

To: 73-4079

From: D. Shaff

Date: December 10, 2009

Subject: Irrigation Requirements

See 73-4080 for supporting documents

Soils at place of use

MUSYM	13	14	4
MUKEY	83012	83023	38174
Est. of field	59%	1%	40%
55 % field efficiency			

Average Water Holding Capacity (AWC)

Fine Sand	.05-.08
Sand	.04-.07
Loamy Sand	.06-.09

Maximum Root Zone = 3 ft.

Maximum Consumptive Use per day = 7.81 mm/day = 0.3075 inches/day

Table C-3 attached

Field Irrigation Requirement per acre (FIR in cfs) = $4.2 \times (\text{CU}/\text{FAE})$

CU = Consumptive Use

FAE = Field Application Efficiency

$\text{FIR} = 4.2 \times (0.3075/55) = 0.0235 \text{ cfs/acre}$

$\text{FIR for 73-4079} = 0.0235 \times 3.0 \text{ acres} = 0.07 \text{ cfs}$

~~Minimal to no conveyance loss~~ from spring to place of use

Total for 73-4079 = 0.07 cfs.

1/13/10

Overriding factor is MWR approach where irrigation of 5 acres or less, .03 cfs per acre can be warranted. Therefore, this right for 3 acres is recommended at .09 cfs, plus 50% conveyance loss = .20 cfs as claimed.

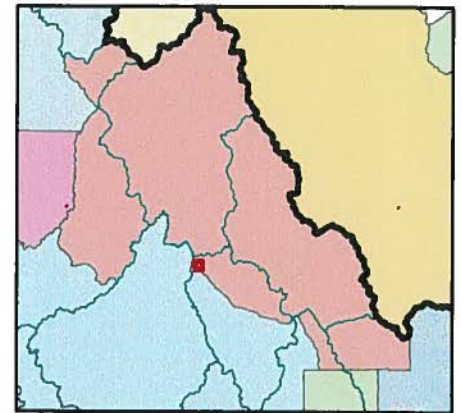


Idaho Department of Water Resources

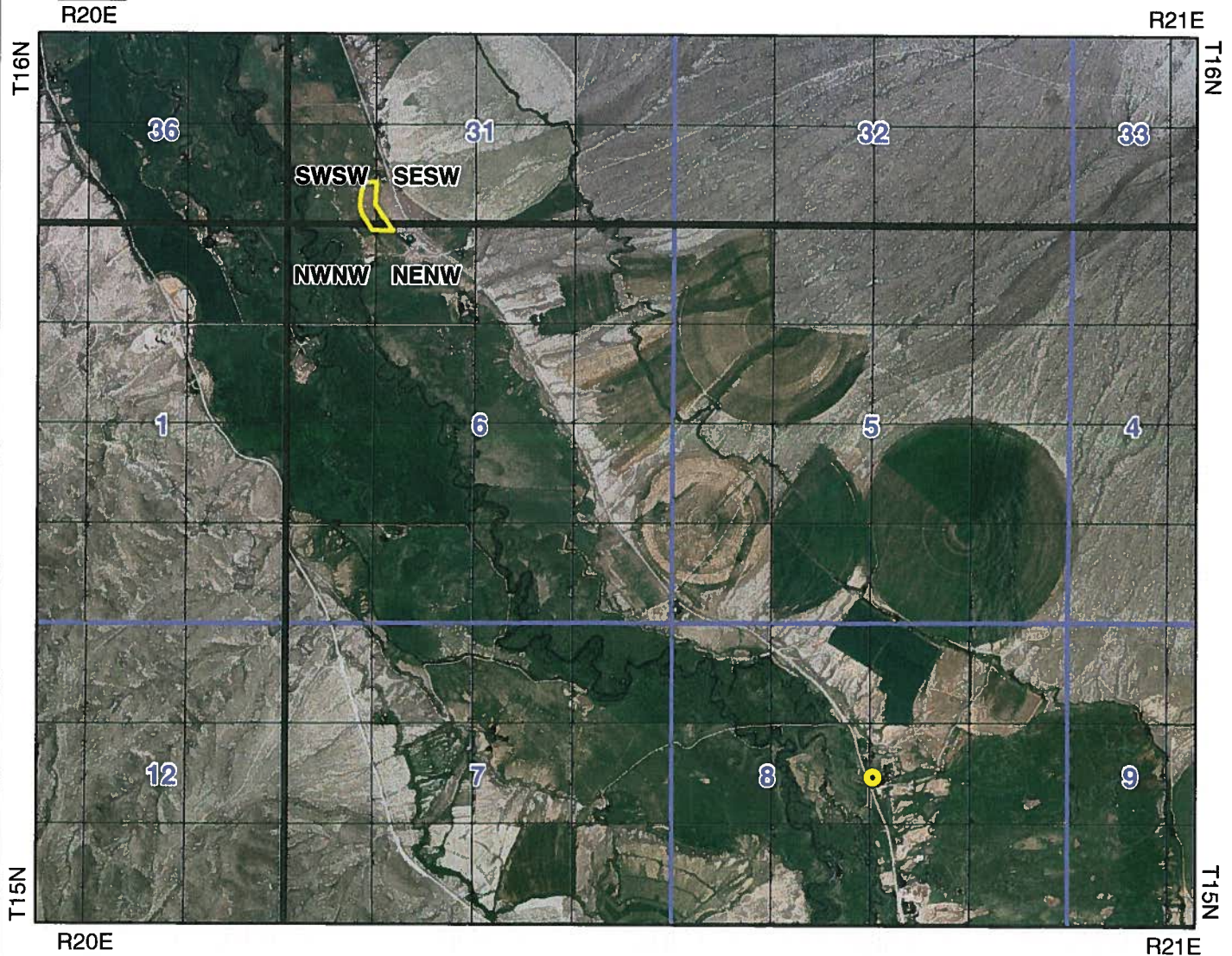
Adjudication Recommendation 73-4079 (IRRIGATION)

Legend

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



Lemhi County
IDWR Basin 73



Prepared by Don Shaff
On January 13, 2010
2006 Aerial Photography



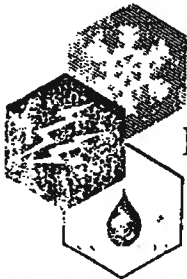
RESEARCH TECHNICAL COMPLETION REPORT

Estimating Consumptive Irrigation Requirements for Crops in Idaho

by

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University of Idaho
College of Engineering
College of Agriculture

Submitted to
Idaho Department of Water Resources
Boise, Idaho



**Idaho Water and Energy Resources Research Institute
University of Idaho
Moscow, Idaho**

August 1983

Table C-3. Alfalfa reference evapotranspiration, mm/day, adjusted for station aridity (from Table 12).

