

(Internet)

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Page _____ of _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. _____

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1

Name of applicant L LA VAR NEWMAN Phone _____
Post Office address 2491N BOOE MONTEVIEW

A. PURPOSE OF TRANSFER

1. ☐ Change point of diversion ☒ Add diversion point(s) ☒ Change place of use
☐ Change nature of use ☐ Change period of use ☐ Other _____

2. Describe the reason for the proposed changes ADDING FOUR WELLS TO THE
SYSTEM. POW. WILL BE THE RENO DITCH CO LAND
LIST

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. Right Number	Priority	Amount (cfs/ac-ft)	Nature of Use	Period of Use
32-2100	1957	5.42	~~4~~ IRR	4/1 to 11/1
32-10154	1975	0.00	IRR	4/1 to 10/31
				to
				to

2. Total amount of water being transferred 5.42 cubic feet per second and/or _____ acre-feet per annum.

3. Source of water GW tributary to

4. Point(s) of Diversion: EXISTING POT PLUS ↓

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
		SW	SW	19	10N	30E	CLARK	
		SE	SW	19	10N	30E	CLARK	
		SW	SW	29	10N	30E	CLARK	
		NW	NW	32	10N	30E	CLARK	

5. Lands irrigated or place of use: LAND LIST REND DITCH 32-59

[illegible]

Total acres

5723
680-106

72494



State of Idaho

DEPARTMENT OF WATER RESOURCES

Eastern Region, 900 North Skyline Drive, Suite A • Idaho Falls, Idaho 83402-1718

Phone: (208) 525-7161 • Fax: (208) 525-7177 • Web Site: www.idwr.idaho.gov

January 11, 2011

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

BIRCH CREEK RANCHES LLC
5203 S 11TH E
IDAHO FALLS ID 83404

RE: Applications for Transfer No.: 72493 / 72494
Withdrawal of Applications

Dear Applicant(s):

The Department of Water Resources acknowledges receipt of your withdrawal of the applications for transfer referenced above. The withdrawal removes your applications from any further consideration or action by the Department.

A refund request for your filing fee has been submitted to our State Office in Boise.

Please feel free to contact this office if you have any questions regarding this matter.

Sincerely,

James Cefalo
Water Resources Program Manager

JC:sc

Cox, Sharla

From: Cox, Sharla
Sent: Tuesday, January 11, 2011 2:22 PM
To: Marston, Sascha
Subject: Refund Please

Sascha, please refund the following:

Receipt #E031500
Amount \$820.00
Payable to: Reno Ditch
5203 S 11th East
Idaho Falls ID 83404

Reason: Withdrew applications for transfer 72493 and 72494

Thank you.

Sharla

Sharla Cox
Administrative Assistant
Idaho Department of Water Resources
900 N. Skyline Dr. Ste. A
Idaho Falls ID 83402
208-525-7161 - telephone
208-525-7177 - fax
sharla.cox@idwr.idaho.gov

RECEIVED

JAN 10 2011

Department of Water Resources
Eastern Region

BIRCH CREEK RANCHES, L.L.C.

5203 SOUTH 11TH EAST

IDAHO FALLS, IDAHO 83404

208-522-8069 FAX 208-522-8223

E-mail: ted@tsorenson.net

MEMORANDUM

TO: James Cefalo DATE: 1/7/2011
Water Resources Program Manager
IDWR
500 North Skyline Drive, Suite A
FROM: Ted Sorenson Idaho Falls, Idaho
SUBJECT: Transfer 72953 & 72954 83404

REMARKS:

Please send refund check
per attached withdrawal

Thank You

SIGNED: Ted Sorenson

cc: _____

RECEIVED

JAN 10 2011

Department of Water Resources
Eastern Region

WITHDRAWAL OF APPLICATION FOR TRANSFER OF WATER RIGHT(S)

I/We, Ted Sorenson and _____,
(Applicant's Printed Name) (Applicant's Printed Name)
 on behalf of Birch Creek Ranches, L LaVar Newman, and Reno Ditch Company
 _____ and _____,
(Applicant's Printed Name) (Applicant's Printed Name)
 hereby withdraw our Application for Transfer No. 72493 and 72494 of Water Right
 No(s). 32-7025, 32-10127, 32-2100, and 32-10154

