transverse Mercator grid,
zone 12, 1927 North American datum

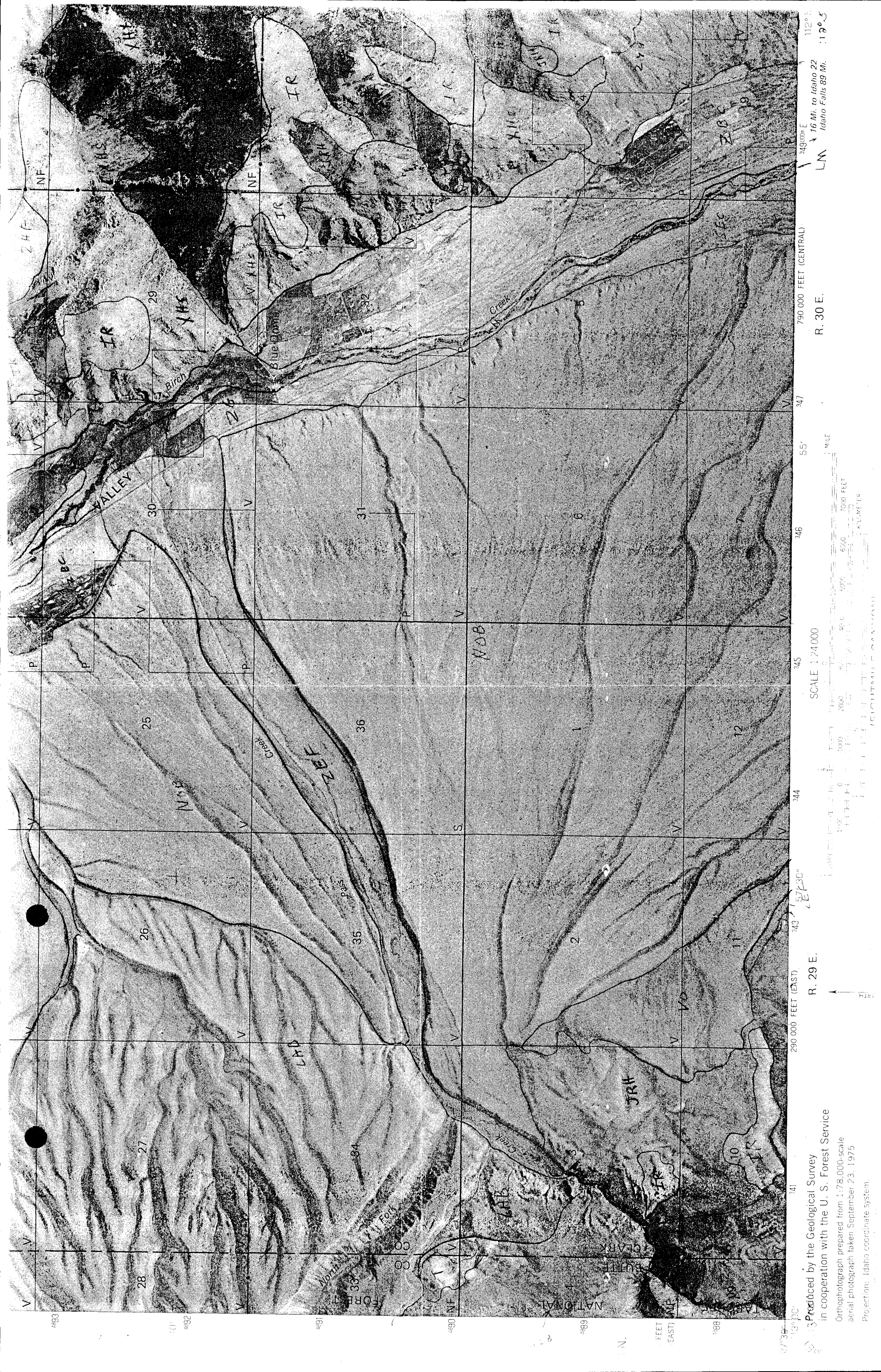
Photomaps rectified by automatic correlation

SCALE 1:24,000

(EIGHTMILE CANYON)

A. LAND NET (GS) - 69
B. LAND STATUS (BLM) - 4/83

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS



Subj: FW: Birch Creek excessive flow review
Date: 6/17/99 4:04:00 PM Mountain Daylight Time
From: JPEPPERS@idwr.state.id.us (Peppersack, Jeff)
To: Marci66@aol.com (Marci66@aol.com')

> —Original Message—

> From: Verner, Eric
> Sent: Thursday, June 17, 1999 3:34 PM
> To: Peppersack, Jeff
> Cc: Verner, Eric
> Subject: RE: Birch Creek excessive flow review

> I'll see if I can get the photos to scan well enough for your use. The
> average ditch depth is 1', width is probably 2.5' at the bottom with a
> square to trapazodal shape. The ditch runs through the bottom of an eroded
> alluvial fan... very coarse gravel/glacial till...

> I'll email you back if I can get good scans of the photos..

> Eric

> —Original Message—

> From: Peppersack, Jeff
> Sent: Wednesday, June 16, 1999 5:33 PM
> To: Verner, Eric
> Subject: RE: Birch Creek excessive flow review

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> Yes, send the ASCS photos to my attention (as an alternative, you
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> average depth from land surface to get an idea of the soil types
> penetrated. I believe you mentioned that the soil was rocky-gravelly
> soil. That may be enough if you don't know the average depth.

> Jeff

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> From: Verner, Eric
> Sent: Wednesday, June 16, 1999 5:01 PM
> To: Peppersack, Jeff
> Cc: Verner, Eric
> Subject: RE: Birch Creek excessive flow review

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To: Peppersack, Jeff
Cc: Carlsen, Ernie
Subject: Birch Creek excessive flow review

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----- Headers -----

Return-Path: <JPEPPERS@idwr.state.id.us>

21,700 ft
4.1 miles
1st PD to property

Birch Creek Soil, Clark Co.
Soil Series - Names and Notes

Record#	symbol	lname
89	248	Simeroi, gravelly loam, dry 5 to 30 percent slopes
90	249	Simeroi complex, 5 to 30 percent slopes
91	436	Zeale-Coalkiln complex, 25 to 90 percent slopes
106	AFB	Paint, dry gravelly loam, 0 to 4 percent slopes
92	AFC	Paint, dry-Fallert complex, 4 to 12 percent slopes
100	BMB	Bonfarm-Malm-Rock Outcrop complex, 1 to 12 percent slopes
72	Dt2	Dickeypeak-Bigrant complex, 1 to 4 percent slopes
87	FAB	Fandow-Arbus complex 2 to 6 percent slopes
56	FAC	Fallert gravelly loam, dry, 2 to 6 percent slopes
83	FWB	Fandow gravelly loam 2 to 6 percent slopes
94	GG	Goosebury complex, 10 to 35 percent slopes
95	IR	Ike-Rock Outcrop-Jimbee association, 10 to 80 percent slopes
96	JRH	Jimbee-Rock Outcrop-Ike association, 10 to 90 percent slopes
64	LAB	Leatherman complex, 5 to 35 percent slopes
73	LM	Lesbut, dry-Mooretown complex, 1 to 3 percent slopes
97	MS	Mogg-Shagel Association, 15 to 60 percent slopes
99	Mb2	Mooretown-Borah complex, 0 to 2 percent slopes
79	MbC	Malm-Bonfarm-Rock Outcrop complex, 1 to 12 percent slopes
82	NK	Nurkey complex, 20 to 40 percent slopes
81	NOB	Nicholia-Goosebury, low ppt. 2 to 6 percent slopes
26	PB	Paint-Bluedome-Simeroi complex, 4 to 12 percent slopes
88	SA1	Sanfelipe-Simeroi complex, 1 to 4 percent slopes
101	SC	Simeroi gravelly loam, cool, 2 to 25 percent slopes
52	SEC	Simeroi gravelly loam, 2 to 4 percent slopes
102	SED	Simeroi gravelly loam, 6 to 15 percent slopes
86	SEW	Simeroi-Whitecloud, cold complex, 2 to 8 percent slopes
85	So1	Sparmo-Zer complex, 1 to 5 percent slopes
69	Sp1	Sparmo silt loam, 1 to 4 percent slopes
70	Sp2	Simeroi-Sparmo complex, 4 to 8 percent slopes
76	T	Travertine Flaggy loam
103	Th1	Thosand-Sancrane complex, 0 to 2 percent slopes
77	Vo	Vo stony loam, 5 to 25 percent slopes (Volcanic) Lab
109	Whi	Whitethrob gravelly loam, 0 to 2 percent slopes
84	XHS	Orthids-Rubble Land-Rock Outcrop complex, 50 to 80 percent slopes
107	XHX	Cryoborolls-Rubble land-Rock outcrop complex, 50 to 80 % slopes
74	ZBC	Zer complex, 1 to 3 percent slopes
105	ZEF	Zeale-Meegero complex, 2 to 20 percent slopes
27	ZG	Zer gravelly loam, 1 to 4 percent slopes
104	ZGS	Zer stony loam, 4 to 20 percent slopes
78	ZHF	Zeale-Meegero complex, 20 to 60 percent slopes
75	ZL	Zeebar-Latigo complex, 6 to 25 percent slopes
108	ZMK	Meegeronot-Monida complex, 20 to 50 percent slopes

Whitethrob gravelly Loam dry 0-2%

Fs 1120 Monida-Zeale complex, 4 to 20 percent slopes, Fs
From sandstone etc

Official Soil Series Descriptions

USDA-NRCS Soil Survey Division

Data Access

Introduction

OSD Information Sheet

Data Base Access

- View OSD by Series Name (with best-match feature)
- View OSDs by List of Series Names (with FTP option)
- View OSDs by Query (with FTP option)
- Soil Series Name Search

use this selection
type in names
2 or, 1 to ref

Comments	Access Stats	Keys to Soil Tax.	NSDAF	Soil Survey Div.
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**IOWA STATE
UNIVERSITY**

WWW access developed in cooperation with the Statistical Laboratory at Iowa State University.

<http://www.statlab.iastate.edu/soils/osd>

May 19, 1998



Soil symbols

For sections 29, 30, 32

+ 10. N.
R 30 E.

- IR

- JRH
LN

- NOB

SEC

- XHS

- XHX

- 2BC

- 2EF

- 2G

Over

XHS-Orthids-Rubble Land-Rock Outcrop complex, 50 to 80 percent slopes

COMPOSITION

Orthids, 50 to 80 percent slopes - 45 percent

Rubble Land - 25 percent

Rock Outcrop - 15 percent

Inclusions: 15 percent

ORTHIDS

Position on landscape:

mountains,

Elevation: 4,000 to 7,000 feet

Aspect:

south-facing

west-facing

Climatic Data:

*precipitation - 7 to 12 inches

*air temperature - 37 to 44 degrees

*frost-free period - 50 to 100 days

Native plants:

sagebrush, forbs and grass

Sample profile:

*0 to 2 inches - brown very cobbly loam

*2 to 6 inches - grayish brown very gravelly loam

*6 to 16 inches - pale brown very gravelly loam

*16 to 37 inches - pale pale brown extremely gravelly loam

*37 to 60 inches - pinkish gray extremely gravelly coarse sandy loam

XHX-Cryoborolls- Rubble Land-Rock Outcrop complex, 50 to 80 percent slopes

COMPOSITION

Cryoborolls, 50 to 80 percent slopes - 50 percent

Rubble Land - 20 percent

Rock Outcrop - 15 percent

Inclusions: 15 percent

CRYOBOROLLS

Position on landscape:

mountains,

Elevation: 5,800 to 9,000 feet

Climatic Data:

*precipitation - 13 to 30 inches

*air temperature - 35 to 39 degrees F

*frost-free period - 10 to 40 days

Native plants:

sagebrush,

coniferous trees,

Sample profile:

*0 to 5 inches - dark brown stony loam

*5 to 12 inches - brown very gravelly loam

*12 to 17 inches - pale brown extremely cobbly sandy loam

*17 to 30 inches - pale brown extremely cobbly loamy coarse sand

Depth class:

moderately deep to very deep (20 to 60 or more inches)

Drainage class:

well drained

Verner, Eric

From: Deena_Teel@blm.gov
Sent: Thursday, May 27, 1999 2:48 PM
To: Verner, Eric
Subject: Re: Mac Wagoner Ranch Properties

Hi Eric,

I checked our master title plats on those locations. Both tracts (T.10N, R.30E, S.30 SESE and NWSE) are entirely on BLM land. The point of diversion at T.9N, R.30E, S.3 SENW is also entirely on BLM land. However, we are not as concerned about points of diversion as we are about places of use, especially if the point of diversion is as old as this one is. I still haven't determined if BLM has authorized farming on the other places of use you asked me about. The lady in charge of the database is out of the office for a few days. I will try to get that information for you next week. Have a great weekend.

Deena



State of Idaho

DEPARTMENT OF WATER RESOURCES

900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

May 24, 1999

MAC & BETTY WAGONER
PO BOX 296
DUBOIS ID 83423

RE: NOTICE OF CHANGE OF WATER RIGHT OWNERSHIP (NCO) FOR PARTIAL
DECREE(S) 32-10008 AND NOTICE(S) OF CLAIM TO A WATER RIGHT
A32-00088, A32-00091, A32-10124, A32-10315

Dear Mr. & Mrs. Wagoner:

The Department's records have been modified to reflect the change
in ownership for the above referenced partial decree(s) and
notice(s) of claim.

Enclosed for your files is a report listing you as the current
owner(s). Review the form and if there are corrections or
questions, feel free to contact this office.

Respectfully submitted,

Jennifer Hoagland
Technical Records Specialist

Enclosure

STATE OF IDAHO
IDAHO DEPARTMENT OF WATER RESOURCES
NOTICE OF CHANGE OF WATER RIGHT OWNERSHIP

RECEIVED

MAY 04 1999

Department of Water Resources
Eastern Region

Please print or type. Attach pages with additional information. Instructions are on the back of this page.