	Mar	Apr	May	June	July	Aug	Sept	Oct	Mar-Oct
Aberdeen Exp. Station	1.56	4.36	6.01	7.96	8.37	6.74	5.00	3.20	1322
American Falls 1 SW	1.74	4.50	6.08	8.02	8.44	6.86	5.21	3.47	1356
Anderson Dam	1.81	4.46	6.13	7.93	8.51	7.03	5.34	3.77	1377
Arbon 2 NW	1.38	3.96	5.76	7.81	8.30	6.75	5.06	3.24	1293
Arco 3 SW	1.07	4.14	6.05	7.48	8.10	6.41	4.74	2.93	1252
Ashton	.80	3.99	6.02	7.34	7.85	6.33	4.72	2.84	1221
Bayview Model Basin	.98	3.19	4.51	5.57	7.11	5.61	3.79	1.63	992
Blackfoot 2 SSW	1.62	4.74	6.44	7.85	8.56	6.88	5.18	3.26	1363
Bliss	2.14	5.28	6.79	8.41	8.54	7.18	5.60	3.73	1459
Boise WSO AP	2.17	4.29	5.91	7.65	8.29	6.72	5.24	3.38	1336
Bonniers Ferry 1 SW	1.11	3.63	4.96	5.93	7.53	5.86	4.03	1.71	1064
Bruneau	2.52	4.97	6.56	8.28	8.58	7.13	5.41	3.76	1445
Burley FAA AP	1.90	4.44	6.02	7.67	8.19	6.71	5.14	3.32	1328
Cabinet Gorge	1.08	3.41	4.78	5.82	7.39	5.80	4.00	1.80	1044
Caldwell	2.34	4.74	6.30	7.90	8.55	6.98	5.34	3.26	1389
Cambridge	1.81	4.39	6.01	7.66	8.54	6.96	5.17	3.02	1333
Cascade 1 NW	.99	3.29	5.03	6.68	7.46	6.08	4.50	2.56	1120
Castleford 2 N	2.14	4.96	6.63	8.30	8.31	7.10	5.52	3.54	1423
Challis	1.27	4.35	5.89	7.44	8.11	6.40	4.71	3.00	1260
Chilly Barton Flat	.55	3.45	5.09	6.63	7.20	5.62	3.99	2.41	1069
Coeur D'Alene 1 E	1.18	3.59	4.94	5.90	7.62	6.01	4.23	2.03	1087
Cottonwood	1.33	3.36	4.69	5.82	7.24	5.98	4.16	2.04	1060
Council	1.79	4.33	5.99	7.63	8.45	6.95	5.25	3.17	1333
Deer Flat Dam	2.26	4.72	6.28	7.90	8.66	7.23	5.52	3.26	1403
Driggs	.74	3.66	5.61	7.12	8.01	6.47	4.73	2.74	1196
Dubois Exp. Station	.66	3.83	5.59	7.13	7.95	6.22	4.53	2.89	1187
Emmett 2 E	2.34	4.78	6.32	7.92	8.59	7.11	5.51	3.34	1405
Fairfield Ranger Station	.80	4.10	5.99	7.63	7.86	6.68	5.04	3.07	1259
Fort Hall Indian Agency	1.71	4.58	6.30	8.27	8.72	7.09	5.32	3.44	1391
Garden Valley RS	1.77	4.06	5.64	7.23	7.88	6.41	4.96	3.05	1255
Glenns Ferry	2.47	4.94	6.43	8.11	8.32	6.66	5.10	3.71	1400
Grace	1.11	4.04	5.79	7.79	8.33	6.83	5.09	3.13	1288
Grand View 2 W	2.49	5.08	6.62	8.43	8.73	7.20	5.37	3.60	1454
Grangeville	1.42	3.33	4.63	5.78	7.08	5.79	3.99	2.02	1042
Halley Ranger Station	1.15	4.29	6.02	7.53	7.69	6.37	4.91	3.31	1263
Hamer 4 NW	.86	4.07	5.74	7.37	7.96	6.24	4.48	2.72	1207
Hazelton	2.04	4.61	6.20	7.85	8.26	6.73	5.21	3.54	1360
Hill City	.74	4.03	5.87	7.36	7.73	6.52	4.85	2.97	1226
Hollister	1.88	4.31	5.80	7.42	8.02	6.50	5.01	3.45	1298
Howe	1.12	4.39	5.95	7.49	7.99	6.26	4.44	2.78	1237
Idaho City	1.46	3.82	5.44	7.03	7.81	6.47	4.90	2.91	1219
Idaho Falls 2 ESE	1.44	4.38	6.22	7.76	8.27	6.63	4.94	3.11	1308
Idaho Falls 16 SE	.95	3.68	5.54	7.10	7.76	6.24	4.56	2.72	1180
Idaho Falls FAA AP	1.32	4.35	6.07	7.43	8.00	6.33	4.73	3.03	1263
Idaho Falls 46 W	1.03	3.80	5.66	7.21	7.67	5.94	4.30	2.70	1172
Island Park Dam	-.00	2.84	4.88	6.54	7.38	5.92	4.13	2.27	1039
Jerome	2.03	4.68	6.28	7.93	8.37	6.82	5.31	3.59	1377
Kellogg	1.20	3.58	4.90	5.82	7.47	5.79	4.09	1.94	1065

Table C-3. Continued.