Signed this 6 day of January, 20 2011 ^{TSJ}


(Signature/Title of Applicant)

(Signature/Title of Applicant)

(Signature/Title of Applicant)

(Signature/Title of Applicant)

★ Request refund on
 receipt E031500

Payable to: Reno Ditch Co.
 \$820.00



State of Idaho

DEPARTMENT OF WATER RESOURCES

Eastern Region, 900 North Skyline Drive, Suite A • Idaho Falls, Idaho 83402-1718

Phone: (208) 525-7161 • Fax: (208) 525-7177 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

December 8, 2010

Ted Sorenson
Reno Ditch Company
5203 South 11th East
Idaho Falls, ID 83404

Re: Transfer Applications 72493 and 72494

Dear Mr. Sorenson,

On December 15, 2005, you filed two applications for transfer seeking to add points of diversion to a number of ground water rights (32-7025, 32-10127, 32-2100, and 32-10154). The new ground water wells would discharge water into Birch Creek. The water would then be conveyed through the Reno Ditch system. Shortly after the applications were filed, you asked the department to hold-off on processing the transfers to allow time to conduct pump tests to determine whether water was available at the proposed sites and the extent of impacts to local ground water wells. An initial study completed by Brockway Engineering states that local ground water wells could be impacted.

Because the transfers had been pending before the department for four years, in fall 2009 Dave Carlson asked you to withdraw the transfers and re-file them when you were prepared to move forward with the project. In a letter dated January 19, 2010, you requested one more year to complete the pump tests. It appears that the pump tests were not performed in 2010 as anticipated.

We are again asking you to consider withdrawing the transfers until you are in a position to actively pursue their approval. Because the transfers were never advertised, you are entitled to a refund of the \$820.00 filing fee. A refund will be issued upon receipt of the withdrawal forms. If we do not receive a signed withdrawal within 30 days, we will take steps to officially reject the transfers without prejudice based on the fact that the mitigation plan is incomplete. Thank you for your cooperation in this matter.

Sincerely,

James Cefalo
Water Resources Program Manager
IDWR – Eastern Region

Encl: Withdrawal of Transfer Form

RENO DITCH COMPANY

5203 South 11th East
Idaho Falls, Idaho 83404

Phone: (208) 522-8069
Fax: (208) 522-8223
e-mail: ted@tsorenson.net

RECEIVED

JAN 20 2010

Department of Water Resources
Eastern Region

January 19, 2010

Dave Carlson
Eastern Region
Idaho Department of Water Resources
900 North Skyline Drive, Suite A
Idaho Falls ID 83402-1718

Re: Application for Transfer Nos. 72493 and 72494.

Dear Mr. Carlson:

We are in receipt of this withdrawal, however at our annual meeting in January we decided we would like to wait another year to see if we could test pump the well that we drilled near Scull Canyon to see if any water has shown up. Therefore, we would like not to cancel these transfers at this time. Trusting this to be of value.

Very truly yours,



Ted S. Sorenson,
Vice President
Reno Ditch Company

cc: Lavar Newman

TSS/ptj

Project No. 225-08-2006

**Evaluation of Mitigation Alternatives
Birch Creek Ranch & L. La Var Newman
Transfer No. 72493 & 72494**

Prepared for:
Ted Sorenson



For information concerning this report, contact
Jason C. Helms, P.E.



BROCKWAY
ENGINEERING
P.L.L.C.

CHARLES E. BROCKWAY, PH.D., P.E.
CHARLES G. BROCKWAY, PH.D., P.E.
JASON C. HELMS, P.E.

2016 NORTH WASHINGTON, SUITE 4
TWIN FALLS, IDAHO 83301

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Evaluation of Mitigation Alternatives Birch Creek Ranch & L. LaVar Newman Water Right Transfers # 72493 & 72494

Brockway Engineering, PLLC
August 18, 2006

A. Introduction

Birch Creek Ranches and L. LaVar Newman (applicants) submitted joint applications for transfer to the Idaho Department of Water Resources on December 15, 2005. The applications seek to authorize diversion of existing groundwater rights from several proposed new wells near Blue Dome located in the Birch Creek Drainage approximately 15 miles northwest of the current points of diversion. The approval of the transfer will provide reduced pumping costs and will allow the water to travel through the Birch Power system then back through the Reno ditch where it will be utilized at the current place of use.