Incomplete forms will be returned.

1. Water Right Number(s) _____
Adjudication Claim Number(s) A32-00088, A32-00091, A32-10008, A32-10124, A32-10315

2. The following REQUIRED information must be submitted with this form.

A. A copy of the most recent DEED, TITLE POLICY, CONTRACT OF SALE, or other legal document indicating your ownership of the property and water rights or claims in question, WITH ATTACHED LEGAL DESCRIPTION.

AND

B. PLAT OF PROPERTY or SURVEY MAP for parcel of ten acres or less. (These are usually on file with the county.)

OR

C. For water rights or adjudication claims involving ten or more irrigated acres, a USDA Farm Service Agency (formerly ASCS) AERIAL PHOTO with irrigated acres outlined and point(s) of diversion clearly marked.

3. Name and Address of Former Owner/Claimant(s)

Blanche Wagoner
Lendore Idaho

4. New Owner/Claimant(s)

MAC OR Betty Wagoner

New Mailing Address

P.O. Box 296 Lendore Idaho 83423

City, State and ZIP Code

New Telephone Number

208-374-5415

5. Date you acquired the property

October 1996

6. If you have acquired only a portion of the former owner's property, IDWR may need to split the water right(s) or adjudication claim(s). If this applies, describe in detail your portion of each water right or adjudication claim in the spaces below. If necessary, attach additional pages.

Number of acres actually irrigated _____ Number and type of stock _____

Diversion rate in CFS _____ Number of homes _____ Other uses _____
cubic feet per second

If a water right or adjudication claim is being split and you are not sure how to identify your portion of the original right or claim, please contact the nearest IDWR office for assistance.

7. Signature of New Owner/Claimant(s)

Mac Wagoner

Date 5-4-99

Date _____

8. (Corporations or other organizations must submit a list of directors/officers demonstrating authority to sign form.)
For Snake River Basin Adjudication Claims: If you are represented by an attorney and you want IDWR to correspond directly with your attorney for all matters related to your claims, please attach a Notice of Appearance completed by your attorney.

INSTRUCTIONS

This form has been prepared to assist new owners of property to comply with the requirements of Sections 42-248 and 42-1409(6), Idaho Code. Section 42-248 requires certain property holders to notify the Department of Water Resources (IDWR) of any change in mailing address or ownership of all or part of a water right record on file with IDWR. Section 42-1409(6) provides that new property owners must notify IDWR of any change in ownership of a water right during an adjudication of water rights, and, if a required claim for the water right has not been filed, to file the needed claim.

Separate brochures are available from IDWR describing the adjudication of water rights and the requirement to notify IDWR of changes in ownership. If you would like any of these brochures, or if you have questions about completing this form, please contact your nearest IDWR office or call 1-800-451-4129.

If you need additional space to describe or explain any of the items on the form, please attach additional sheets to the form as you may require.

1. If there are water rights associated with the property, the seller should be able to provide you with the water right or adjudication claim number(s). Please enter these number(s) at Item 1. If you or the seller believe there are water rights for the property but the numbers are unknown, you may wish to call IDWR or come into an office of IDWR for assistance in identifying the water rights for the property in question. If claims for the rights are required, and have not been filed, IDWR will so advise you.
2. The information described at Item 2 is required, since IDWR cannot process the requested change without documentation of ownership. The preferred types of documentation are shown; contact IDWR if you have difficulty obtaining this information. Do not obtain a new survey for purposes of this form before contacting IDWR.
3. Please provide the name and address of the former owner of the water right and/or adjudication claim at Item 3.
4. The name, mailing address, and telephone number of the new owner(s) is entered at Item 4. Please indicate the relationship between multiple owners by using the connector "and", "or" or "and/or". If an "and" is used, all parties must sign this form. If an "and/or" or "or" is used, all parties may sign, however only one of the named parties is required to sign.
5. At Item 5, please provide the date the property in question was acquired. This may be the date of "closing" in the case of a real estate transaction or the date of court order for other types of ownership changes.
6. If the property you have purchased is only a portion of the property owned by the former owner/seller, you may be purchasing only a portion of the total water right held by the seller. This means the water right held by the seller may be "split" to provide your share of the right in question. Be sure to include a description of the portion of the water right you have purchased at Item 6.

Please provide as much detail as possible concerning your water right: include the number of homes, irrigated acreage if more than 1/2 acre is irrigated, type and number of stock if your right is for stockwater, etc. In the absence of information to the contrary, IDWR will assume the intent is to split the rights *proportionately*.

7. The new owner(s) must sign the form in the space(s) provided at Item 7. Corporations and other organizations must submit a list of directors or officers demonstrating the authority of the director or officer to sign the form.
8. There is no filing fee. When complete, you should retain a copy and return the original of the form to the IDWR office nearest you:

IDWR Western Region, 2735 Airport Way, Boise, ID 83705-5082 (208) 334-2190

IDWR Southern Region, 222 Shoshone St. E., Twin Falls, ID 83301-6105 (208) 736-3033

IDWR Northern Region, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, ID 83814-2615 (208) 769-1450

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

DEED IN LIEU OF FORECLOSURE

This indenture, made this 27 day of October, 1996, between Blanche Wagner, of Dubois Idaho, party of the first part and Mac Wagoner and Betty Anne Wagoner, parties of the second part,

WITNESSETH, that the party of the first part, for and in consideration of the sum of one and no/100 dollars, (\$1.00) lawful money of the United States of America, and other valuable consideration to them in hand paid by party of the second part, receipt of which is hereby acknowledged, has granted, bargained, sold and by these presents does hereby grant, bargain, sell, convey and confirm unto said party of the second part, their successors and assigns, forever, all the following described real estate, situated in Clark County, Idaho,

Township 10 North, Range 30 East of the Boise Meridian, CLARK COUNTY,
IDAHO

SECTION 30 NE1/4 SE1/4

ALSO, Beginning at a point 12 chains West of the NE corner of the NW1/4 SW1/4 Section 29; thence South 18 chains; thence East 2 chains; thence South 18 chains; thence West 3 chains; thence South 14 chains; thence West 7 chains; thence North 50 chains; thence East 8 chains to the point of beginning

EXCEPTING THEREFROM a tract of land described as follows:
Beginning at a point 10 chains North and 7 chains East from the SW corner of the NW1/4 NW1/4 of Section 32; thence West 60 feet; thence North 260 feet; thence East 60 feet; thence South 260 feet to the place of beginning

ALSO EXCEPTING THEREFROM A tract of land described as follows:
Beginning at a point from which the Section corner common to Section 29 and 30, 31 and 32 bears West 363.9 feet and N68°4'W 424.0 feet; thence N68°26'E 78.0 feet; thence N3°30'E 217.0 feet; thence West 70.0 feet; thence S3°30'W 247.0 feet to the POINT OF BEGINNING

ALSO EXCEPTING THEREFROM County Road Rights of Way

Together with all and singular the tenements, hereditaments, and appurtenances thereto belonging or in anywise appertaining, and the reversion and reversions, remainder and remainders, and rents, issues, and profits thereof, and all estate, right, title, and interest in and to the said property, as well as in law as in equity of the part of the first party

To have and to hold the premises, together with all and singular the tenements, hereditaments, easements and appurtenances therunto belonging or in anywise appertaining, and the reversions, remainders, rents, issues, and profits thereof, and all first part's estate, right, title and interest, including conveyance of all rights of redemption or claims for redemption in and to the premises, in law, as well as in equity.

First party shall and by these presents does hereby warrant and agree to forever defend the second party, their successors and assigns, in the quiet and peaceable possession of the premises and from and against all and every person lawfully claiming an interest therein.

This deed is an absolute conveyance of title, in effect as well as in form, and is not intended as a mortgage, trust conveyance, or security of any kind. The consideration therefore is the sum of one dollar, and full release of all debts and obligations heretofore existing on account of that certain Real Estate Mortgage with Blanche Wagoner as Mortgagor and Mac Wagoner and Betty Anne Wagoner as Mortgagees. This deed completely satisfies said contract indebtedness and terminates said contract and any effect thereof in all respects.

IN WITNESS WHEREOF the party of the first part has hereunto set their hands and seals the day and year first above written.



Blanche Wagoner

STATE OF IDAHO,)

County of Blaine)

On this 16th day of July, 1977, before me the undersigned, a Notary Public in and for said State, personally appeared Blanche Wagoner, known to me to be the person whose name is subscribed to the within instrument and acknowledged to me she executed the same.

JOANN S. TAYLOR

Notary Public for Idaho
Residing at:
Commission Expires

30

29

16.0

19.0

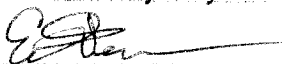
0.8

32.0

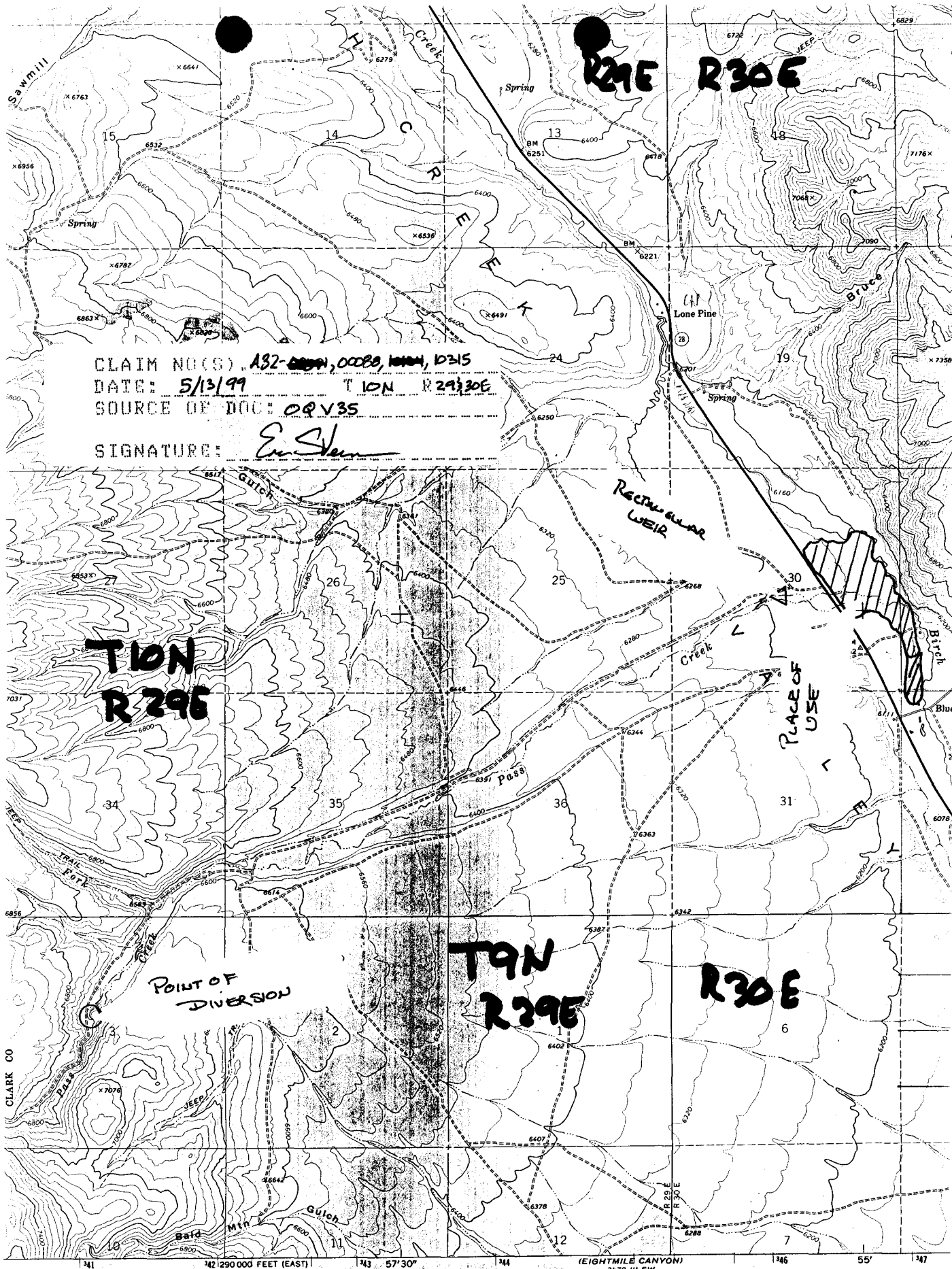
4.3

14.0

4.3

CLAIM NO. A32-00088
DATE: 8/13/99 100 30E.
SOURCE OF DATA: DAPP, GIS, LOWR
SIGNATURE: 