	Mar	Apr	May	June	July	Aug	Sept	Oct	Mar-Oct
Kilgore	-.05	2.67	4.87	6.51	7.22	5.86	4.00	2.09	1015
Kooskia	1.86	3.94	5.27	6.37	7.52	6.14	4.34	2.19	1152
Kuna 2 NNE	2.21	4.61	6.14	7.74	8.47	7.12	5.44	3.29	1378
Lewiston WSO AP	1.88	3.89	5.24	6.50	7.67	6.24	4.42	2.28	1167
Lifton Pumping Station	.40	3.22	5.01	6.89	7.78	6.53	4.67	2.48	1132
Mackay Ranger Station	.81	4.01	5.65	7.31	8.14	6.51	4.78	2.90	1227
Malad	1.27	3.94	5.26	7.05	7.93	6.74	4.99	2.89	1226
Malad City	1.19	3.77	5.15	6.88	7.75	6.58	4.83	2.79	1192
Malta 2 E	1.87	4.27	5.88	7.76	8.35	6.91	5.15	3.26	1330
May	1.15	4.14	5.68	7.15	7.81	6.26	4.54	2.79	1209
Mc Call	.82	2.95	4.84	6.52	7.28	5.87	4.32	2.49	1074
Minidoka Dam	1.83	4.37	6.04	7.82	8.29	6.80	5.28	3.48	1344
Montpelier Ranger Station	.51	3.23	4.78	6.60	7.51	6.29	4.50	2.48	1098
Moscow-Univ. of Idaho	1.28	3.66	4.88	5.81	7.58	6.06	4.37	2.07	1093
Mountain Home	2.23	4.61	6.09	7.90	8.24	6.70	5.08	3.64	1362
New Meadows Ranger Station	1.07	3.47	5.11	6.74	7.38	6.01	4.40	2.40	1119
Nezperce	1.36	3.27	4.67	5.90	7.14	5.97	4.09	1.94	1051
Oakley	2.01	4.54	6.09	7.77	8.35	6.94	5.38	3.61	1367
Ola 4 S	1.94	4.18	5.84	7.54	8.17	6.70	5.13	3.00	1301
Orofino	1.89	4.07	5.41	6.54	7.75	6.36	4.45	2.24	1185
Palisades Dam	1.01	3.94	5.92	7.43	8.02	6.43	4.90	3.14	1248
Parma Exp. Station	2.23	4.67	6.24	7.86	8.58	7.14	5.39	3.17	1386
Paul 1 ENE	1.83	4.34	6.04	7.68	8.23	6.80	5.17	3.28	1327
Payette	2.29	4.78	6.38	8.01	8.77	7.27	5.48	3.21	1414
Picabo	1.07	4.14	6.02	7.79	8.02	6.79	5.04	3.06	1283
Pocatello WSO AP	1.64	4.24	5.91	7.91	8.23	6.53	4.92	3.36	1308
Porthill	1.00	3.51	4.85	5.75	7.24	5.56	3.79	1.65	1021
Potlatch 3 NNE	1.21	3.53	4.75	5.67	7.32	5.81	4.10	1.92	1051
Preston Sugar Factory	1.17	3.95	5.23	7.00	7.87	6.67	4.94	2.88	1215
Reynolds	1.84	3.64	5.28	6.94	7.48	6.04	4.61	3.00	1189
Richfield	1.52	4.65	6.28	7.87	8.05	6.73	5.17	3.34	1334
Riggins	2.11	4.19	5.44	6.54	7.86	6.47	4.66	2.60	1221
Rupert	1.90	4.62	6.16	7.85	8.38	6.80	5.21	3.43	1357
St Anthony 1 WNW	.98	4.09	5.97	7.28	7.76	6.22	4.64	2.94	1220
Saint Maries	1.24	3.61	4.89	5.82	7.43	5.79	4.13	1.97	1068
Salmon	1.31	4.37	5.78	7.12	7.61	5.92	4.31	2.75	1198
Salmon 1 N	1.48	4.33	5.80	7.52	7.93	6.16	4.40	2.69	1233
Sandpoint Exp. Station	1.05	3.48	4.79	5.70	7.20	5.60	3.88	1.73	1023
Shoshone 1 WNW	1.82	4.91	6.48	8.15	8.27	6.79	5.24	3.57	1384
Stanley	.35	2.89	4.78	6.45	6.32	5.14	3.76	2.40	982
Strevell	1.65	4.11	5.73	7.52	8.23	6.80	5.20	3.29	1301
Swan Falls Power House	2.58	4.97	6.57	8.19	8.89	7.21	5.69	3.79	1466
Swan Valley	1.08	3.82	5.68	7.16	7.84	6.31	4.67	2.74	1203
Tensed	1.18	3.37	4.49	5.58	7.18	5.77	3.99	1.84	1023
Tetonia Exp. Station	.62	3.43	5.55	7.18	7.99	6.52	4.70	2.55	1180
Three Creek	1.53	3.62	5.00	6.65	7.07	5.68	4.16	2.97	1123
Twin Falls 2 NNE	2.13	4.75	6.34	7.92	8.32	6.78	5.22	3.52	1376
Twin Falls 3 SE	2.03	4.66	6.27	7.91	8.41	6.87	5.29	3.45	1374
Twin Falls WSO	1.95	4.18	6.23	7.49	8.10	6.82	5.21	3.34	1326
Welser 2 SE	2.27	4.73	6.33	7.99	8.67	7.13	5.40	3.20	1399

Table C-4. Standard deviation of Alfalfa Reference Evapotranspiration, mm/day. Adjusted for station aridity.