At the request of the Idaho Department of Water Resources (IDWR), potential impacts to existing water uses have been evaluated to facilitate development of an acceptable mitigation plan. The specific impacts addressed in this study include:

- Regional ESPA ground water impacts to the Snake River.
- Localized ground water impacts in the Blue Dome area.
- Localized impacts to surface water flow in Birch Creek.

B. Objective

The objective of any mitigation plan is to reduce additional impacts to other water users resulting from the changes proposed in the transfer to some acceptable level. In the case of the Eastern Snake Plain Aquifer (ESPA), when a transfer proposes to change the location of diversions within the ESPA, the current standard for acceptable mitigation is no more than 5% additional reach depletion to any hydraulically connected reach of the Snake River. This standard will be used for modeled impacts to the ESPA resulting from the transfer, however mitigation of localized impacts near Blue Dome will likely require additional discussion and negotiation with affected users to develop a plan that is acceptable..

C. Method of Analysis

C.1. Regional Impacts Analysis

An evaluation of ESPA impacts was performed utilizing the IDWR Ground Water Transfer Spreadsheet V2.1 which is the most current version of the ESPA ground water model developed by the Idaho Water Resources Research Institute. The ESPA transfer spreadsheet analysis is required for transfers proposing to move diversion locations within the ESPA. In this case however, the transfer is actually removing the diversions from the active ESPA model grid into the Birch Creek drainage. The Birch Creek drainage is tributary to the ESPA so the ultimate effect of the change in diversion location will be transient reduction in tributary underflow in the model cells where Birch Creek drainage intersects the ESPA active model grid. Determination of the net fractional change in tributary underflow at the Birch Creek Valley – ESPA boundary due to the effects of additional diversion from the Blue Dome area was calculated utilizing a

project specific ground water model of the Birch Creek Valley extending from the narrows within Township 10N, Range 29E, Section 13 down to the ESPA boundary within Township 8N, Range 31E, Section 33. The model details are more fully discussed below in Section C.2.

The "FROM" wells are associated with ground water irrigation rights proposed for transfer which are currently diverted from several wells located along the northern boundary of the ESPA. The "TO" well location - for purposes of the ESPA model - is located at the first active model cell associated with the Birch Creek Tributary underflow. An overview of the spatial transfer details are shown on **Figure 1**. Node (25,153) was used to simulate historical withdrawals associated with Newman water rights 32-2100 and 32-10154. Node (25,154) was used for simulated historical withdrawals associated with Birch Creek Ranch water rights 32-7025 and 32-10127. Since no change in nature of use is proposed, the full authorized diversion volume was included in the simulation. As mentioned previously, in order to properly simulate the delayed impacts due to the proposed diversion location outside the active ESPA model grid, the fractional change in the tributary underflow was factored into the annual diversions modeled for the "TO" well.

C.2. Local Impact Analysis

C.2.1. Model Development

To evaluate the localized and tributary underflow impacts of the proposed transfer, a ground water model was developed using the GMS 4.0 graphical interface with the MODFLOW 2000 underlying code. The general hydrogeologic setting is assumed to be alluvium bounded by relatively impermeable bedrock typical of adjacent basins such as Little Lost River and Big Lost River. Very few well drilling records are available in the

area of the proposed diversion in the valley are virtually nonexistent, and those that do exist (3 or 4) provide little information and are highly inconsistent. Where no data exists, best engineering judgment was employed as to aquifer parameters, extent, etc.

The model boundary chosen extends from the narrows within Township 10N, Range 29E, Section 13 - approximately 3 miles above Blue Dome - southeast to the ESPA boundary within Township 8N, Range 31E, Section 33. A map showing the location and extent of the additional ground water model relative to the ESPA is attached as **Figure 2**. Aquifer limits at the sides of the valley were estimated based on ground topography. The model grid was created within this domain, using a 300-meter uniform cell size. Unconfined conditions are assumed to prevail. Hydraulic conductivity was estimated to be 38 m/d (125 ft/d) based on material indicated by the limited drilling record information. The storage coefficient (specific yield) was estimated to be 0.15 which is typical of an unconfined system of this type.