31



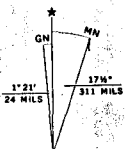
CLAIM NO(S) **A32-0000, 0000, 0000, 0000**
 DATE: **5/13/99** TION **R29330E**
 SOURCE OF DOC: **00V35**
 SIGNATURE: *E. Stein*

ted, and published by the Geological Survey

is and USC&GS

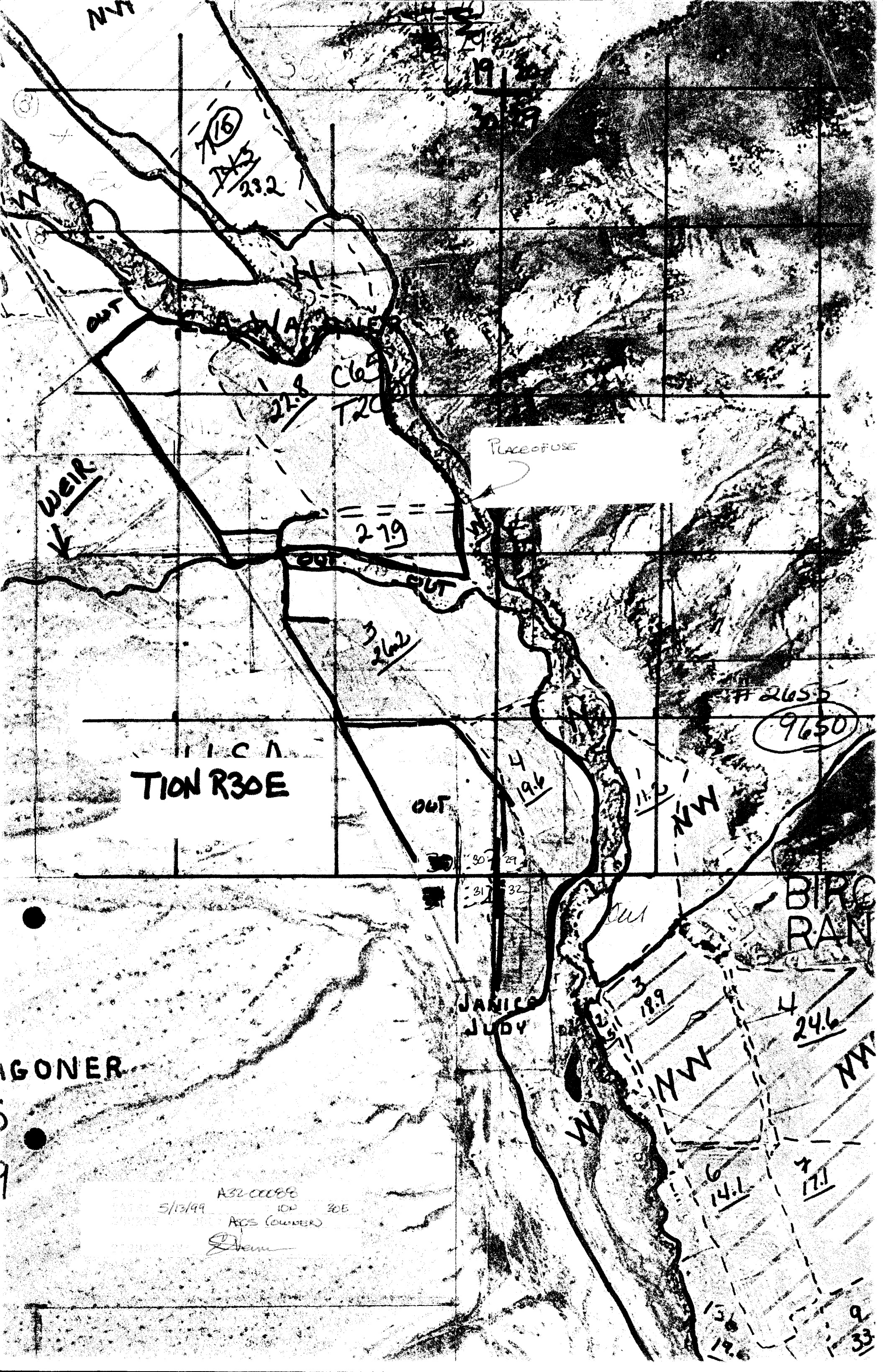
photogrammetric methods from aerial
 taken 1967. Field checked 1969

ection. 1927 North American datum
 ids based on Idaho coordinate system,
 il zones
 iversal Transverse Mercator grid ticks,
 1 in blue



V35

CONTOUR INTERVAL 40 FEET
 DATUM IS MEAN SEA LEVEL



SECTION R30E

BIRCH RAN

JANICE JUDY

AGONER

5/13/99
A32 00088
100 30E
AGS (OWNER)
Dham

PLACE OF USE

#2655

9650

16

23.2

CL6

T20

27.9

3
26.2

4
19.6

11.2

3
18.9

4
24.6

6
14.1

7
17.1

5
19.6

9
33

T10N
R30E

U.S.A.

POU

GONER

WILLIAM S. HOLDEN
 B. VERN KIDWELL
 FRED J. HAHN
 TERRY L. CRAPO
 KENT W. FOSTER
 ROBERT E. FARNHAM
 WILLIAM D. FALER
 STEPHEN E. MARTIN
 CHARLES A. HOMER

LAW OFFICES
 HOLDEN, HOLDEN, KIDWELL, HAHN & CRAPO
 IDAHO FIRST NATIONAL BANK BUILDING
 P. O. BOX 129
 IDAHO FALLS, IDAHO 83401

TELEPHONE 523-0620
 AREA CODE 208

ARTHUR W. HOLDEN 1977-1987
 ROBERT B. HOLDEN 1981-1971

August 16, 1977

Department of Water Resources
 Eastern District Office
 1515 Lincoln Road
 Idaho Falls, Idaho 83401

Attention: Loren O. Holmes

Gentlemen:

We are enclosing the following documents with this letter:

1. Completed Application for Transfer of Water Right.
2. Check for filing fee in the amount of \$30.00.
3. Photocopy of Notice of Real Estate Sale Contract dated April 3, 1975.
4. Certified copy of patent issued to C. B. Watts, dated December 6, 1906.
5. Letter Agreement between the Simmonses and the Waggoners dated May 17, 1977.

As you are aware, our clients, Mr. and Mrs. William T. Simmons, recently purchased a ranch from Mr. and Mrs. Marshall Bare in the Birch Creek area in Clark County, Idaho. Mr. Simmons was originally desirous of installing a gravity flow sprinkler system for the irrigation of the upper portion of his ranch. However, he has discovered that there is not adequate elevation to do so, and it appears that it will be necessary to install electric pumps for the irrigation of the upper portion of the ranch. As Mr. Simmons was preparing for a more efficient irrigation of his ranch, he discovered some problems with the water rights appurtenant to his property. Mr. Simmons has asked us to check into the water rights, and we have now completed our search and have prepared the enclosed application.

We have discovered that much of the water that was decreed in the Birch Creek Decree was appurtenant to land which has never been and probably should not be irrigated. In fact, the water rights have been used on property to much of which it has never been made appurtenant by decree. It is Mr. Simmons' desire by this application to confirm the practice which to a large extent has persisted over the years, as well as to have water rights transferred so that it can be used in the most efficient manner on the ranch. Since much of what

Department of Water Resources
August 16, 1977
Page Two

we are attempting to accomplish cannot be clearly discerned from the application, this letter is being written as a supplement thereto, and an explanation thereof.

The total ranch consists of approximately 2,000 acres. Of this, a total of approximately 1,030 acres are irrigable. It appears at the present time, that 19.8 cfs or a total of 990 miner's inches of the waters of Birch Creek is appurtenant to lands within the boundaries of the ranch. These water rights consist of a number of rights decreed in the case of Agnes B. Reno, et al vs. J. R. Richards, et al, sometimes known as the "Birch Creek Decree". The rights about which we are concerned are listed and discussed separately below:

1. 32-0067 for 3.2 cfs with a priority date of September 10, 1882, made appurtenant to lots 2, 3, and 4, and the Southeast Quarter of the Southwest Quarter (SE $\frac{1}{4}$ SW $\frac{1}{4}$), Section 19, Township 10 North, Range 30 E.B.M. This entire water right has been used upon the ranch, but only approximately 90 of the acres to which the right was made appurtenant are irrigable. The water has been used on other lands upon the ranch to which it is not appurtenant under the Birch Creek Decree.
2. 32-0090 for 1.6 cfs with a priority date of May 10, 1886, for the West Half of the Southeast Quarter (W $\frac{1}{2}$ SE $\frac{1}{4}$), the Northeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$ SW $\frac{1}{4}$), the Southeast Quarter of the Southwest Quarter (SE $\frac{1}{4}$ NW $\frac{1}{4}$), Section 32, Township 10 North, Range 30 E.B.M. Both this right and 32-0089, which is appurtenant to the same land, show the decreed owner as one C. B. Watts. Our copies of both the decree and the abstract show that these rights were made appurtenant to Section 23, rather than 32. We are certain that this is an error (probably typographical) in the decree. Section 23 is located 3 to 4 miles east of Birch Creek in mountainous terrain and cannot be irrigated with the waters from Birch Creek. Checking the ownership of the land, we have discovered that there are some mining claims in Section 23; however, these specific 40 acre tracts described in the decree are presently owned by the United States Government, administered by the Bureau of Land Management, and have never been owned privately. In reviewing the records of Clark County, we have discovered that a patent was issued by the United States to one Charles B. Watts, December 6, 1906, for 160 acres of land in Section 32. The four specific 40 acre tracts are identical to the 40 acre tracts which are described in the decree, and it seems obvious that at some

point in time the numbers were transposed. As near as we have been able to determine, the water right has always been used on the ranch now owned by our client.

3. 32-0089 for 2.5 cfs with a priority date of May 10, 1888, for the West Half of the Southeast Quarter (W $\frac{1}{2}$ SE $\frac{1}{4}$), the Northeast Quarter of the Southwest Quarter (NE $\frac{1}{4}$ SW $\frac{1}{4}$), the Southeast Quarter of the Northwest Quarter (SE $\frac{1}{4}$ NW $\frac{1}{4}$), Section 32, Township 10 North, Range 30 E.B.M. As we have explained, the same explanation given above under Right No. 32-0090 is applicable here.
4. 32-0093 for 1.6 cfs with a priority date of May 10, 1886, for the South Half of the Southwest Quarter (S $\frac{1}{2}$ SW $\frac{1}{4}$), Section 29; the North Half of the Northwest Quarter (N $\frac{1}{2}$ NW $\frac{1}{4}$), Section 32; the Northwest Quarter of the Southwest Quarter (NW $\frac{1}{4}$ SW $\frac{1}{4}$), Section 29; the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$), Section 30, Township 10 North, Range 30 E.B.M. Right No's 32-0092 and 32-0091 mentioned below, were made appurtenant to the same property. As is the case with many of these rights, the water has not been used on much of the land to which it was made appurtenant by the decree. Specifically, the Northeast Quarter of the Southeast Quarter of Section 30, Township 10 North, Range 30 E.B.M., has not been irrigated with this water right. This specific 40 acre tract is presently owned by Mr. Clifton Waggoner. It is our understanding that it is physically impossible to flood irrigate this 40 acre tract with the waters of Birch Creek, that it has never been done, and that Mr. Waggoner does not claim any portion of this right or the other two mentioned. We further understand that Mr. Waggoner claims all of the waters of Pass Creek, including those made appurtenant to portions of the Simmons' ranch under Right No. 32-0088. (Right No. 32-0088 will be discussed further below). The combination of rights numbers 32-0093, 32-0092, and 32-0091 totals 230 inches and all was made appurtenant to the same 240 acres. Actually, only about 60 acres of the land to which these rights were made appurtenant are irrigable, and the water has physically been used on other portions of the Simmons' ranch historically. Please refer at this point to the Letter Agreement dated May 17, 1977 between the Simmonses and the Waggoners stating clearly their agreement as to the use of the water rights under the four numbers discussed above.
5. 32-0092 for 2.5 cfs with a priority date of May 10, 1888. As stated above, the explanation given under Right No. 32-0093 is applicable here.

Department of Water Resources
August 16, 1977
Page Four

6. 32-0091 for .5 cfs with a priority date of May 1, 1901. This explanation given under 32-0093 above is applicable here.
7. 32-0068 for 3.2 cfs with a priority date of May 10, 1887 for the Northeast Quarter of the Northwest Quarter (NE $\frac{1}{4}$ NW $\frac{1}{4}$), the North Half of the Northeast Quarter (N $\frac{1}{2}$ NE $\frac{1}{4}$), Section 30; and the Southwest Quarter of the Northeast Quarter (SW $\frac{1}{4}$ NE $\frac{1}{4}$), Section 19, all in Township 10 North, Range 30 E.B.M. This water right includes all of the waters of Miller Springs. Only approximately 65 acres of the lands to which this right was made appurtenant by the decree, are irrigable, and most of the water has been used on other lands which are part of the Simmons' ranch.
8. 32-0061 for 3.2 cfs with a priority date of May 10, 1888, for the Southwest Quarter of the Southwest Quarter (SW $\frac{1}{4}$ SW $\frac{1}{4}$), of section 12; the Southeast Quarter of the Southeast Quarter (SE $\frac{1}{4}$ SE $\frac{1}{4}$), of Section 11; and the West Half of the Northwest Quarter (W $\frac{1}{2}$ NW $\frac{1}{4}$), of Section 13, all in Township 10 North, Range 29 E.B.M. We have obtained a copy of Transfer No. 256 which indicates that half or 1.6 cfs of this right was transferred to lands which are not now included within the boundaries of the Simmons' ranch. Under this transfer there appears to be no water appurtenant to the West Half of the Northwest Quarter of Section 13, Township 10 North, Range 29 E.B.M. Of the remaining 80 acres to which the right was originally made appurtenant, approximately 75 is irrigable, and the balance of the water has been used elsewhere on the Simmons' ranch.
9. 32-0069 for 3.2 cfs with a priority date of May 10, 1888 for the Southeast Quarter of the Northeast Quarter (SE $\frac{1}{4}$ NE $\frac{1}{4}$), the North Half of the Southeast Quarter (N $\frac{1}{2}$ SE $\frac{1}{4}$), and the Southeast Quarter of the Southeast Quarter (SE $\frac{1}{4}$ SE $\frac{1}{4}$), all in Section 24, Township 10 North, Range 29 E.B.M. Of the lands to which this water right was made appurtenant by the decree, only approximately 25 acres are irrigable, and the balance of the water has historically been used on other lands within the boundaries of the Simmons' ranch.
10. 32-0088 for 1.0 cfs with a priority date of July 29, 1907 for the South Half of the Southeast Quarter (S $\frac{1}{2}$ SE $\frac{1}{4}$) of Section 13; the Northeast Quarter of the Northeast Quarter (NE $\frac{1}{4}$ NE $\frac{1}{4}$), Section 24; the Southeast Quarter of the Southeast Quarter (SE $\frac{1}{4}$ SE $\frac{1}{4}$), Section 13 (this really includes the description of part of the same property described in the South Half of the Southeast Quarter of Section 13 above); the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$), and the Southeast Quarter of the Northeast

Department of Water Resources
August 16, 1977
Page Five

Quarter (SE $\frac{1}{4}$ NE $\frac{1}{4}$), of Section 14, all in Township 10 North, Range 29 E.B.M. All of the land to which this water was made appurtenant by the decree is now owned by the Simmonses. However, it is our understanding that Mr. Clifton Waggoner claims and uses all of the waters of Pass Creek from which this water was decreed in the Birch Creek Decree. Again refer to the Letter Agreement between the Waggoners and the Simmonses dated May 17, 1977 referred to in the discussion under Right No. 32-0093 above.