	Mar	Apr	May	June	July	Aug	Sept	Oct
ABERDEEN EXP. STATION	.47	.54	.51	.48	.32	.31	.40	.36
AMERICAN FALLS 1 SW	.42	.44	.46	.52	.28	.29	.37	.35
ANDERSON DAM	.38	.45	.47	.54	.29	.36	.44	.40
ARBON 2 NW	.44	.49	.40	.47	.22	.37	.44	.38
ARCO 3 SW	.54	.56	.53	.47	.37	.38	.40	.36
ASHTON	.47	.60	.52	.49	.32	.31	.41	.38
BAYVIEW MODEL BASIN	.18	.23	.33	.29	.27	.32	.29	.18
BLACKFOOT 2 SSW	.46	.58	.47	.43	.34	.34	.44	.38
BLISS	.35	.47	.49	.47	.26	.33	.41	.35
BOISE WSO AP	.31	.38	.46	.47	.32	.40	.44	.32
BONNERS FERRY 1 SW	.26	.32	.30	.33	.29	.30	.34	.16
BRUNEAU	.30	.48	.43	.50	.35	.33	.42	.30
BURLEY FAA AP	.34	.45	.46	.46	.24	.31	.40	.34
CABINET GORGE	.22	.28	.35	.32	.29	.37	.38	.16
CALDWELL	.28	.37	.47	.51	.37	.39	.38	.26
CAMBRIDGE	.47	.44	.45	.51	.43	.39	.39	.29
CASCADE 1 NW	.36	.42	.43	.46	.30	.33	.44	.31
CASTLEFORD 2 N	.36	.52	.39	.45	.22	.38	.41	.33
CHALLIS	.39	.48	.52	.52	.33	.37	.37	.34
CHILLY BARTON FLAT	.48	.53	.49	.52	.42	.42	.41	.35
COEUR D'ALENE 1 E	.25	.34	.35	.33	.28	.32	.35	.19
COTTONWOOD	.33	.37	.43	.41	.38	.34	.36	.25
COUNCIL	.46	.43	.46	.49	.30	.38	.42	.28
DEER FLAT DAM	.28	.37	.43	.39	.26	.28	.34	.23
DRIGGS	.47	.57	.52	.53	.32	.30	.44	.38
DUBOIS EXP. STATION	.48	.60	.56	.54	.35	.33	.45	.39
EMMETT 2 E	.30	.41	.47	.46	.32	.34	.37	.27
FAIRFIELD RANGER STATION	.47	.52	.44	.43	.28	.43	.48	.39
FORT HALL INDIAN AGNCY	.40	.49	.52	.48	.28	.32	.34	.34
GARDEN VALLEY RS	.30	.43	.39	.47	.32	.36	.41	.27
GLENNS FERRY	.35	.44	.49	.48	.30	.36	.35	.33
GRACE	.54	.64	.48	.55	.35	.32	.40	.39
GRAND VIEW 2 W	.28	.42	.46	.49	.35	.36	.38	.28
GRANGEVILLE	.30	.38	.42	.37	.32	.36	.41	.26
HAILEY RANGER STATION	.45	.62	.55	.50	.34	.39	.44	.41
HAMER 4 NW	.48	.49	.49	.42	.30	.35	.40	.34
HAZELTON	.37	.49	.55	.51	.39	.36	.41	.38
HILL CITY	.52	.54	.50	.49	.29	.35	.40	.35
HOLLISTER	.38	.54	.57	.59	.32	.37	.44	.40
HOWE	.48	.46	.37	.45	.31	.33	.48	.36
IDAHO CITY	.39	.41	.46	.41	.32	.35	.40	.31
IDAHO FALLS 2 ESE	.44	.50	.48	.44	.26	.36	.42	.32
IDAHO FALLS 16 SE	.43	.48	.35	.41	.31	.43	.51	.40
IDAHO FALLS FAA AP	.54	.54	.53	.49	.26	.30	.41	.35
IDAHO FALLS 46 W	.51	.48	.48	.50	.27	.36	.45	.32
ISLAND PARK DAM	.46	.54	.49	.46	.30	.35	.43	.39
JEROME	.37	.48	.55	.53	.31	.36	.40	.34
KELLOGG	.26	.38	.38	.35	.31	.34	.35	.20

Table C-4. Continued.

	Mar	Apr	May	June	July	Aug	Sept	Oct
KILGORE	.39	.55	.43	.38	.25	.36	.52	.41
KOOSKIA	.25	.33	.36	.34	.26	.30	.32	.20
KUNA 2 NNE	.29	.42	.45	.41	.32	.34	.36	.30
LEWISTON WSO AP	.23	.32	.35	.41	.31	.40	.36	.20
LIFTON PUMPING STATION	.51	.58	.44	.43	.23	.27	.36	.32
MACKAY RANGER STATION	.46	.59	.53	.53	.34	.36	.37	.38
MALAD	.38	.49	.45	.45	.31	.36	.40	.35
MALAD CITY	.42	.39	.41	.42	.21	.34	.34	.30
MALTA 2 E	.41	.50	.40	.52	.29	.49	.44	.29
MAY	.41	.46	.47	.48	.32	.34	.41	.31
MC CALL	.45	.52	.50	.49	.27	.36	.40	.30
MINIDOKA DAM	.41	.45	.47	.47	.28	.36	.41	.35
MONTPELIER RANGER STATION	.50	.62	.48	.52	.27	.31	.36	.37
MOSCOW-UNIV. OF IDAHO	.27	.40	.39	.36	.30	.34	.35	.23
MOUNTAIN HOME	.32	.46	.50	.51	.34	.38	.40	.40
NEW MEADOWS RANGER STATION	.45	.42	.42	.42	.27	.32	.39	.29
NEZPERCE	.28	.36	.40	.37	.29	.38	.42	.23
OAKLEY	.37	.49	.54	.51	.32	.34	.39	.39
OLA 4 S	.35	.38	.41	.42	.27	.38	.43	.27
OROFINO	.24	.32	.36	.35	.25	.29	.31	.20
PALISADES DAM	.42	.52	.46	.47	.31	.34	.40	.37
PARMA EXP. STATION	.29	.42	.46	.48	.33	.34	.34	.26
PAUL 1 ENE	.36	.45	.47	.47	.27	.36	.42	.35
PAYETTE	.29	.36	.41	.40	.27	.31	.34	.25
PICABO	.53	.51	.53	.54	.33	.45	.56	.41
POCATELLO WSO AP	.41	.47	.48	.48	.28	.35	.45	.39
PORRHILL	.27	.28	.30	.31	.27	.30	.31	.17
POTLATCH 3 NNE	.28	.40	.39	.37	.35	.32	.39	.26
PRESTON SUGAR FACTORY	.48	.50	.44	.46	.25	.30	.34	.30
REYNOLDS	.31	.45	.43	.43	.30	.44	.46	.32
RICHFIELD	.54	.48	.50	.51	.31	.37	.40	.34
RIGGINS	.29	.43	.40	.40	.27	.37	.39	.26
RUPERT	.39	.45	.58	.53	.32	.31	.35	.37
ST ANTHONY 1 WNW	.47	.52	.52	.41	.26	.31	.40	.37
SAINT MARIES	.26	.37	.37	.33	.30	.33	.35	.20
SALMON	.40	.37	.48	.43	.27	.27	.35	.28
SALMON 1 N	.33	.50	.36	.42	.27	.35	.38	.30
SANDPOINT EXP. STATION	.26	.33	.33	.30	.25	.28	.30	.17
SHOSHONE 1 WNW	.46	.51	.54	.58	.36	.46	.46	.37
STANLEY	.57	.47	.40	.49	.20	.34	.53	.32
STREVELL	.39	.54	.53	.64	.31	.34	.49	.41
SWAN FALLS POWER HOUSE	.29	.41	.44	.53	.29	.32	.39	.29
SWAN VALLEY	.45	.53	.38	.35	.32	.33	.45	.34
TENSED	.19	.30	.27	.29	.22	.32	.40	.17
TETONIA EXP. STATION	.46	.55	.49	.41	.31	.34	.49	.37
THREE CREEK	.35	.55	.45	.45	.31	.37	.50	.49
TWIN FALLS 2 NNE	.32	.47	.48	.45	.27	.32	.41	.35
TWIN FALLS 3 SE	.36	.48	.51	.52	.28	.30	.39	.37
TWIN FALLS WSO	.35	.43	.42	.36	.24	.36	.47	.34
WEISER 2 SE	.31	.42	.42	.42	.34	.34	.37	.31