The aquifer bottom elevation varied from 1860 m at the upper end down to 1430 m at the lower end of the valley. Bottom elevations from Eightmile Creek southward were based on existing seismic investigations.^{1 2 3 4} The aquifer cross-section was

¹ Liberty, Lee M. , Barrash, Warren , Knoll, Michael D. , Hudson, William K. , and Bolger, R. D. , Geophysical investigations of Birch Creek Valley near the northern boundary of the INEEL--Year 1 report, report prepared for the Idaho Water Resources Research Institute (University of Idaho, Moscow, ID), Technical Report BSU CGISS 96-06, Boise State University, Boise, ID, 20 pp., 1997.

² U.S. Department of Energy-Idaho Operations Office, 2005, *Operable Unit 10-08 Summary Report on the Subregional-scale Two-dimensional Aquifer Model*, ICP/EXT-05-00979, Revision 1 - Project No. 23368.

³ Liberty, Lee M. , Barrash, Warren , Knoll, Michael D. , Bolger, R. D. , and Hudson, William K. , Geophysical modeling of southern Birch Creek valley adjacent to the eastern Snake River Plain, Idaho: implications for groundwater flow, Annual Meeting of the Geological Society of America (20-23 October 1997), Salt Lake City, UT, *Abstracts with Programs* , v. 29, no. 6, p. 326, 1997.

⁴ Liberty, Lee M. , Barrash, Warren , Knoll, Michael D. , and Bolger, R. D. , Geophysical and borehole measurements from southern Birch Creek valley in eastern Idaho: implications for groundwater flow,

approximated as a rectangular section, with the bottom elevation representing the average depth across the section. Recharge on the valley floor is assumed to be minimal – estimated at 1.5 inches/year.

Seepage from Birch Creek has been well-documented in the reach from the USGS Blue Dome gauge to the “Highway Weir,” which is located on the Reno Ditch (power canal ditch) at the highway crossing. Since the ditch is lined, this weir essentially measures Birch Creek discharge at the ditch diversion. The ditch diverts all of Birch Creek with no flow or seepage below this point. Based on discharge measurements at the Blue Dome USGS gage and the ‘Highway Weir’, the average seepage estimated over the period 1989-1996 is 26 cfs for the entire course of the stream .

C.2.2. Boundary Conditions

At the upper model boundary a constant flux of 10,000 ac-ft/year was estimated. Due to the constricted nature of the aquifer at this point, physical constraints limit the flow in the Blue Dome area. This flux results in computed water surface elevations from 30 to 50 feet below ground in this area, which is reasonable based on local knowledge of wells. At the lower boundary a constant head of 1500 meters was included based loosely on seismic data and adjacent water levels in ESRPA. At the sides of valley, steady underflow was assumed from side-drainages below Blue Dome, while no-flow boundaries were modeled above Blue Dome.

C.2.3. Model Inflow & Outflow

<u>Location</u>	<u>Flux (ac-ft/year)</u>
• Upper boundary	10,000

- Birch Creek seepage 18,800 (26 cfs)
- West side underflow 8,000 (estimate)
- East side underflow 8,000 (estimate)
- Precipitation Recharge 5,200
- TOTAL 50,000 = underflow at the lower boundary

At the lower boundary, the annual tributary underflow volume used in the ESRPA model is 69,000 ac-ft/year⁵, rather than the 50,000 ac-ft/year calculated here. It appears that the tributary underflow value utilized in development of the ESPA model may be an overestimate based on the above analyses. Tributary underflow values being used in the ESPA Enhanced Ground Water Model are being re-evaluated by IDWR and the Water Resources Research Institute (IWRRI). The inflows were assumed to be constant, resulting in a baseline steady-state model run.

C.2.4. Modeled Diversions based on Transfers #72493 and #72494

To estimate the depletion effects of the proposed well pumping, a transient run was made with the new well pumping. This run was made using the steady-state conditions as the starting conditions but with the well pumping added. For this case, the model was run in transient mode for 50 years with a 1-year time step.

The modeled diversion was the total allowable volume of 3352.5 ac-ft/year from the wells at the two locations identified on the transfer applications. Full penetration of the aquifer was assumed. The pumping was assumed to be constant, beginning in year 1

⁵ D.M. Cosgrove, B.A. Contor,, G.S. Johnson, 2006. Enhanced Snake Plain Aquifer Model Final Report. Idaho Water Resources Research Institute (Technical Report 06-002), University of Idaho, Eastern Snake Plain Aquifer Model Enhancement Project Scenario Document Number DDM-019. Table 5.

and continuing until a new equilibrium was approached at the lower end of the aquifer. The net tributary underflow reduction each year after the proposed transfer resulting from the modeled diversion is shown in **Table 1**. These calculated values were utilized within the ESPA transfer spreadsheet to determine appropriate pumping fractions at the effective "TO" well within the active ESPA model cell located at the tributary underflow boundary.