11. We have already discussed rights No. 32-0093, 32-0092, and 32-0091. However, one further comment needs to be made. The portion of the lands to which this water was made appurtenant by the decree, includes a small acreage upon which the "Blue Dome" is situated. Mr. Simmons understands from the watermaster, Mr. Ben Wilding and other water users in the Birch Creek area, that 0.1 cfs or 5 miner's inches has always been understood to be appurtenant to the property near the Blue Dome, now owned by Mrs. Cecil Carlson. Mr. Simmons wants it clearly understood that he does not claim this 5 miner's inches and that he accepts the custom or tradition that this small amount of water from a combination of three numbered rights listed in this paragraph is appurtenant to Mrs. Carlson's land.

As you can see, the total then of all of the rights which Mr. Simmons claims are appurtenant to his ranch (excluding the 1.6 cfs that was transferred by Transfer No. 256, including all of the water rights listed under 32-0093, 32-0092, and 32-0091, except the 5 inches for Mrs. Carlson, and excluding the 1.0 cfs under 32-008 claimed by Waggoners) is 19.8 cfs. We have only dealt with this 19.8 cfs in the application. Under Section A of the application, we have described the total rights which we believe to be appurtenant to Mr. Simmons' ranch, and have described the acres which the decree and the existing agreements and understanding would show this particular 19.8 cfs to be presently appurtenant. In Section B of the application we have discussed that portion of the right for which we are seeking this transfer, and have described the land to which the water was made appurtenant under the decree and from which we seek to have it removed. Under Section C, we have discussed the use to be made of the water which we are seeking to have transferred and have described the acres to which we seek to have the water made appurtenant.

Since we are filing this application on behalf of our clients and will be representing them throughout this proceeding, we would

Department of Water Resources
August 16, 1977
Page Six

very much appreciate it if you would direct all correspondence to our office. If additional information is needed, or if you wish to discuss any aspect of this application, please feel free to contact our office at your convenience.

Thank you for your assistance in this matter.

Yours very truly,

Kent W. Foster
Kent W. Foster

KWF:jt

Enclosures

May 17, 1977

Department of Water Resources
Eastern District Office
1515 Lincoln Road
Idaho Falls, Idaho 83401

Gentlemen:

It has recently come to our attention, that certain of the water rights listed in the Birch Creek Decree (that is; the decree entered in the case of Agnes B. Reno, et al vs. J. R. Richards, et al, dated September 6, 1922, in the Ninth Judicial District Court of the State of Idaho, in and for the County of Fremont) have not, to our knowledge, ever been used on the lands to which the rights were made appurtenant under the decree, but rather, to our knowledge, have always been used in the manner set forth in this letter. It is our intention by this letter to explain how the water has been used, to release any claims which we may have on the specific water rights mentioned herein, which have been used on the others' property, and to consent to any formal transfer of such rights by the other so that the records will conform to the actual practice.

The first such right has been assigned Right No. 32-0088. The right was decreed to Frank C. and Jesse Worthing, in the amount of 1 cubic feet per second, with a priority date of July 29, 1907, and was decreed to land now owned by William T. and Theola Simmons. The decree indicates that this water right is from Pass Creek, a tributary of said Birch Creek. To the knowledge of the undersigned, this water has never been used in the manner described in the decree; but, in fact, all of the waters of Pass Creek have been used on land owned by Clifton and Blanche Waggoner. The undersigned, William T. and Theola Simmons hereby release any claim which they may have in and to said right, and hereby consent to the formal transfer by the Waggoners or their heirs, assigns or successors in interest of said water right to their lands at any time they might desire to do so.

Also, under said decree, certain portions of the water rights assigned No.s 32-0093, 32-0092, and 32-0091, are shown as being appurtenant to certain acres of land now owned by the undersigned, Clifton and Blanche Waggoner. To the knowledge of the undersigned, these rights have never been used on the lands now owned by Waggoners, and have always been used on lands now owned by William T. and Theola Simmons. The undersigned, Clifton Waggoner and Blanche Waggoner hereby release any claims in or to

Department of Water Resources
May 17, 1977
Page Two

the above numbered rights which they may now have by virtue of said decree, and hereby consent to the formal transfer by William T. and Theola Simmons, their heirs, assigns or successors in interest, of all or any portion of said water rights.

In Witness Whereof, we have hereunto set our hands and seals this 14th day of May, 1977.

William T. Simmons
William T. Simmons

Theola Simmons
Theola Simmons

Clifton Waggoner
Clifton Waggoner

Blanche Waggoner
Blanche Waggoner

STATE OF IDAHO)
County of Bonneville) ss.

On this 14th day of May, 1977, before me, the undersigned, a Notary Public in and for said state, personally appeared William T. Simmons and Theola Simmons, his wife, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary M. Saunders
Notary Public for Idaho
Residing at Idaho Falls, Idaho
My Commission Expires: 3/10/79

seal

STATE OF IDAHO)
County of Bonneville) ss.

On this 14th day of May, 1977, before me, the undersigned, a Notary Public in and for said state, personally appeared Clifton Waggoner and Blanche Waggoner, his wife, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Notary M. Saunders
Notary Public for Idaho
Residing at Idaho Falls, Idaho
My Commission Expires: 3/10/79

seal

APPLICATION FOR TRANSFER OF WATER RIGHT **APPROVED**
To Change the Point of Diversion and/or the Place of Use

Total number of acres to be irrigated _____

LAND LIST ATTACHMENT

Description and location of place of use:

TWP.	RANGE	SEC.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				TOTALS	CFS
			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		
(32-0067	10N	30E	19						L. 2 40			L. 3 40	L. 4 40	40					160	3.20
(32-0090 & (32-0089	10N	30E	32						40	40					40	40			160	1.60 2.50
(32-0093,																				1.60
(32-0092 &																				2.50
32-0091	10N	30E	29								40	40	40						120	0.50
		30													40				40	
		32					40	40											80	
32-0068	10N	30E	19													40			40	3.20
		30	40	40			40												120	
32-0061C	10N	29E	11														40		40	.40 --1.6--
		12										40							40	
32-0069	10N	29E	24			40									40	40	40		160	3.20

Total number of acres irrigated 960

18.7
19.9

1. Amount of water: a. _____ cubic feet per second
b. _____ &/or
acre feet per annum

3. Place of use:

[illegible]

1. *Phragmites australis* (Cav.) Trin. ex Steud.
 2. *Phragmites australis* (Cav.) Trin. ex Steud.
 3. *Phragmites australis* (Cav.) Trin. ex Steud.
 4. *Phragmites australis* (Cav.) Trin. ex Steud.
 5. *Phragmites australis* (Cav.) Trin. ex Steud.
 6. *Phragmites australis* (Cav.) Trin. ex Steud.
 7. *Phragmites australis* (Cav.) Trin. ex Steud.
 8. *Phragmites australis* (Cav.) Trin. ex Steud.
 9. *Phragmites australis* (Cav.) Trin. ex Steud.
 10. *Phragmites australis* (Cav.) Trin. ex Steud.

Page 100

Approved for Release by NSA on 08-25-2013 pursuant to E.O. 13526

[illegible]

5. Description of diverting system: 2000 ft. of 24" turned the hole with concrete pumps. One

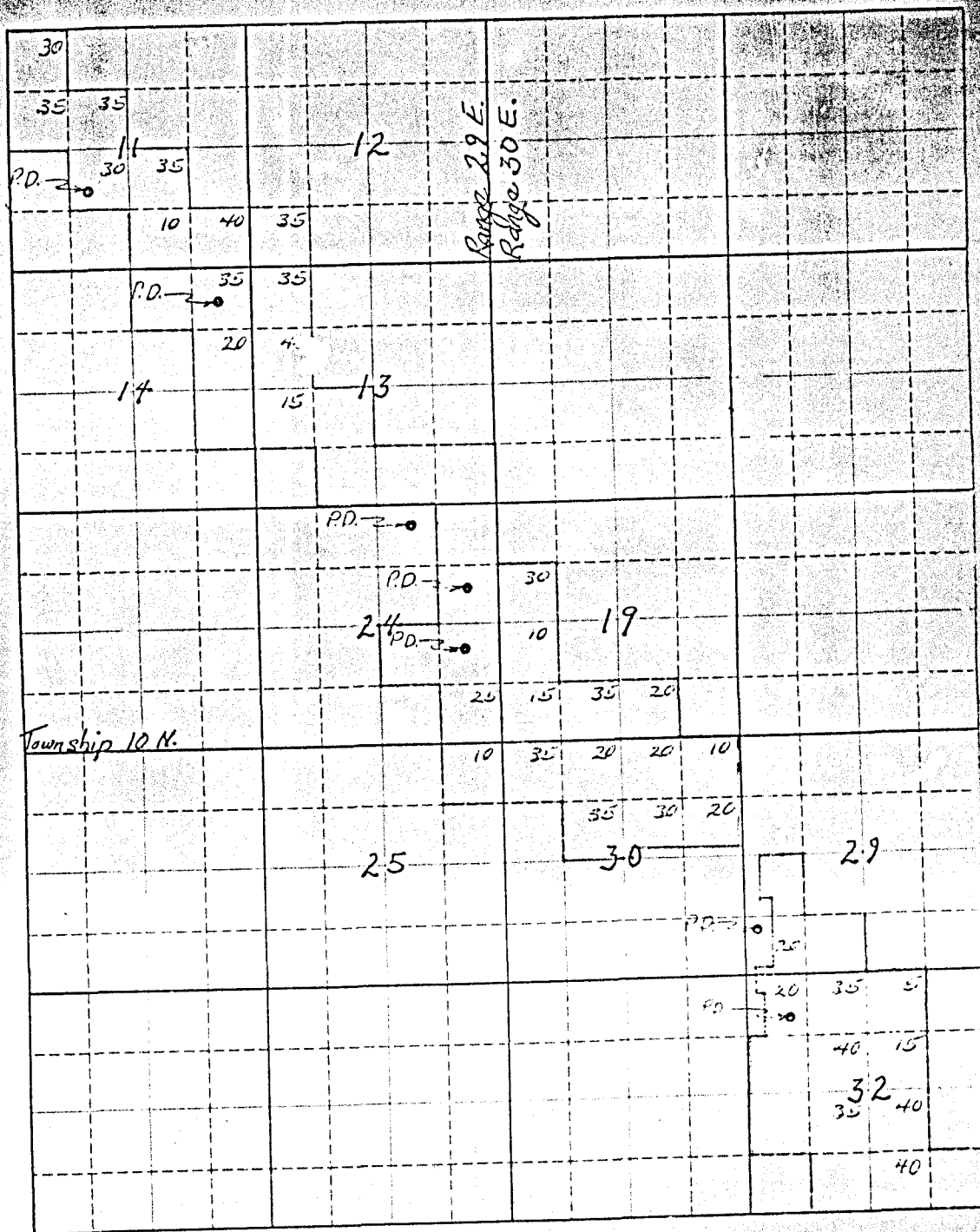
THE JAMES EARL RAY CASE

1. The first of the two main reasons for the failure of the first two attempts at a new constitution was the lack of a strong central government. The second was the lack of a strong executive.

10. The Commission has been informed that the Government of the Republic of Armenia has agreed to accept the findings of the Commission's investigation and to take the necessary measures to ensure that the rights of the victims are protected and that the perpetrators are held accountable.

[illegible][illegible]

- b. Draw a map indicating the new point(s) of diversion and/or the new land to be irrigated. Show clearly the land involved by section, township and range number.



SCALE: 2 inches equal 1 mile. Draw plan in ink.

3. Remarks

I hereby assert that no one will be injured by such change and the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge.

Subscribed and sworn to before me this 29 day of September, 1977

Wm T. Simmons
(Signature of applicant)

James H. Gerard
(Notary public)

My commission expires January 5, 1980

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. 32-0061, 32-0067, 32-0068, 32-0069, 32-0089, 32-0090, 32-0091, 32-0092 and 32-0093, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:
1. A measuring device and lockable controlling works of a type acceptable to the Department shall be permanently installed and maintained as part of the diverting works.
2. Use of water under this right is subject to control by the watermaster of State Water District No. 32D, Birch Creek.
3. The maximum rate of diversion under said right shall not exceed 18.6 cfs.

Witness my hand this 22nd day of February, 19 83

L. Glen Saxton
Chief, Operations Bureau

FOR DEPARTMENT USE ONLY

Received by me Date 9-8-77

Prelim. check by RK Fee \$30.00

Receipted by me Date 2-8-77

Published in The Standard Journal

Pub. dates Sept 22 & 29, 1977

Watermaster recommendation requested on 9-12-77

B. W. Harding rec'd.
#32-0

Protest filed by W. H. Caterpillar

Lead Welding

Copies of protest forwarded by CU

Hearing held by _____ Date _____

Recommended for approval denial

by W. H. Caterpillar

[Faint, illegible text at the top of the page, possibly a header or title.]

[A large block of faint, illegible text in the middle of the page, appearing to be the main body of a document.]

[A second block of faint, illegible text at the bottom of the page, possibly a conclusion or signature block.]

INTER-DEPARTMENT MEMO — 1

FROM Kay Walker

DATE 2/11/1983

TO Files 32-0067, 32-0068, 32-0069, 32-0089, 32-0090, 32-0091, 32-0092 and 32-0093

SUBJECT Transfer No. 2165

See Water Right File No. 32-0061 for all correspondence regarding the above referenced transfer.