Table C-5. Alfalfa reference evapotranspiration, mm/day.
Not adjusted for station aridity.

	Mar	Apr	May	June	July	Aug	Sept	Oct	Mar-Oct
ABERDEEN EXP. STATION	1.56	4.50	6.21	8.24	8.83	7.27	5.33	3.20	1381
AMERICAN FALLS 1 SW	1.74	4.68	6.35	8.40	9.06	7.56	5.65	3.47	1435
ANDERSON DAM	1.81	4.64	6.41	8.33	9.16	7.77	5.81	3.77	1460
ARBON 2 NW	1.38	4.10	5.97	8.10	8.77	7.28	5.40	3.24	1354
ARCO 3 SW	1.07	4.31	6.31	7.83	8.67	7.06	5.16	2.93	1326
ASHTON	.80	4.08	6.16	7.53	8.17	6.68	4.95	2.84	1261
BAYVIEW MODEL BASIN	.98	3.23	4.58	5.67	7.30	5.81	3.92	1.63	1014
BLACKFOOT 2 SSW	1.62	4.86	6.62	8.09	8.97	7.35	5.48	3.26	1415
BLISS	2.14	5.38	6.94	8.62	8.88	7.58	5.86	3.73	1503
BOISE WSO AP	2.17	4.48	6.22	8.08	9.01	7.55	5.77	3.38	1428
BONNERS FERRY 1 SW	1.11	3.69	5.05	6.05	7.76	6.12	4.18	1.71	1092
BRUNEAU	2.52	5.07	6.73	8.51	8.97	7.57	5.68	3.76	1494
BURLEY FAA AP	1.90	4.56	6.19	7.91	8.58	7.17	5.43	3.32	1379
CABINET GORGE	1.08	3.49	4.91	5.99	7.72	6.16	4.21	1.80	1083
CALDWELL	2.34	4.83	6.44	8.09	8.88	7.37	5.58	3.26	1432
CAMBRIDGE	1.81	4.47	6.13	7.84	8.83	7.29	5.38	3.02	1370
CASCADE 1 NW	.99	3.39	5.18	6.89	7.82	6.49	4.77	2.56	1166
CASTLEFORD 2 N	2.14	5.02	6.72	8.42	8.51	7.33	5.67	3.54	1448
CHALLIS	1.27	4.54	6.16	7.81	8.73	7.10	5.14	3.00	1339
CHILLY BARTON FLAT	.55	3.62	5.34	6.97	7.79	6.28	4.40	2.41	1143
COEUR D'ALENE 1 E	1.18	3.69	5.10	6.12	8.05	6.47	4.51	2.03	1137
COTTONWOOD	1.33	3.41	4.77	5.93	7.43	6.19	4.28	2.04	1083
COUNCIL	1.79	4.45	6.17	7.89	8.89	7.45	5.57	3.17	1389
DEER FLAT DAM	2.26	4.73	6.30	7.93	8.71	7.28	5.56	3.26	1409
DRIGGS	.74	3.74	5.73	7.28	8.28	6.77	4.92	2.74	1230
DUBOIS EXP. STATION	.66	4.10	5.99	7.69	8.88	7.27	5.19	2.89	1306
EMMETT 2 E	2.34	4.83	6.41	8.03	8.78	7.33	5.65	3.34	1429
FAIRFIELD RANGER STATION	.80	4.14	6.06	7.73	8.01	6.86	5.16	3.07	1279
FORT HALL INDIAN AGENCY	1.71	4.67	6.43	8.47	9.03	7.44	5.55	3.44	1430
GARDEN VALLEY RS	1.77	4.23	5.91	7.61	8.51	7.14	5.42	3.05	1336
GLENNS FERRY	2.47	5.16	6.76	8.58	9.08	7.54	5.65	3.71	1498
GRACE	1.11	4.11	5.91	7.95	8.60	7.13	5.28	3.13	1322
GRAND VIEW 2 W	2.49	5.18	6.76	8.64	9.07	7.58	5.61	3.60	1497
GRANGEVILLE	1.42	3.44	4.80	6.01	7.51	6.27	4.27	2.02	1094
HAILEY RANGER STATION	1.15	4.52	6.35	7.98	8.40	7.21	5.45	3.31	1358
HAMER 4 NW	.86	4.25	6.01	7.74	8.58	6.93	4.91	2.72	1285
HAZELTON	2.04	4.80	6.48	8.24	8.90	7.47	5.68	3.54	1443
HILL CITY	.74	4.13	6.01	7.56	8.03	6.87	5.08	2.97	1266
HOLLISTER	1.88	4.52	6.11	7.85	8.72	7.30	5.53	3.45	1388
HOWE	1.12	4.58	6.23	7.89	8.65	7.00	4.91	2.78	1321
IDAHO CITY	1.46	3.88	5.55	7.18	8.06	6.76	5.08	2.91	1251
IDAHO FALLS 2 ESE	1.44	4.54	6.47	8.10	8.84	7.28	5.34	3.11	1381
IDAHO FALLS 16 SE	.95	3.79	5.70	7.32	8.13	6.66	4.83	2.72	1227
IDAHO FALLS FAA AP	1.32	4.58	6.41	7.89	8.77	7.20	5.29	3.03	1362
IDAHO FALLS 46 W	1.03	4.10	6.12	7.83	8.71	7.12	5.04	2.70	1305
ISLAND PARK DAM	0.00	2.93	5.02	6.73	7.70	6.28	4.35	2.27	1080
JEROME	2.03	4.86	6.56	8.31	9.01	7.55	5.78	3.59	1460
KELLOGG	1.20	3.69	5.06	6.04	7.89	6.25	4.37	1.94	1115

Table C-5. Continued.