C.3. Birch Creek Impacts.

Previous study has determined that Birch Creek is a losing reach from the Blue Dome area downstream.. In connection with previous evaluations of the hydrology of Birch Creek, test pits adjacent to the Creek throughout the reach were excavated to ascertain whether there was any hydraulic connection between the creek and local ground water. These evaluations and review of available driller's logs shows that the entire reach of Birch Creek from below Blue Dome to the power canal is perched and no hydraulic connection exists. All losses from Birch Creek therefore contribute to the local aquifer recharge and any changes in water levels associated with the proposed transfers will not significantly affect the flow in Birch Creek. There is apparently some connection between Birch Creek and the local aquifer for about on-half mile below Blue Dome which could be affected by significant lowering of the local water table. However, the net effect is estimated to be insignificant and cannot be determined with existing data.

D. Mitigation Requirements

D.1. Regional ESPA Impacts & Mitigation.

The results of the change in tributary underflow calculated using the local ground water model developed for this analysis were utilized for the pumping fraction of the transferred water rights. This analysis shows no significant transient impacts within the ESPA due to the transfer, however a net reduction in total pumping at the Blue Dome site is required to mitigate additional long-term depletions calculated in the Snake River reaches. The greatest additional impacts occur in the upper reaches of the Snake River from Shelley to Neeley. Reduction of overall pumping at the new diversion point to approximately 88% of the transferred volume reduces additional reach depletions to within 5% of levels calculated due to historical diversion of the proposed transferred water rights.

D.2. Local Impacts & Mitigation

D.2.1. Ground Water

Evaluation of local impacts using the Birch Creek Valley ground water model described above indicate ground water declines to the nearest other ground water user (Betty & Mac Wagoner; Water Right 32-10008; Well approximately 200' to the northwest – See FIGURE 2) in the range of 30-40 feet at steady state. This is a significant impact and some method of compensation should be considered. Probably the most effective mitigation would consist of providing a potable domestic water source via pipeline from the existing or proposed new wells associated with the transfer.

D.2.2. Birch Creek

Previous study has determined that Birch Creek is a losing reach from the Blue Dome area downstream to the USGS gage. Although some impacts due to the proposed ground water pumping possibly extend upwards to the point where the water table and Birch Creek are hydraulically connected, these impacts are likely insignificant

E. ESPA Mitigation Reduction Alternatives

Review of the ESPA transfer spreadsheet results in comparison with the calculated delay of tributary underflow impacts shows that the overall mitigation requirement is driven by the steady state rather than transient conditions. This allows simplification of benefit analysis of potential additional water right acquisitions which would provide an offsetting effect to the ESPA reach impacts. By evaluating total steady state reach impacts resulting from a combination of all considered water rights, it is apparent which river reaches are most effected. This assists in guiding selection of locations of additional water rights which might be acquired and combined with the rights proposed to be transferred to balance the reach impacts. Previous consideration of several different water rights show that strategic purchase and inclusion of water rights from the Blackfoot area perhaps combined with a very few acres of water rights from the Magic Valley could allow full diversion of all combined water rights at the new diversion location with no reduction required to maintain ESPA river reach impacts within 5% of historical calculated values. Preliminary analysis of including additional strategically located water rights indicates that the nearly the full transferred volume can be available in the Blue Dome area by addition of around 200 acres of water rights from the Shelley-Blackfoot area with the addition of some 5 acres from the Magic Valley area to mitigate additional impacts in the Thousand Springs area. Of course, total availability and required amounts depend upon their exact locations within the ESPA.

Another possibility for consideration is to transfer only a portion of the water rights for diversion in the Blue Dome area such that the portion diverted at the Blue Dome site does not increase net reach impacts above 5% of historical levels. Preliminary

evaluation of this alternative suggests that as much as 25% of the authorized volume currently proposed for transfer could be diverted with no net reduction in overall volume available (i.e. the other 75% is available for diversion at the current locations). Of course, varying proportions of total reductions vs. available diversion at Blue Dome could be developed depending upon acceptable mitigation amounts and available well capacity with the two ends of the spectrum being: 12% net reduction with 88% available for diversion at Blue Dome ; 0% net reduction with 25% available for diversion at Blue Dome.