SIGNATURE

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

14:05:51
05/27/99

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A32-00088

LAST: WAGONER
ADDRESS: STAR ROUTE
CITY: LEADORE
PHONE NUMBER: 208-000-0000

FIRST: BLANCHE
STATE: ID ZIP: 83464

OWNER CODE: O

LAST: WORTHING
ADDRESS:
CITY: N/A
PHONE NUMBER: 208-000-0000

FIRST: FRANK G
STATE: ID ZIP: 00000

OWNER CODE: O

LAST: WORTHING
ADDRESS:
CITY: N/A
PHONE NUMBER: 208-000-0000

FIRST: JESSIE
STATE: ID ZIP: 00000

OWNER CODE: O

LAST: WAGONER
ADDRESS: PO BOX 296
CITY: DUBOIS
PHONE NUMBER: 208-374-5415

FIRST: BETTY
STATE: ID ZIP: 83423

OWNER CODE: C

LAST: WAGONER
ADDRESS: PO BOX 296
CITY: DUBOIS
PHONE NUMBER: 208-374-5415

FIRST: MAC
STATE: ID ZIP: 83423

OWNER CODE: C

FIELD EXAM REQUIRED?

FIELD
EXAMINER
Y() N(X)

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE
Y

CLAIM REMARKS: GEN *** CHANGE OF OWNERSHIP FILED 5/17/99, ESV

CONTACT PERSON: MAC WAGOWER PHONE NUMBER: () - - -
 DATE OF FIELD EXAM: 5/13/79 APPOINTMENT MADE: Y() N() TIME: 10:00 A(X) P()
 ACCOMPANIED BY: MAC & RAY WAGOWER PHONE NUMBER: () - - -
 RELATIONSHIP TO CLAIMANT: OWNERS
 DIRECTIONS TO PROPERTY / NOTES:

NORTH HAY STACKS NEXT TO BEN CAMPBELL'S OLD HOUSE PROPERTY.

DROVE TO TOP OF MAC AND RAY. IT IS APPROX. 4 MILES UP PASS Ck RD. ON THE MAIN FORK OF PASS CREEK (USGS CALLED MOORE FISH). OWNERS USE STAIN BALES/TWALS TO DIRECT WATER INTO OLD PIT. WATER MASTER MEASURES WATER APPROX. 4 MILES DOWN STREAM NEAR HIGHWAY. WEIR IS A 3' RECTANGULAR WEIR - HIGH WATER MARK WAS 0.9' DEEP. RAIN ALREADY DEPTH MARK. THEN DROVE PERIMETER OF TOW, MARKING ASES PHOTO AND GROUND TRUTHING LOCATIONS - BASES PHOTO HAS CORPERS MARKED IN WRONG SPOT. - own property BIS. NO OTHER WATER SOURCE IS USED ON THIS PROPERTY, NOR IS IT POSSIBLE TO GET BIRCH CREEK WATER UP TO TOW. ORIGINAL CHANNEL IS DRY - ALL WATER IS DIVERTED INTO DITCH AND DOES NOT NORMALLY, EXCEPT IN EXTREME FLOODS, REACH BIRCH CREEK. THEY ARE ABLE TO CARRY THE WATER IN THE DITCH BECAUSE THEY SEAL WITH W/ BENTONITE CLAY AVOIDING HOT CLEAN WATER ACT & SEA ISSUES IF THEY WERE TO USE THE ORIGINAL STREAM BED. I TOOK PHOTOS OF TOW & WEIR & MARKED UP AERIAL PHOTO.

A. AJ CLAIM: # A32-00088	PRIORITY DATE: 07-29-1907	STAGE: D
B. WR RECORD: # 32-00088	PRIORITY DATE: 07-29-1907	STAGE: D
C. CAN THE PRIORITY DATE CLAIMED BE CONFIRMED BY A DECREE OR LICENSE?		Y(☒) N(☐)
D. HAS THERE BEEN A LATER COURT DECREE OF THE WATER RIGHT(S) FROM THIS WATER SOURCE?		Y(☐) N(☒)
E. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE? (IF YES, DESCRIBE BELOW)		Y(☐) N(☒)
F. IF THIS CLAIM IS BASED ON A PERMIT, WHERE IS THE PERMIT IN THE LICENSING PROCESS?		
PROOF OF BENEFICIAL USE SUBMITTED		N/A(☒) Y(☐) N(☐)
FIELD EXAM COMPLETED		N/A(☒) Y(☐) N(☐)
FIELD EXAM SENT TO STATE OFFICE		N/A(☒) Y(☐) N(☐)
LICENSE ISSUED		N/A(☒) Y(☐) N(☐)
* IF THE PERMIT WILL NOT BE LICENSED PRIOR TO THE DIRECTOR'S REPORT, USE CONDITION CODE A01 AND RECOMMEND AS PERMITTED.		
G. IF THIS CLAIM IS BASED ON BENEFICIAL USE, IS ADDITIONAL EVIDENCE OF THE PRIORITY DATE REQUIRED?		N/A(☒) Y(☐) N(☐)
* FOR CLAIMS BASED ON BENEFICIAL USE, DESCRIBE THE EVIDENCE OF PRIORITY SUBMITTED, INCLUDING THE ANALYSIS OF THE EVIDENCE.		
H. IS THE STAGE OF THE CLAIM CODED CORRECTLY?		Y(☒) N(☐)

NOTES:

RECOMMENDED PRIORITY DATE:

07-29-1907

REVIEWED BY

DATE 5/27/99

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP. RGE.	SEC.	1/4	1/4	1/4	1/4	LOT	FLAG	COUNTY	DIVERSION NAME	DIVERSION NUMBER
A32-00088	10N	30E	30	NE	NE	SW			CLARK		

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX
A32-00091
A32-10124
A32-10315

WR RECORDS IN SAME 40 ACRE TRACT
NONE

SOURCE: PASS CREEK

TRIB: BIRCH CREEK

B. WR POINT OF DIVERSION AND SOURCE:

3200088 THERE IS NO POD ASSOCIATED WITH THIS WATER RIGHT NUMBER

SOURCE: PASS CREEK

TRIB: BIRCH CREEK

C. IS THE CLAIMED POD WITHIN THE SAME 40 ACRE TRACT THAT IS DESCRIBED IN THE WATER RIGHT FILE? N/A (X) Y () N () NOT LISTED IN DECREE

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN POD, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

D. CAN THE CLAIMED POD BE VERIFIED USING THE WATER RIGHT FILE OR GPS DATA?

N/A (X) Y () N (X)

E. SHOULD THE CLAIMED POD BE VERIFIED BY FIELD EXAM?

Y (X) N ()

F. IS THE CLAIMED SOURCE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A () Y (X) N ()

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN SOURCE, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

G. CAN THE CLAIMED SOURCE BE VERIFIED USING THE WATER RIGHT FILE?

Y (X) N ()

H. SHOULD THE CLAIMED SOURCE BE VERIFIED BY FIELD EXAM?

Y (X) N ()

I. HOW WAS THE POD AND SOURCE VERIFIED?

LICENSING FIELD EXAM (DATE OF FIELD EXAM)

AJ FIELD EXAM (DATE OF FIELD EXAM 5/13/99 NAME OF EXAMINER Eric S. Verwer) Y (X) N ()

OTHER (DESCRIBE IN NOTES BELOW)

NOTES: POINT OF DIVERSION IS CLAIMED WAGON. THE CLAIMED POINT IS THE LOCATION THE WATER MASTER MEASURES THE WATER. THE ACTUAL DIVERSION INTO THE DITCH IS AS RECOMMENDED BELOW. THE USGS QUAD MAP (V35)(V34) SHOW SOURCE IS MIDDLE FORK PASS CREEK.

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE: CHECK HERE IF RECOMMENDED AS CLAIMED ()						POD		DIVERSION NAME		DIVERSION NBR	
TWP.	RGE.	SEC.	1/4	1/4	LOT	FLAG	COUNTY	CLARK			
10N	30E	30	NE	NE	SW						
19N	29E	3	SE	SE	NW		✓	WAGON DIVERSION			
---	---	---	---	---	---	---	---	---		---	
---	---	---	---	---	---	---	---	---		---	
---	---	---	---	---	---	---	---	---		---	
---	---	---	---	---	---	---	---	---		---	
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---	---	---	---	---	---	---	---	---		---	
---	---	---	---	---	---	---	---	---		---	

SOURCE: PASS CREEK

TRIB: BIRCH CREEK

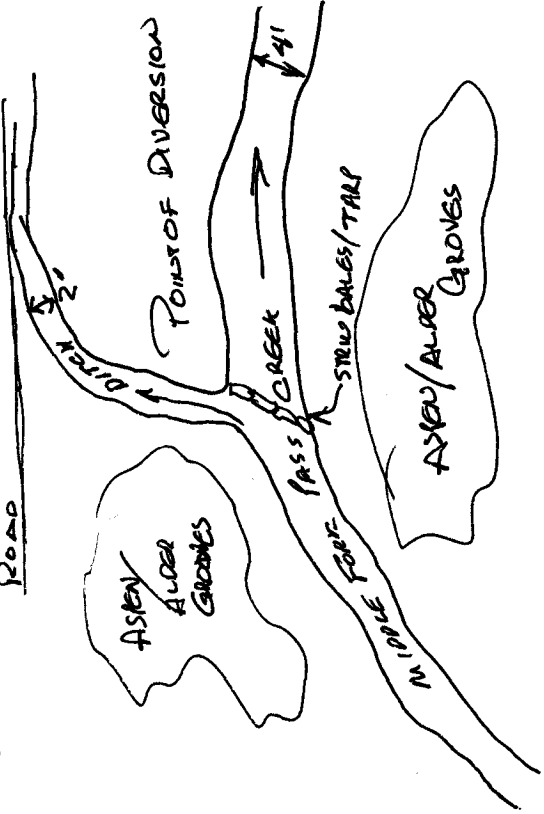
MIDDLE FORK PASS CREEK

REVIEWED BY: JS

DATE: 5/13/99

SYSTEM DESCRIPTION: DESCRIBED BELOW (X), OR SEE ATTACHMENT (X), SEE LICENSE FILE (), OR SEE ATTACHMENT (X) → USGS QUAD V35, SEE PHOTOGRAPH Pg. 10

N ↑



A. ROOT WATER RIGHT NUMBERS: A32-00088

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
10N	30E	29	NW	SW		WAGONER, BETTY	A32-00088 / 5.0	-	1.0	5.0	5
			NW	SW		WAGONER, BLANCHE	A32-10008 /	-			
			NW	SW		WAGONER, BLANCHE	32-10008 /	-			
			NW	SW		WAGONER, MAC	A32-00091 / 5.0	-			
			NW	SW		WAGONER, MAC	A32-10124 / 5.0	-			
			NW	SW		WAGONER, MAC	A32-10315 / 5.0	-			
10N	30E	29	SW	SW		WAGONER, BETTY	A32-00088 / 11.0	-	22.0		
			SW	SW		SIMMONS, WILLIAM T	A32-00061C /	32-00061C / 20.0			
			SW	SW		SIMMONS, WILLIAM T	A32-00068 / 20.0	32-00068 / 20.0			
			SW	SW		SIMMONS, WILLIAM T	A32-00069 / 20.0	32-00069 / 20.0			
			SW	SW		SIMMONS, WILLIAM T	A32-00089 / 15.0	32-00089 / 20.0			
			SW	SW		SIMMONS, WILLIAM T	A32-00092B / 20.0	-			
			SW	SW		SIMMONS, WILLIAM T	A32-00093 / 20.0	32-00093 / 20.0			
			SW	SW		SIMMONS, WILLIAM T	A32-10041 / 15.0	-			
			SW	SW		BIRCH CREEK RANCHES INC	A32-00091A / 20.0	-			
			SW	SW		WAGONER, MAC	A32-00091 / 11.0	32-00091 / 20.0			
			SW	SW		WAGONER, MAC	A32-10124 / 11.0	-			
			SW	SW		WAGONER, MAC	A32-10315 / 11.0	-			
			SW	SW		SIMMONS, WILLIAM T.	-	-			
			SW	SW		SIMMONS, WILLIAM T	32-00092 / 20.0	32-00092A / 20.0			
10N	30E	30	SW	NE		WAGONER, BETTY	A32-00088 / 20.0	-	38.0	16	16
			SW	NE		SIMMONS, WILLIAM T	A32-00061C /	32-00061C / 30.0			
			SW	NE		SIMMONS, WILLIAM T	A32-00068 / 30.0	32-00068 / 30.0			
			SW	NE		SIMMONS, WILLIAM T	A32-00069 / 30.0	32-00069 / 30.0			
			SW	NE		SIMMONS, WILLIAM T	A32-00089 / 2.0	32-00089 / 30.0			
			SW	NE		SIMMONS, WILLIAM T	A32-00092B / 30.0	-			
			SW	NE		SIMMONS, WILLIAM T	A32-00093 / 30.0	32-00093 / 30.0			
			SW	NE		SIMMONS, WILLIAM T	A32-10041 / 2.0	-			
			SW	NE		BIRCH CREEK RANCHES INC	A32-00091A / 30.0	-			
			SW	NE		WAGONER, MAC	A32-00091 / 20.0	32-00091 / 30.0			
			SW	NE		WAGONER, MAC	A32-10124 / 20.0	-			
			SW	NE		WAGONER, MAC	A32-10315 / 20.0	-			
			SW	NE		SIMMONS, WILLIAM T.	-	-			
			SW	NE		SIMMONS, WILLIAM T	32-00092 / 30.0	32-00092A / 30.0			
10N	30E	30	SE	NE		WAGONER, BETTY	A32-00088 / 20.0	-	2.0	19	19
			SE	NE		SIMMONS, WILLIAM T	A32-00061C /	32-00061C / 20.0			
			SE	NE		SIMMONS, WILLIAM T	A32-00068 / 20.0	32-00068 / 20.0			
			SE	NE		SIMMONS, WILLIAM T	A32-00069 / 20.0	32-00069 / 20.0			
			SE	NE		SIMMONS, WILLIAM T	A32-00089 / 2.0	32-00089 / 20.0			
			SE	NE		SIMMONS, WILLIAM T	A32-00092B / 20.0	-			
			SE	NE		SIMMONS, WILLIAM T	A32-00093 / 20.0	32-00093 / 20.0			