	Mar	Apr	May	June	July	Aug	Sept	Oct	Mar-Oct
KILGORE	-.05	2.73	4.96	6.64	7.44	6.10	4.15	2.09	1043
KOOSKIA	1.86	4.01	5.38	6.51	7.79	6.44	4.52	2.19	1185
KUNA 2 NNE	2.21	4.61	6.14	7.74	8.47	7.12	5.44	3.29	1378
LEWISTON WSO AP	1.88	4.02	5.44	6.77	8.17	6.79	4.74	2.28	1227
LIFTON PUMPING STATION	.40	3.29	5.11	7.04	8.03	6.82	4.86	2.48	1164
MACKAY RANGER STATION	.81	4.14	5.83	7.56	8.56	6.98	5.08	2.90	1281
MALAD	1.27	4.05	5.42	7.28	8.32	7.20	5.27	2.89	1276
MALAD CITY	1.19	3.89	5.33	7.14	8.18	7.09	5.15	2.79	1247
MALTA 2 E	1.87	4.32	5.95	7.85	8.50	7.08	5.27	3.26	1350
MAY	1.15	4.28	5.89	7.42	8.28	6.79	4.86	2.79	1268
MC CALL	.82	3.08	5.03	6.80	7.74	6.40	4.66	2.49	1133
MINIDOKA DAM	1.83	4.54	6.31	8.19	8.88	7.49	5.72	3.48	1421
MONTPELIER RANGER STATION	.51	3.36	4.97	6.87	7.96	6.82	4.83	2.48	1156
MOSCOW-UNIV. OF IDAHO	1.28	3.69	4.94	5.88	7.73	6.22	4.47	2.07	1110
MOUNTAIN HOME	2.23	4.82	6.41	8.35	8.97	7.55	5.61	3.64	1456
NEW MEADOWS RANGER STATION	1.07	3.53	5.20	6.86	7.58	6.24	4.54	2.40	1145
NEZPERCE	1.36	3.31	4.72	5.97	7.28	6.13	4.18	1.94	1068
OAKLEY	2.01	4.64	6.24	7.98	8.69	7.34	5.64	3.61	1413
OLA 4 S	1.94	4.27	5.98	7.74	8.51	7.09	5.38	3.00	1344
OROFINO	1.89	4.13	5.51	6.69	8.02	6.65	4.63	2.24	1217
PALISADES DAM	1.01	4.13	6.20	7.80	8.64	7.15	5.35	3.14	1329
PARMA EXP. STATION	2.23	4.70	6.28	7.92	8.67	7.25	5.46	3.17	1398
PAUL 1 ENE	1.83	4.42	6.17	7.86	8.52	7.14	5.39	3.28	1366
PAYETTE	2.29	4.82	6.44	8.09	8.92	7.44	5.58	3.21	1432
PICABO	1.07	4.21	6.11	7.92	8.22	7.02	5.19	3.06	1309
POCATELLO WSO AP	1.64	4.51	6.30	8.48	9.16	7.58	5.58	3.36	1427
PORTHILL	1.00	3.62	5.01	5.97	7.66	6.02	4.06	1.65	1071
POTLATCH 3 NNE	1.21	3.56	4.78	5.72	7.41	5.91	4.17	1.92	1062
PRESTON SUGAR FACTORY	1.17	4.06	5.39	7.23	8.26	7.13	5.23	2.88	1265
REYNOLDS	1.84	3.89	5.66	7.47	8.37	7.07	5.26	3.00	1303
RICHFIELD	1.52	4.76	6.44	8.09	8.40	7.14	5.43	3.34	1380
RIGGINS	2.11	4.36	5.69	6.89	8.49	7.18	5.08	2.60	1298
RUPERT	1.90	4.76	6.38	8.15	8.87	7.37	5.58	3.43	1421
ST ANTHONY 1 WNW	.98	4.25	6.23	7.62	8.33	6.87	5.05	2.94	1294
SAINT MARIES	1.24	3.71	5.04	6.01	7.81	6.20	4.37	1.97	1113
SALMON	1.31	4.61	6.12	7.59	8.42	6.82	4.87	2.75	1300
SALMON 1 N	1.48	4.56	6.15	8.00	8.73	7.06	4.97	2.69	1335
SANDPOINT EXP. STATION	1.05	3.55	4.90	5.85	7.48	5.91	4.06	1.73	1057
SHOSHONE 1 WNW	1.82	5.14	6.82	8.62	9.01	7.66	5.80	3.57	1482
STANLEY	.35	3.09	5.07	6.86	6.95	5.87	4.23	2.40	1065
STREVELL	1.65	4.24	5.93	7.80	8.68	7.33	5.54	3.29	1361
SWAN FALLS POWER HOUSE	2.58	5.19	6.91	8.66	9.69	8.14	6.28	3.79	1569
SWAN VALLEY	1.08	3.91	5.82	7.35	8.16	6.67	4.90	2.74	1243
TENSED	1.18	3.40	4.54	5.65	7.33	5.93	4.09	1.84	1039
TETONIA EXP. STATION	.62	3.47	5.60	7.25	8.10	6.65	4.77	2.55	1193
THREE CREEK	1.53	3.85	5.36	7.15	7.89	6.64	4.76	2.97	1229
TWIN FALLS 2 NNE	2.13	4.90	6.58	8.25	8.86	7.40	5.61	3.52	1446
TWIN FALLS 3 SE	2.03	4.76	6.42	8.12	8.75	7.26	5.54	3.45	1418
TWIN FALLS WSO	1.95	4.18	6.23	7.49	8.10	6.82	5.21	3.34	1326
WEISER 2 SE	2.27	4.78	6.41	8.10	8.86	7.35	5.54	3.20	1423

Table C-6. Standard deviation of Alfalfa Reference Evapotranspiration, mm/day. Not adjusted for station aridity.