F. Results & Conclusions

F.1. Regional ESPA Impacts

Transfer of Birch Creek Ranch & La Var Newman water rights from their current points of diversion to a location near Blue Dome on Birch Creek as currently structured appears to require a net total reduction of 12% in authorized diversion volume to mitigate increased impacts to Snake River reach gains. This analysis is somewhat simplified and assumes diversions and tributary reductions occur within single ESPA nodes. IDWR review may recommend a different model strategy with worst case reductions of up to 20% if ESPA nodes associated with the two up-gradient wells added by transfer #72204 (Approved 10/05) are required.

F.2. Local Impacts in the Blue Dome Area

Based on the results from the Birch Creek Valley ground water model developed for this project, local ground water level impacts will be significant with expected water level

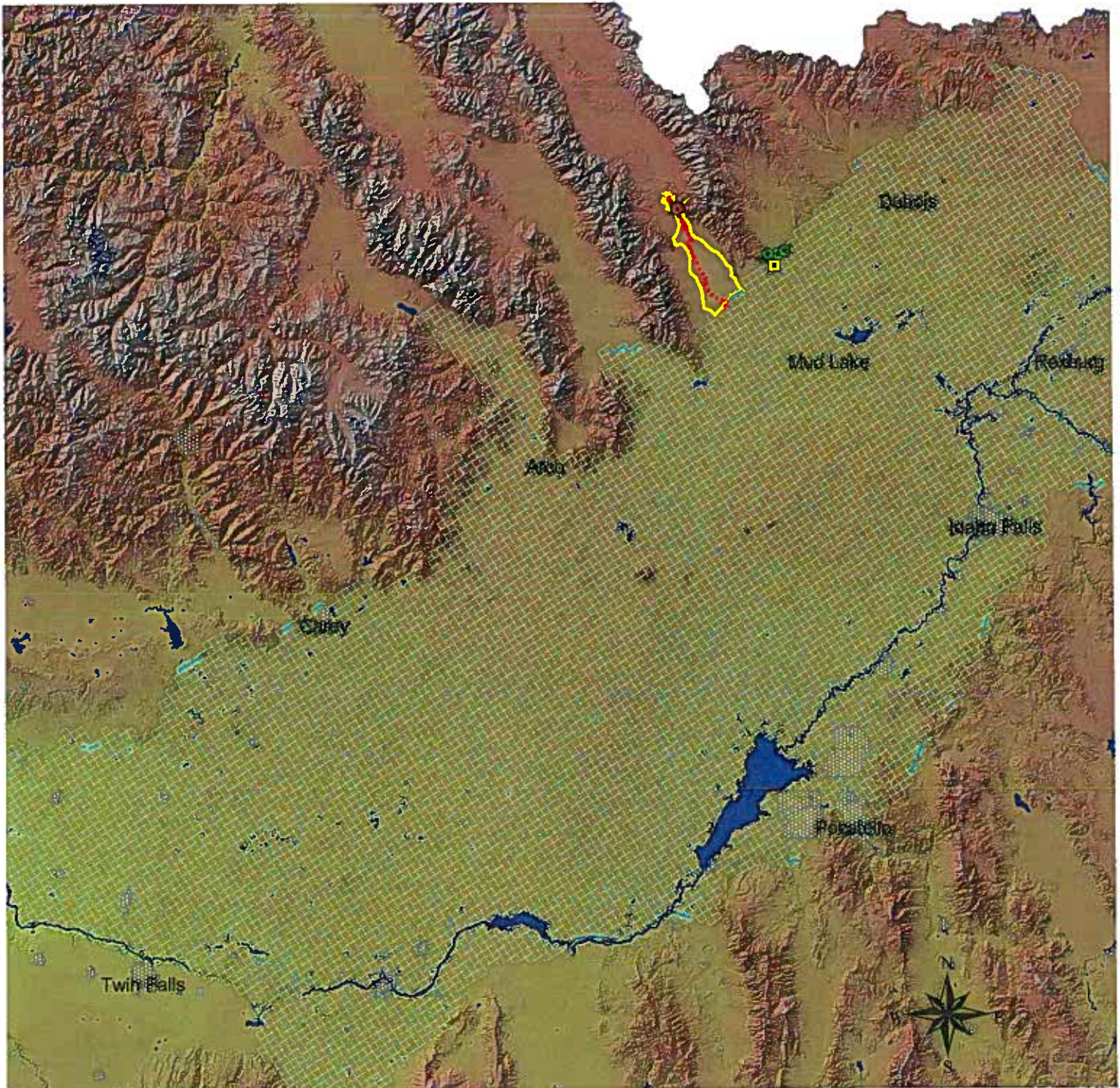
declines of as much as 30-40' in the vicinity of the nearest well (Wagoner) at steady state.