use 0.5
0.0001

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES	
10N	30E	30	SE	NE		SIMMONS, WILLIAM T	A32-10041 / 2.0	-	25.0	32	32	
						BIRCH CREEK RANCHES INC	A32-00091A / 20.0	-				
						WAGONER, MAC	A32-00091 / 20.0	32-00091				20.0
						WAGONER, MAC	A32-10124 / 20.0	-				
						WAGONER, MAC	A32-10315 / 20.0	-				
						SIMMONS, WILLIAM T.	32-00092 / 20.0	32-00090A / 20.0				
10N	30E	30	NE	SE		WAGONER, BETTY	A32-00088 / 33.0	-	20.0	1.0	0.0	
						WAGONER, MAC	A32-00091 / 33.0	-				
						WAGONER, MAC	A32-10124 / 33.0	-				
						WAGONER, MAC	A32-10315 / 33.0	-				
						WAGONER, BETTY	A32-00088 / 2.0	-				
						WAGONER, MAC	A32-00091 / 2.0	-				
10N	30E	30	NW	SE		WAGONER, MAC	A32-10124 / 2.0	-	30.0	1.0	0.0	
						WAGONER, MAC	A32-10315 / 2.0	-				
						AMERICA ACTING THROUGH, UNITED	A32-10360 /	-				
						AMERICA ACTING THROUGH, UNITED	32-10360 /	-				
						WAGONER, BETTY	A32-00088 / 1.0	-				
						WAGONER, MAC	A32-00091 / 1.0	-				
10N	30E	30	SE	SE		WAGONER, MAC	A32-10124 / 1.0	-	1.0	1.0	0.0	
						WAGONER, MAC	A32-10315 / 1.0	-				
						WAGONER, MAC	A32-10315 / 1.0	-				
						WAGONER, MAC	A32-10315 / 1.0	-				
						WAGONER, MAC	A32-10315 / 1.0	-				
						WAGONER, MAC	A32-10315 / 1.0	-				

POU COUNTY: CLARK

ADDITIONAL POU FOUND Yes:

* 1100 R3E 29 S42 SW

* 32 NW NW

14.0

4.0

TOTAL ACRES A32-00088

138.00

92.00

106

NEED TO AMEND POU -

* * rounded

Quinn

6/2/99 that Quinn
to add to BLM
and drop down

BLM PROPERTY

BLM PROPERTY

104
8.6 - road
at

6/2/99

C. IS WATER USAGE FOUND IN TRACTS OTHER THAN THOSE CLAIMED?

Y(☒) N(☐)* IF YES, ARE THESE TRACTS LISTED ABOVE (☒) , OR ARE THEY LISTED ON AN ATTACHED SHEET (☐)

LIST OF ALL RIGHTS WITH A SAME POI AND IRRIGATION USAGE

CLAIM NO.	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A32-00088	PASS CREEK	WAGONER, BETTY	1.000	0.010		
A32-00061C	BIRCH CREEK	SIMMONS, WILLIAM T	1.600	0.001		
A32-00068	BIRCH CREEK	SIMMONS, WILLIAM T	3.200	0.003		
A32-00069	BIRCH CREEK	SIMMONS, WILLIAM T	3.200	0.003		
A32-00089	BIRCH CREEK	SIMMONS, WILLIAM T	2.500	0.002		
A32-00091	PASS CREEK	WAGONER, MAC	0.500	0.005		
A32-00091A	BIRCH CREEK	BIRCH CREEK RANCHES INC	0.500			
A32-00092B	BIRCH CREEK	SIMMONS, WILLIAM T	2.500	0.002		
A32-00093	BIRCH CREEK	SIMMONS, WILLIAM T	1.600	0.001		
A32-10041	UNNAMED SPRING	SIMMONS, WILLIAM T	2.000	0.005		
A32-10124	PASS CREEK	WAGONER, MAC	2.500	0.027		
A32-10315	PASS CREEK	WAGONER, MAC	6.000	0.065		

LIST ALL RIGHTS WITH SAME POI BUT NOT USED FOR IRRIGATION.

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A32-10008	STOCKWATER	WAGONER, BLANCHE	FROM 01-01 TO 12-31	0.020 CFS	
A32-10008	DOMESTIC	WAGONER, BLANCHE	FROM 01-01 TO 12-31	0.040 CFS	
32-10008	STOCKWATER	WAGONER, BLANCHE	FROM 01-01 TO 12-31	0.020 CFS	
32-10008	DOMESTIC	WAGONER, BLANCHE	FROM 01-01 TO 12-31	0.040 CFS	
A32-00061C	STOCKWATER	SIMMONS, WILLIAM T	FROM 01-01 TO 12-31	0.230 CFS	
A32-00068	STOCKWATER	SIMMONS, WILLIAM T	FROM 01-01 TO 12-31	0.230 CFS	
A32-00069	STOCKWATER	SIMMONS, WILLIAM T	FROM 01-01 TO 12-31	0.230 CFS	
A32-00089	STOCKWATER	SIMMONS, WILLIAM T	FROM 01-01 TO 12-31	0.230 CFS	
A32-00092B	STOCKWATER	SIMMONS, WILLIAM T	FROM 01-01 TO 12-31	0.230 CFS	
A32-00093	STOCKWATER	SIMMONS, WILLIAM T	FROM 01-01 TO 12-31	0.230 CFS	
A32-10041	STOCKWATER	SIMMONS, WILLIAM T	FROM 01-01 TO 12-31	0.230 CFS	
A32-10360	STOCKWATER	AMERICA ACTING THROUGH, UNITED	FROM 01-01 TO 12-31	0.140 CFS	
A32-10360	WILDLIFE	AMERICA ACTING THROUGH, UNITED	FROM 01-01 TO 12-31	0.010 CFS	
32-10360	STOCKWATER	AMERICA ACTING THROUGH, UNITED	FROM 01-01 TO 12-31	0.020 CFS	

D. ARE OTHER WATER RIGHTS USED FOR THE SAME PURPOSE?

Y(☐) N(☐)

* IF YES, COMPLETE OVERLAP REVIEW:

OTHER RIGHTS LISTED IN CLAIM: A32-00091/10124

E. IS THE CLAIMED POU THE SAME AS DESCRIBED IN THE WATER RIGHT FILE?

N/A() Y() N(X)

* IF NO, AND IF THE CHANGE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN POU, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

F. CAN THE CLAIMED POU BE VERIFIED USING THE WATER RIGHT FILE AND AVAILABLE AERIAL PHOTOS?

N/A() Y() N(X)

G. SHOULD THE CLAIMED POU BE VERIFIED BY FIELD EXAM?

Y(X) N()

H. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE OF THIS RIGHT, OR ANY PORTION OF THIS RIGHT?

Y() N(X)

Examined on 5/13/99

5/13/99
ESV

PASS CREEK
POD

5/13/99 ESV
PASS CREEK WEIR



CHECK DOCUMENTS USED TO VERIFY POB: () ORTHOPHOTOQUAD, IDMR NO. _____; (X) TOPOGRAPHIC QUAD, IDMR NO. V35, V34;

(X) NAPP, IDMR NO. 1987, GIS; (X) ASCS PHOTO; () OTHER _____

NOTES: VERIFIED w/ NROS AERIAL PHOTO FROM OWNER, DATE UNKNOWN, BUT APPEARS TO MATCH
POB'S 1987 NAPP PHOTO. Drove to boundary of property and VERIFIED USE. Owners
AGREED w/ AERIAL DEPICTION OF POB, ADDING SOME POB w/ SEC 29 & 32.

RECOMMENDATIONS:

TOTAL ACRES: _____ N/A()

REVIEWED BY: _____ DATE: _____

PURPOSE OF USE, PERIOD OF USE, DIVERSION RATE AND DIVERSION VOLUME REVIEW SHEET

A. AJ CLAIMED USES:

PURPOSE OF USE	PERIOD OF USE (MONTH/DAY)	DIV. RATE FOR EACH USE	DIV. VOL. FOR EACH USE
A32-00088 IRRIGATION	FROM 04-01 TO 11-01	1.000 CFS	
TOTAL DIVERSION RATE/VOLUME		1.000 CFS	

B. WR RECORDED USES:

PURPOSE OF USE	PERIOD OF USE (MONTH/DAY)	DIV. RATE FOR EACH USE	DIV. VOL. FOR EACH USE
32-00088 IRRIGATION	FROM TO	1.000 CFS	
TOTAL DIVERSION RATE/VOLUME		1.000 CFS	

C. DOES THE CLAIMED PURPOSE OF USE CORRECTLY DESCRIBE THE WATER USE? Y(☒) N(☐)D. IS THE CLAIMED PURPOSE OF USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE? N/A(☐) Y(☒) N(☐)

* IF NO, AND IF THE ACTUAL WATER USE IS VERIFIED AS AN ACCOMPLISHED CHANGE IN PURPOSE OF USE, DESCRIBE THE INJURY ANALYSIS PERFORMED AND ENTER FLAG "C" WITH THE APPROPRIATE EXPLANATORY CODE.

E. SHOULD THE CLAIMED PURPOSE OF USE BE VERIFIED BY FIELD EXAM? Y(☐) N(☒)F. DOES THE CLAIMED PERIOD OF USE CONFORM TO IDWR STANDARDS? Y(☐) N(☐)G. SHOULD THE PERIOD OF USE BE RECOMMENDED TO IDWR STANDARDS? Y(☒) N(☐)

* IF THE RECOMMENDED PERIOD OF USE IS DIFFERENT THAN IDWR STANDARDS, EXPLAIN IN NOTES BELOW.

H. IS THE CLAIMED DIVERSION RATE FOR EACH USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE? N/A(☒) Y(☒) N(☐)

* IF NO, DESCRIBE IN NOTES BELOW HOW THE RECOMMENDED DIVERSION RATE FOR EACH USE WAS DETERMINED.

I. SHOULD THE CLAIMED DIVERSION RATE FOR EACH USE BE VERIFIED BY FIELD EXAM? N/A(☒) Y(☐) N(☐)J. IS THE CLAIMED DIVERSION VOLUME FOR EACH USE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE? N/A(☒) Y(☐) N(☐)

* IF NO, DESCRIBE IN NOTES BELOW HOW THE RECOMMENDED DIVERSION VOLUME FOR EACH USE WAS DETERMINED.

K. SHOULD THE CLAIMED DIVERSION VOLUME FOR EACH USE BE VERIFIED BY FIELD EXAM? N/A(☐) Y(☐) N(☒)

NOTES:

Right is claimed in Full for Decided Use.

AJ CLAIM TOTAL DIVERSION RATE: 1.000 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.000 CFS

- A. IS THE CLAIMED TOTAL DIVERSION RATE THE SAME AS DESCRIBED IN THE WATER RIGHT FILE? N/A() Y(X) N()
B. CAN THE CLAIMED TOTAL DIVERSION RATE BE VERIFIED USING THE WATER RIGHT FILE? N/A() Y(X) N()

* ALL CLAIMS BASED ON BENEFICIAL USE (INCLUDING POSTED NOTICES AND STATUTORY CLAIMS) REQUIRE A FLOW MEASUREMENT.

- C. IS THERE ANY INDICATION THAT THERE HAS BEEN A FIVE YEAR PERIOD OF CONTINUOUS NONUSE OF THIS RIGHT, OR ANY PORTION OF THE DIVERSION RATE? Y() N(X)

* IF AN AMOUNT SMALLER THAN THE ORIGINAL DIVERSION RATE IS CLAIMED AND A FIELD EXAM IS NOT REQUIRED, EXPLAIN IN NOTES.

- D. SHOULD THE CLAIMED DIVERSION RATE BE VERIFIED BY FIELD EXAM? Y() N(X)

FLOW MEASUREMENT

E. MEASUREMENT METHOD Water over 3' rectangular weir, max depth of 9' = 8.02 cfs, SEE ATTACHED CALCULATIONS.

F. RATE/VOLUME CALCULATIONS: (IRRIGATION)

- 1a. IRRIGATION RATE
ACRES _____ x 0.02 CFS/ACRE = _____ CFS
(Taken from pou review)

IS A DIVERSION RATE PER ACRE GREATER THAN 0.02 CFS/ACRE CLAIMED? Y() N()
IF YES, IS AN ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N()

2. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = _____ AF/A

ACRES _____ x DIVERSION VOL. AF/A FOR AREA _____ =

TOTAL DIVERSION VOLUME _____ AF/A

3. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = _____ 230.0 AF/A

ACRES _____ x CONSUMPTIVE VOL. AF/A FOR AREA _____ =

TOTAL CONSUMPTIVE USE _____ AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION: SEE BELOW () OR SEE ATTACHMENT ()

* From Pg. 246, USDA, BOR,
WATER MEASUREMENT
MANUAL - 1984

[illegible]

WR RECORD CONDITIONS/REMARKS:

RECOMMENDATIONS: CHECK HERE IF RECOMMENDED AS CLAIMED ()

REC. PURPOSE OF USE	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
IRRIGATION	04-01 11-01	DATABASE EXAMINER 1.000	DATABASE EXAMINER 230.0	DATABASE EXAMINER 230.0
TOTAL FOR THIS RIGHT		1.000		230.0

NON-IRRIGATION USES CLAIMED: NONE

NON-IRRIGATION USES RECOMMENDED: CHECK HERE IF RECOMMENDED AS CLAIMED (X)

REVIEWED BY: _____ DATE: _____

FLAG: _____
STANDARD CONDITIONS (CODE): _____

STANDARD REMARKS (CODE):

EXPLANATORY CONDITIONS (CODE):

EXPLANATORY REMARKS (CODE):

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

ACCEPTED
AS CLAIMED
()
()
()
()
NEEDS
REVIEW
()
()
()
()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 32-00088

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
1.000

EXAMINER
1.00

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A32-00088	1.000	-	1.00	32-00088	1.000
TOTAL CFS		1.000	1.00			1.000

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, IS THE WRITTEN REVIEW DESCRIBED BELOW () OR SEE ATTACHMENT ()?