	Mar	Apr	May	June	July	Aug	Sept	Oct
ABERDEEN EXP. STATION	.47	.54	.51	.48	.32	.31	.40	.36
AMERICAN FALLS 1 SW	.42	.44	.46	.52	.28	.29	.37	.35
ANDERSON DAM	.38	.45	.47	.54	.29	.36	.44	.40
ARBON 2 NW	.44	.49	.40	.47	.22	.37	.44	.38
ARCO 3 SW	.54	.56	.53	.47	.37	.38	.40	.36
ASHTON	.47	.60	.52	.49	.32	.31	.41	.38
BAYVIEW MODEL BASIN	.18	.23	.33	.29	.27	.32	.29	.18
BLACKFOOT 2 SSW	.46	.58	.47	.43	.34	.34	.44	.38
BLISS	.35	.47	.49	.47	.26	.33	.41	.35
BOISE WSO AP	.31	.38	.46	.47	.32	.40	.44	.32
BONNERS FERRY 1 SW	.26	.32	.30	.33	.29	.30	.34	.16
BRUNEAU	.30	.48	.43	.50	.35	.33	.42	.30
BURLEY FAA AP	.34	.45	.46	.46	.24	.31	.40	.34
CABINET GORGE	.22	.28	.35	.32	.29	.37	.38	.16
CALDWELL	.28	.37	.47	.51	.37	.39	.38	.26
CAMBRIDGE	.47	.44	.45	.51	.43	.39	.39	.29
CASCADE 1 NW	.36	.42	.43	.46	.30	.33	.44	.31
CASTLEFORD 2 N	.36	.52	.39	.45	.22	.38	.41	.33
CHALLIS	.39	.48	.52	.52	.33	.37	.37	.34
CHILLY BARTON FLAT	.48	.53	.49	.52	.42	.42	.41	.35
COEUR D'ALENE 1 E	.25	.34	.35	.33	.28	.32	.35	.19
COTTONWOOD	.33	.37	.43	.41	.38	.34	.36	.25
COUNCIL	.46	.43	.46	.49	.30	.38	.42	.28
DEER FLAT DAM	.28	.37	.43	.39	.26	.28	.34	.23
DRIGGS	.47	.57	.52	.53	.32	.30	.44	.38
DUBOIS EXP. STATION	.48	.60	.56	.54	.35	.33	.45	.39
EMMETT 2 E	.30	.41	.47	.46	.32	.34	.37	.27
FAIRFIELD RANGER STATION	.47	.52	.44	.43	.28	.43	.48	.39
FORT HALL INDIAN AGNCY	.40	.49	.52	.48	.29	.32	.34	.34
GARDEN VALLEY RS	.30	.43	.39	.47	.32	.36	.41	.27
GLENNS FERRY	.35	.44	.49	.48	.30	.36	.35	.33
GRACE	.54	.64	.48	.55	.35	.32	.40	.39
GRAND VIEW 2 W	.28	.42	.46	.49	.35	.36	.38	.28
GRANGEVILLE	.30	.38	.42	.37	.32	.36	.41	.26
HAILEY RANGER STATION	.45	.62	.55	.50	.34	.39	.44	.41
HAMER 4 NW	.48	.49	.49	.42	.30	.35	.40	.34
HAZELTON	.37	.49	.55	.51	.39	.36	.41	.38
HILL CITY	.52	.54	.50	.49	.29	.35	.40	.35
HOLLISTER	.38	.54	.57	.59	.32	.37	.44	.40
HOWE	.48	.46	.37	.45	.31	.33	.48	.36
IDAHO CITY	.39	.41	.46	.41	.32	.35	.40	.31
IDAHO FALLS 2 ESE	.44	.50	.48	.44	.26	.36	.42	.32
IDAHO FALLS 16 SE	.43	.48	.35	.41	.31	.43	.51	.40
IDAHO FALLS FAA AP	.54	.54	.53	.49	.26	.30	.41	.35
IDAHO FALLS 46 W	.51	.48	.48	.50	.27	.36	.45	.32
ISLAND PARK DAM	.46	.54	.49	.46	.30	.35	.43	.39
JEROME	.37	.48	.55	.53	.31	.36	.40	.34
KELLOGG	.26	.38	.38	.35	.31	.34	.35	.20

Table C-6. Continued.

	Mar	Apr	May	June	July	Aug	Sept	Oct
KILGORE	.39	.55	.43	.38	.25	.36	.52	.41
KOOSKIA	.25	.33	.36	.34	.26	.30	.32	.20
KUNA 2 NNE	.29	.42	.45	.41	.32	.34	.36	.30
LEWISTON WSO AP	.23	.32	.35	.41	.31	.40	.36	.20
LIFTON PUMPING STATION	.51	.58	.44	.43	.23	.27	.36	.32
MACKAY RANGER STATION	.46	.59	.53	.53	.34	.36	.37	.38
MALAD	.38	.49	.45	.45	.31	.36	.40	.35
MALAD CITY	.42	.39	.41	.42	.21	.34	.34	.30
MALTA 2 E	.41	.50	.40	.52	.29	.49	.44	.29
MAY	.41	.46	.47	.48	.32	.34	.41	.31
MC CALL	.45	.52	.50	.49	.27	.36	.40	.30
MINIDOKA DAM	.41	.45	.47	.47	.28	.36	.41	.35
MONTPELIER RANGER STATION	.50	.62	.48	.52	.27	.31	.36	.37
MOSCOW-UNIV. OF IDAHO	.27	.40	.39	.36	.30	.34	.35	.23
MOUNTAIN HOME	.32	.46	.50	.51	.34	.38	.40	.40
NEW MEADOWS RANGER STATION	.45	.42	.42	.42	.27	.32	.39	.29
NEZPERCE	.28	.36	.40	.37	.29	.38	.42	.23
OAKLEY	.37	.49	.54	.51	.32	.34	.39	.39
OLA 4 S	.35	.38	.41	.42	.27	.38	.43	.27
OROFINO	.24	.32	.36	.35	.25	.29	.31	.20
PALISADES DAM	.42	.52	.46	.47	.31	.34	.40	.37
PARMA EXP. STATION	.29	.42	.46	.48	.33	.34	.34	.26
PAUL 1 ENE	.36	.45	.47	.47	.27	.36	.42	.35
PAYETTE	.29	.36	.41	.40	.27	.31	.34	.25
PICABO	.53	.51	.53	.54	.33	.45	.56	.41
POCATELLO WSO AP	.41	.47	.48	.48	.28	.35	.45	.39
PORTHILL	.27	.28	.30	.31	.27	.30	.31	.17
POTLATCH 3 NNE	.28	.40	.39	.37	.35	.32	.39	.26
PRESTON SUGAR FACTORY	.48	.50	.44	.46	.25	.30	.34	.30
REYNOLDS	.31	.45	.43	.43	.30	.44	.46	.32
RICHFIELD	.54	.48	.50	.51	.31	.37	.40	.34
RIGGINS	.29	.43	.40	.40	.27	.37	.39	.26
RUPERT	.39	.45	.58	.53	.32	.31	.35	.37
ST ANTHONY 1 WNW	.47	.52	.52	.41	.26	.31	.40	.37
SAINT MARIES	.26	.37	.37	.33	.30	.33	.35	.20
SALMON	.40	.37	.48	.43	.27	.27	.35	.28
SALMON 1 N	.33	.50	.36	.42	.27	.35	.38	.30
SANDPOINT EXP. STATION	.26	.33	.33	.30	.25	.28	.30	.17
SHOSHONE 1 WNW	.46	.51	.54	.58	.36	.46	.46	.37
STANLEY	.57	.47	.40	.49	.20	.34	.53	.32
STREVELL	.39	.54	.53	.64	.31	.34	.49	.41
SWAN FALLS POWER HOUSE	.29	.41	.44	.53	.29	.32	.39	.29
SWAN VALLEY	.45	.53	.38	.35	.32	.33	.45	.34
TENSED	.19	.30	.27	.29	.22	.32	.40	.17
TETONIA EXP. STATION	.46	.55	.49	.41	.31	.34	.49	.37
THREE CREEK	.35	.55	.45	.45	.31	.37	.50	.49
TWIN FALLS 2 NNE	.32	.47	.48	.45	.27	.32	.41	.35
TWIN FALLS 3 SE	.36	.48	.51	.52	.28	.30	.39	.37
TWIN FALLS WSO	.35	.43	.42	.36	.24	.36	.47	.34
WEISER 2 SE	.31	.42	.42	.42	.34	.34	.37	.31