F.3. Birch Creek Impacts

Based on previous study and research of available information relating to Birch Creek, impacts on Birch Creek itself will be insignificant due to limited hydraulic connection in the area of the proposed project. Additionally, the applicants (Ted Sorenson & La Var Newman) are the owners of the Reno Ditch company which is the only water user on Birch Creek downstream of the proposed project so any surface water flow reduction occurring upstream due to the modeled ground water declines will be regained at the diversion of the Reno Ditch through the proposed pumping.

FIGURE 1

Birch Creek Ranch & La Var Newman Transfer #'s 72493 & 72494 ESPA Overview



Idaho Shaded Relief

30 0 30 60 Miles

- 32-2100, 10154 EXTG. POD
- 32-7025, 10127 EXTG. POD
- Proposed POD
- Tributary Underflow Boundaries
- Birch Creek
- City Limits
- Enhanced ESPA Model Grid
- Additional Ground Water Model

FIGURE 2

Birch Creek Ranch & La Var Newman
Transfer #'s: 72493, 72494

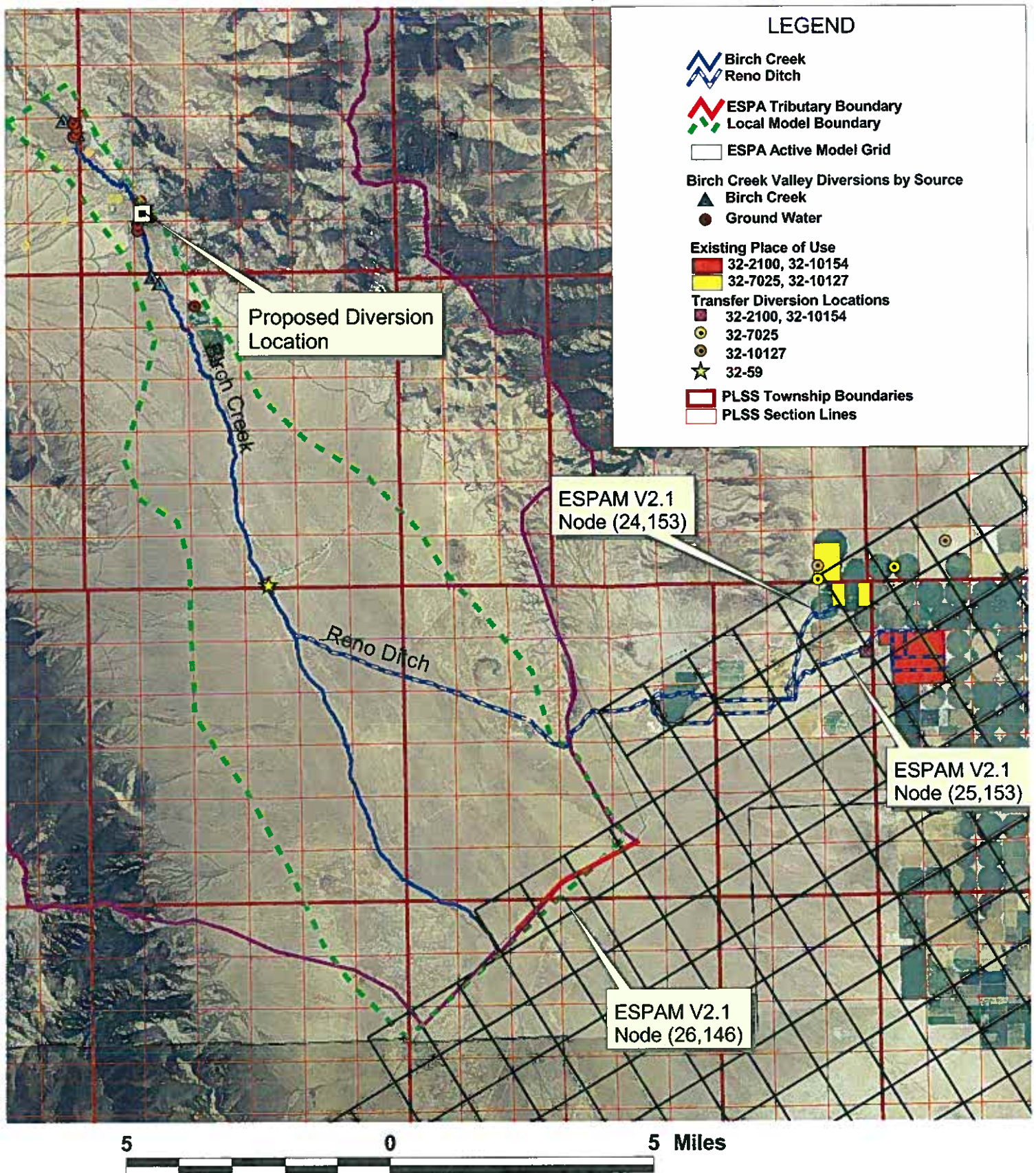


TABLE 1

SORENSEN, TED

BIRCH CREEK GROUNDWATER MODEL DEPLETION ANALYSIS

Base case: steady-state conditions, total basin outflow 50,000 ac-ft/year

Pumping case: T#72493 and T#72494

Wells at two locations, constant withdrawal 3352.5 ac-ft/year, half from each location

Computed values at down-gradient boundary:					
Year	Flow m3/d	Flow ac-ft/yr	Depletion ac-ft/yr	%	
0	168881	49972	0	0.0	(Steady-state) 3352.5