DATABASE
Y

FIELD
EXAMINER
Y () N ()

NOTES:

RIGHT IS CLAIMED IN FULL.

AUTHENTICATION:

SIGNATURE:

DATE:

NAME OF FIELD EXAMINER:

TITLE:

SWA

MAPS AND AERIAL PHOTOGRAPHS USED TO REVIEW THIS NOTICE OF CLAIM TO A WATER RIGHT

TYPE OF MAP OR PHOTOGRAPH (CHECK IF USED)	IF USED, SUPPLY APPROPRIATE DATE AND OTHER INFORMATION	COPY INCLUDED IN FILE?
☐ ORTHOPHOTOQUAD	DATE OF PHOTO _____ IDWR ID NO. _____	Y() N()
☒ TOPOGRAPHIC	DATE FIELD CHECKED <u>?</u> _____ IDWR ID NO. <u>V35</u> _____	Y() N()
☒ NAPP	DATE OF PHOTO <u>1987, GIS</u> _____ IDWR ID NO. _____	Y() N()
☒ ASCS AERIAL PHOTO	DATE OF PHOTO <u>? (suspect 1987)</u> _____	Y() N()
☐ ASCS COLOR SLIDE	DATE OF PHOTO _____	Y() N()
☐ BLM OR USFS AERIAL PHOTO	DATE OF PHOTO _____	Y() N()
☐ TOWNSHIP SURVEY (GOVERNMENT PLAT)	DATE OF SURVEY _____	Y() N()
☐ SCS SOIL SURVEY MAP	DATE ISSUED _____	Y() N()
☐ SUBDIVISION PLAT MAP	DATE OF MAP _____	Y() N()
☐ OTHER _____	DATE _____	Y() N()
☐ OTHER _____	DATE _____	Y() N()
☐ OTHER _____	DATE _____	Y() N()

LIST OF ATTACHMENTS (CHECK IF ATTACHED)

IF ATTACHED, SUPPLY APPROPRIATE INFORMATION	NO. OF PAGES	NOTES
☐ LICENSING FIELD EXAM	_____	_____
☐ WATER RIGHT LICENSE	_____	_____
☐ IDWR APPROVED TRANSFER	_____	_____
☐ SYSTEM DESCRIPTION	_____	_____
☒ PHOTOGRAPHS	<u>5/13/99</u>	<u>Pg 10 of CVR- P007, 10212</u>
☐ SPLIT RIGHT REVIEW	_____	_____
☐ HUBBLE ANALYSIS	_____	_____
☐ CONVEYANCE LOSS ANALYSIS	_____	_____
☒ FLOW MEASUREMENT CALCULATIONS	<u>5/14/99</u>	<u>1 See Pg. 13.</u>
☐ OTHER _____	_____	_____
☐ OTHER _____	_____	_____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

14:05:51
05/27/99

PAGE: 18
QUICKLOOK INFORMATION

18
CLAIM NUMBER: A32-00088

WR ELEMENT	DATA DISCREPANCY Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	ELEMENT DOCUMENTED WHOM/DATE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE								
POINT OF DIV	Y							
SOURCE								
PLACE OF USE	Y							
DIV. AMOUNT CFS/VOLUME								
CONSUMPTIVE USE	-							
PURPOSES OF USE								
PERIOD OF USE	Y							
BASIS OF CLAIM								
REMARKS	Y							

BARCODE UPDATED
WHOM/DATE

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

14-07-29
05/27/99
19

PAGE: 19
PROFILE REPORT

CLAIM NUMBER: A32-00088

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	BETTY WAGONER	07/29/1907	IRRIGATION	04-01 11-01	1.00 CFS	
C	MAC WAGONER				1.00 CFS	230.00 AFA

TOTAL DIVERSION:
CONSUMPTIVE USE:

Water Source: PASS CREEK
Point(s) of Diversion: T10N R30E S30 NENESEW
Tributary to: BIRCH CREEK
Stage: DECREED
CLARK County

Place of use Legal Description for: IRRIGATION

NE		NW		SW		SE											
T	R	S	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac					
10N	30E	29	:	:	:	:	:	:	:	:	:	:					
10N	30E	30	:	20	:	20	:	05	:	11	:	:					
										33	:	02	:	01	:		
										TOTAL ACRES			16.0	:	76.0	:	92.0

PQU County: CLARK

Non-Irrigation Uses: NONE

Other Rights: A32-00091/10124

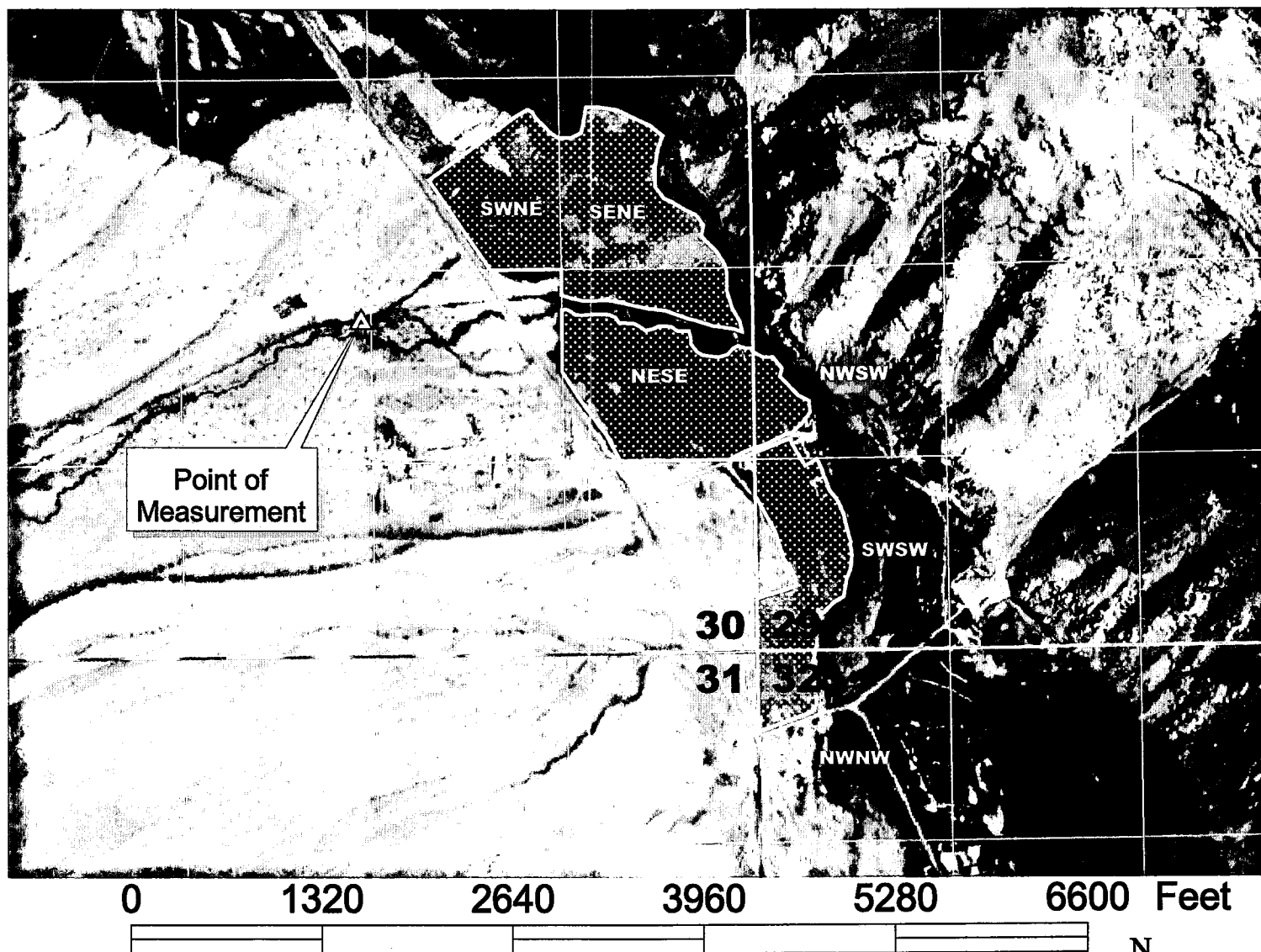
Remarks: GEN *** CHANGE OF OWNERSHIP FILED 5/17/99, ESV

Dates: Exam Made Date: Verified Date: Objection Filed Date:

Misc: Water District Number: 32D Field Inspection Flag: Presumption Flag:

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Nos. 32-00088 & 32-10315



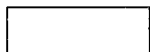
Point of Measurement



Place of Use
Boundary

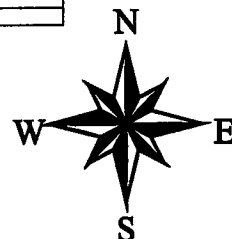


Section Lines



Quarter/Quarter Lines

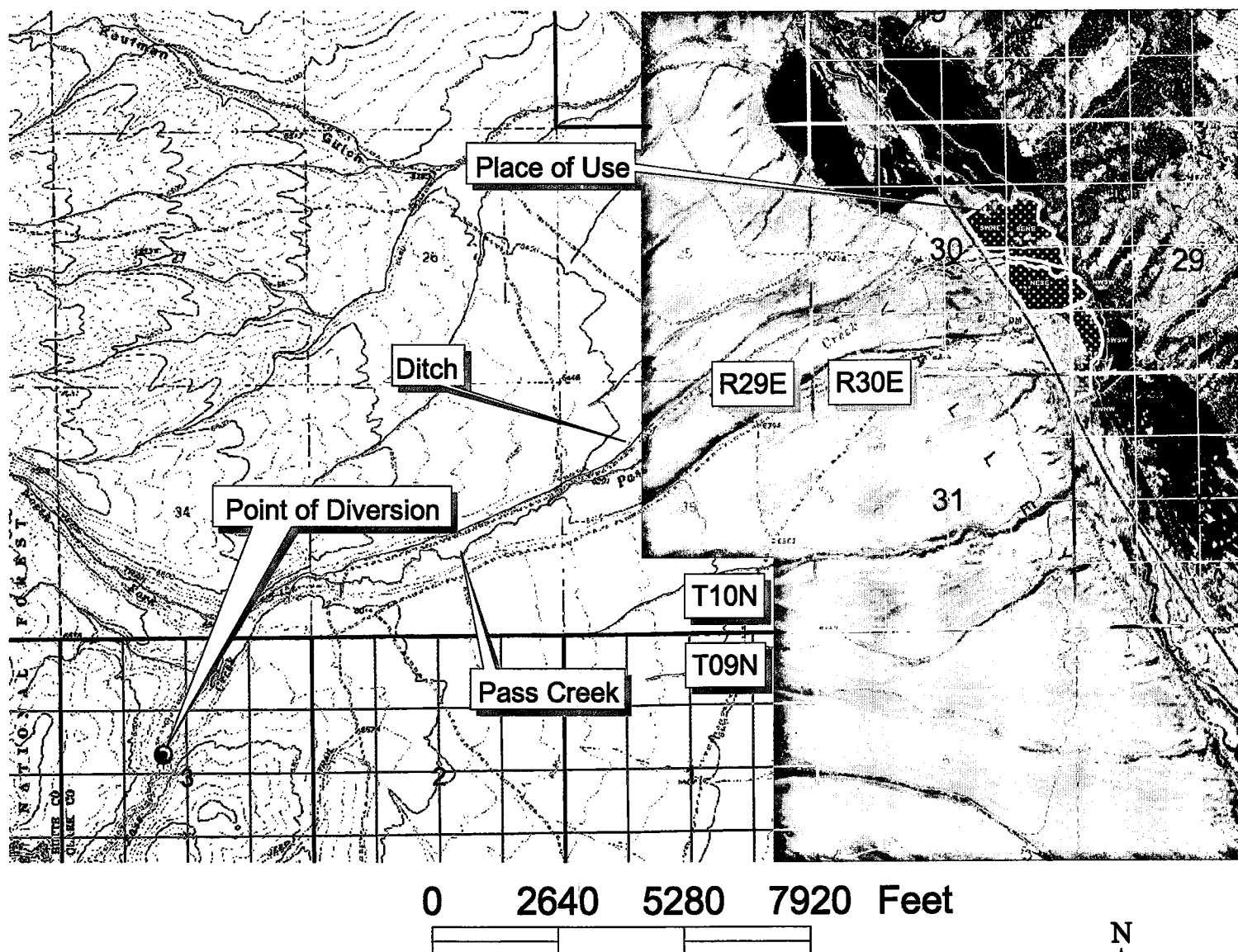
Townships 10N Range 30E
Acres Irrigated: 104



GIS Place of Use Illustration
1987 NAPP Photography
Prepared by: Eric S. Verner
Date: June, 1999

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Nos. 32-00088 & 32-10315



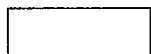
Point of Diversion



Place of Use
Boundary

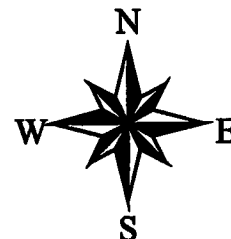


Section Lines



Quarter/Quarter Lines

Townships 9N & 10N, Ranges 29E & 30E
Source: Middle Fork Pass Creek



GIS Place of Use Illustration
1987 NAPP Photography
Prepared by: Eric S. Verner
Date: June, 1999