RECEIVED

AUG 17 2009

DEPARTMENT OF
WATER RESOURCES

2009 AUG 14 AM 11:00
DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO
FILED

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

In Re SRBA

ORDER SETTING STATUS
CONFERENCE

Case No. 39576

SUBCASE NOS: 73-04079 73-04080
73-11960 73-12036

Please be advised that Special Master TERRENCE A. DOLAN
has set a Status Conference in the above subcase(s)
as follows:

THURSDAY, DECEMBER 10, 2009 at 03:30 PM (MT)

SRBA
253 - 3RD AVENUE NORTH
TWIN FALLS, ID

Parties may participate by telephone by dialing the number
225-383-1099 and when prompted entering the code 654400.

IT IS SO ORDERED.

Dated: AUGUST 14, 2009

/S/ TERRENCE A. DOLAN

Special Master
Snake River Basin Adjudication

DIRECTOR OF IDWR
PO BOX 83720
BOISE, ID 83720-0098

IDAHO DEPARTMENT OF WATER RESOURCES
CLAIMS / RIGHTS NOT RECOMMENDED

<u>W.R. NUMBER</u>	<u>NAME AND ADDRESS</u>	<u>CLAIM DISPOSITION</u>	<u>REASON</u>
73-4013D	DOUG J PARKINSON PO BOX 65 ELLIS ID 83235 JANIEL S PARKINSON PO BOX 65 ELLIS ID 83235	Disallowed	No beneficial use found.
73-4019	SPRING CREEK GRAZING ASSN C/O HOWARD CUTLER HC 67 BOX 2066 CHALLIS ID 83226	Disallowed	No lawful appropriation shown.
73-4079	VIRGINIA H CHEWNING 139 PAHSIMEROI RD ELLIS ID 83235 ROBERT W CHEWNING 139 PAHSIMEROI RD ELLIS ID 83235	Disallowed	No beneficial use found.
73-4098B	RALPH HATCH 434 PAHSIMEROI RD ELLIS ID 83235-2002 RUTH HATCH 434 PAHSIMEROI RD ELLIS ID 83235-2002	Disallowed	No beneficial use found.
73-4099	KENNY MADSEN PO BOX 25 ELLIS ID 83235 GARY MADSEN PO BOX 25 ELLIS ID 83235	Disallowed	No beneficial use found.
73-7017A	GEORGE M BOWLES 505 SANSOME ST STE 1975 SAN FRANCISCO CA 94111 DONALD M GREGORY JR 2741 UNION ST SAN FRANCISCO CA 94123 PATRICIA D GUNTHER 2739 BRODERICK ST SAN FRANCISCO CA 94123	Disallowed	Recommended as Right No. 73-07017.
73-7017B	PATRICIA D GUNTHER 2739 BRODERICK ST SAN FRANCISCO CA 94123 DONALD M GREGORY JR 2741 UNION ST SAN FRANCISCO CA 94123 GEORGE M BOWLES 505 SANSOME ST STE 1975 SAN FRANCISCO CA 94111	Disallowed	Recommended as Right No. 73-07017.
73-10009	RALPH HATCH 434 PAHSIMEROI RD ELLIS ID 83235-2002 RUTH HATCH 434 PAHSIMEROI RD ELLIS ID 83235-2002	Disallowed	No beneficial use found.

10/11/2006

IDAHO DEPARTMENT OF WATER RESOURCES
PRELIMINARY RECOMMENDATION OF WATER RIGHTS ACQUIRED UNDER STATE LAW

RIGHT NUMBER: 73-4079

NAME AND ADDRESS: VIRGINIA H CHEWNING
139 PAHSIMEROI RD
ELLIS ID 83235

ROBERT W CHEWNING
139 PAHSIMEROI RD
ELLIS ID 83235

OTHER PROVISIONS NECESSARY FOR DEFINITION OR ADMINISTRATION OF THIS WATER RIGHT:

No beneficial use found.

EXPLANATORY MATERIAL: BASIS OF CLAIM - Beneficial Use

No beneficial use found: This is included for a claim based on beneficial use that is proposed to be disallowed because beneficial use of water was not confirmed by IDWRs field examination or by other evidence submitted by the claimant.

A7304079

OWNERS

Robert + Virginia Chewing

No Point of Diversion

Local Name of Ditch:

Waste Water Ditch.

No Headgate or Measuring
Device:

Other users on Ditch:

Approx. 2 Acres.