Water Right Number - R32-00088	Prefix Translation: RESEARCH	Old (D) Number -
----- Last Name ----- +	+ - First Name - - +	+ - - - - - Address - - - - - +
*** C - CURRENT OWNER *** WAGONER	BETTY	1 - PO BOX 296 2 - 3 - City- DUBOIS Phone - 208-374-5415 1 - PO BOX 296 2 - 3 - State- ID Zip- 83423
WAGONER	MAC	City- DUBOIS Phone - 208-374-5415 2 - 3 - State- ID Zip- 83423
*** O - ORIGINAL OWNER *** WAGONER	BLANCHE	1 - STAR ROUTE 2 - 3 - City- LEADORE Phone - 208-000-0000 1 - 2 - 3 - State- ID Zip- 83464
WORTHING	JESSIE	City- N/A Phone - 208-000-0000 1 - 2 - 3 - State- ID Zip- 00000
WORTHING	FRANK G	City- N/A Phone - 208-000-0000 1 - 2 - 3 - State- ID Zip- 00000
----- Priority Date - - + 07/29/1907	+ - - - - Region - - - + 15 EASTERN	+ - - - - Stage - - - + J - BENEFICIAL USE
+ - - - - Source - - - - - + PASS CREEK	+ - - - - - - - - +	+ - - - - Tributary - - - - - + BIRCH CREEK
+ - - - - - - - - - - - - - - +	+ - - - - Point of Diversion - - - - - +	+ - - - - - - - - - - - - - - +
Trn Rng Sec Tract Lot RFlg County		
09N 29E 3 SE SE NW (33) CLARK		WAGONER DIVERSION
+ - - - - - - - - - - - - - - +	+ - - - - Water Use - - - - - +	+ - - - - Diversion Rate Diversion Volume
Code Description	Period From Period To	
01 - IRRIGATION	04/01 10/31	1.000
+ - - Total Div. Rate - - +	+ - - Total Div. Volume - - +	+ - - Total Consumptive Use - - +
1.000		0.0

Twn	Rng	Sec	Tract	Lot	Acres	Place of Use	Description	County
10N	30E	29	NW SW		4.3		01 IRRIGATION	(33) CLARK
10N	30E	29	SW SW		14.0		01 IRRIGATION	(33) CLARK
10N	30E	30	SW NE		16.0		01 IRRIGATION	(33) CLARK
10N	30E	30	SE NE		19.0		01 IRRIGATION	(33) CLARK
10N	30E	30	NE SE		32.0		01 IRRIGATION	(33) CLARK
10N	30E	32	NW NW		4.3		01 IRRIGATION	(33) CLARK

+ - - Diversion Means - HEADGATE TO DITCHES FOR FLOOD IRRIGATION 89.6 Total Acres:

+ - - Other Rights for Same Use - A32-10315

..... Remarks

	No Old Water Right Numbers Found	Old Water Right Numbers	
+	- - - - -	- - - - -	+

+ - - - - - Conditions of Approval - - - - - +
No Conditions of Approval found.

+ + - - -	- Decree Plaintiff	- - - +	+ - - - -	- Decree Defendant	- - - +	+ - - Decree Date
	AGNES B. RENO, ET. AL.			J. R. RICHARDS, ET. AL.		09/06/1922

Date: 07/22/1999	User Id: BCONTOR	Subject: COPIED FROM REMARKS	-Comments-
*** CHANGE OF OWNERSHIP FILED 5/17/99, ESV			*** AMENDED CLAIM TO CORRECT POU AND POO, ESV 6/3/99

+ - - Audit Fields - - +
07/23/99 BCONTOR

Court Report Filing	- 00/00/0000	Field Inspection Made	- 00/00/0000	Civil Case Number	- 39576
Objection Filed Date	- 00/00/0000	Field Inspection Flag	-	Old Case Number	-
Response Filed Date	- 00/00/0000	Verified Date	- 00/00/0000	Old Judicial District	-
Claim Received Date	- 06/03/1999	Last Amended Date	- 06/03/1999	Temporary Right	- P
		Receipt Number	- E025035	Water District	- 32D
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- OR	Presumption Flag	-
				Notice of Error Flag	-

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: **A32-00088**
Date Received: 7/27/1988
Receipt No: E000903
Received By: EA

AMENDED

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

AMENDED

1. Name: BETTY WAGONER 208-374-5415
Address: PO BOX 296
DUBOIS ID 83423

OR

Name: MAC WAGONER 208-374-5415
Address: PO BOX 296
DUBOIS ID 83423

2. Date of Priority: JUL 29, 1907

3. Source: PASS CREEK Trib. to: BIRCH CREEK

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
09N	29E	3	SE	SE	NW		CLARK

5. Description of diverting works:
HEADGATE TO DITCHES FOR FLOOD IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.000		

7. Total Quantity Appropriated is:
1.000 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 230.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
10N	30E	29	NW		SW		IRR	5.0
			SW		SW		IRR	14.0
			SW		SW		IRR	14.0
			Section Acres					33.0
		30	SW		NE		IRR	16.0
			SE		NE		IRR	19.0
			NE		SE		IRR	32.0
			Section Acres					67.0
		32	NW		NW		IRR	4.0
			Section Acres					4.0
			Total Acres					104.0

11. Place of use in counties: CLARK

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
A32-10315

14. Remarks:
*** CHANGE OF OWNERSHIP FILED 5/17/99, ESV
*** AMENDED CLAIM TO CORRECT POU AND POD, ESV 6/3/99

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date: 9/ 6/1922

AGNES B. RENO, ET. AL.
Decree Plaintiff

J. R. RICHARDS, ET. AL.
vs Decree Defendant

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not X wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: 1

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): Mac Wagoner Date: 6-3-99

Stetty Wagoner Date: 6-3-99

State of Idaho)
County of Bonneville) SS.

Subscribed and sworn (or affirmed) before me this 3rd day

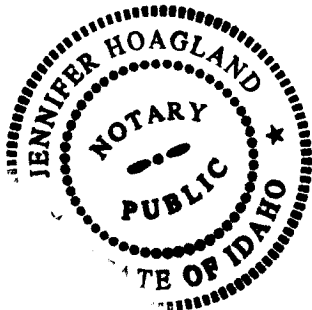
of June 19 99

Jennifer Hoagland
Notary Public

Seal

Residing at Idaho Falls Id

My Commission Expires 9-23-03



IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: **A32-00088**
Date Received: 7/27/1988
Receipt No: E000903
Received By: _____

**COPY FOR
YOUR FILES**

**NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW**

**COPY FOR
YOUR FILES**

1. Name:	MAC WAGONER	208-374-5415
Address:	PO BOX 296	
	DUBOIS ID	83423
	OR	
Name:	BETTY WAGONER	208-374-5415
Address:	PO BOX 296	
	DUBOIS ID	83423

2. Date of Priority: JUL 29, 1907

3. Source: PASS CREEK Trib. to: BIRCH CREEK

4. Point of Diversion:

Township	Range	Section	1/4	of	1/4	of	1/4	Lot	County
10N	30E	30	NE		NE		SW		CLARK

5. Description of diverting works:
HEADGATE TO DITCHES FOR FLOOD IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.000		

7. Total Quantity Appropriated is:
1.000 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 230.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

10. Place of Use:

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
10N	30E	29	NW		SW		IRR	5.0
			SW		SW		IRR	11.0
							Section Acres	16.0
		30	SW		NE		IRR	20.0
			SE		NE		IRR	20.0
			NE		SE		IRR	33.0
			NW		SE		IRR	2.0
			SE		SE		IRR	1.0
							Section Acres	76.0
							Total Acres	92.0

11. Place of use in counties: CLARK

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
A32-00091/10124

14. Remarks:
*** CHANGE OF OWNERSHIP FILED 5/17/99, ESV

15. Basis of Claim: DECREED

Case Number:

Court :

Decree date: 9/ 6/1922

AGNES B. RENO, ET. AL.
Decree Plaintiff

J. R. RICHARDS, ET. AL.
vs Decree Defendant

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A32-00088
Date Received: 7/01/1988
Receipt No: E000 903
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: BLANCHE WAGONER
Address: STAR ROUTE
LEADORE, ID

83464

2. Date of Priority: JUL 29, 1907

3. Source: PASS CREEK

Trib. to: BIRCH CREEK

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
10N	30E	30	NE	NE	SW		CLARK

5. Description of diverting works:
HEADGATE TO DITCHES FOR FLOOD IRRIGATION

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	04/01	11/01	1.000		

7. Total Quantity Appropriated is:
1.000 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 230.0 Acre Feet Per Annum.

9. Non-irrigation uses:
NONE

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
10N	30E	29	NW	SW		IRR	5.0
			SW	SW		IRR	11.0

Section Acres 16.0

A32-00088

Page

1

Date: 07/22/88

MICROFILMED
NOV 18 1992

JUL 28 1988

Department of Water Resources
Eastern District Office

A3200088

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
10N	30E	30	SW	NE		IRR	20.0✓
			SE	NE		IRR	20.0✓
			NE	SE		IRR	33.0✓
			NW	SE		IRR	2.0✓
			SE	SE		IRR	1.0✓
						Section Acres	76.0
						Total Acres	92.0

11. Place of use in counties: CLARK

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
A32-00091/10124

14. Remarks:

15. Basis of Claim: DECREED
Case Number:
Court :
Decree date: 9/06/1922

AGNES B. RENO, ET. AL.
Decree Plaintiff

vs

J. R. RICHARDS, ET. AL.
Decree Defendant

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not _____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

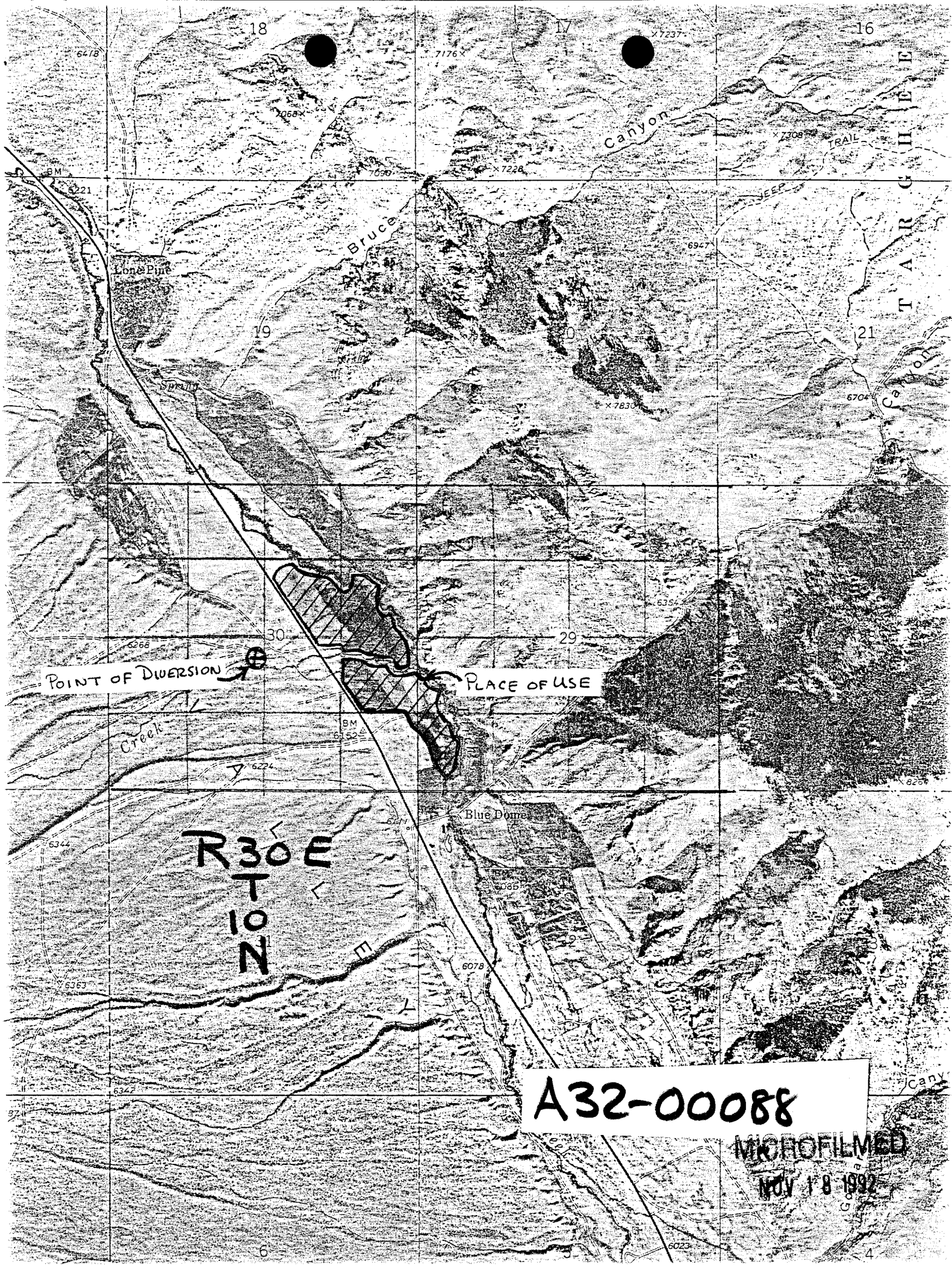
✓ Signature of Claimant(s): Blanche Wagner Date: July 25-1988
_____ Date: _____

State of Idaho)
County of Jefferson) SS.

Subscribed and sworn (or affirmed) before me this 25th day
of July 19 88 Cindy Nickell
Notary Public

Seal

Residing at Perreton
My Commission Expires Oct. 1988



1920
382A

R30E
T10N

POINT OF
DIVERSION

PLACE OF USE

382A

Wm. SIMMONS

MAC WAGONER

C65

T199

JANICE
JUDY

A32-00088

T10N R30E

MICROFILMED

NOV 18 1992

13.9