1	168864.3	49967	5	0.1	3352.5
2	168852	49963	9	0.3	3352.5
3	168825.8	49956	16	0.5	3352.5
4	168766.6	49938	34	1.0	3352.5
5	168653.9	49905	67	2.0	3352.5
6	168470.5	49850	121	3.6	3352.5
7	168204.5	49772	200	6.0	3352.5
8	167852.2	49667	304	9.1	3352.5
9	167419.2	49539	433	12.9	3352.5
10	166914.4	49390	582	17.4	3352.5
11	166353	49224	748	22.3	3352.5
12	165755.6	49047	925	27.6	3352.5
13	165135.9	48864	1108	33.1	3352.5
14	164505.1	48677	1295	38.6	3352.5
15	163878	48492	1480	44.2	3352.5
16	163267.2	48311	1661	49.5	3352.5
17	162686.7	48139	1833	54.7	3352.5
18	162137	47976	1996	59.5	3352.5
19	161628.5	47826	2146	64.0	3352.5
20	161157.3	47686	2285	68.2	3352.5
21	160730.6	47560	2412	71.9	3352.5
22	160341.6	47445	2527	75.4	3352.5
23	159995.3	47343	2629	78.4	3352.5
24	159683.2	47250	2722	81.2	3352.5
25	159409.4	47169	2803	83.6	3352.5
26	159164.8	47097	2875	85.8	3352.5
27	158952.9	47034	2938	87.6	3352.5
28	158770.2	46980	2992	89.2	3352.5
29	158607.5	46932	3040	90.7	3352.5
30	158469.2	46891	3081	91.9	3352.5
31	158352.5	46857	3115	92.9	3352.5
32	158248.1	46826	3146	93.8	3352.5
33	158161.5	46800	3172	94.6	3352.5
34	158083.9	46777	3195	95.3	3352.5
35	158020.9	46758	3214	95.9	3352.5
36	157970.8	46744	3228	96.3	3352.5
37	157924.9	46730	3242	96.7	3352.5
38	157890.3	46720	3252	97.0	3352.5
39	157858.1	46710	3262	97.3	3352.5
40	157836	46704	3268	97.5	3352.5
41	157815	46697	3274	97.7	3352.5
42	157803.8	46694	3278	97.8	3352.5
43	157792.9	46691	3281	97.9	3352.5
44	157782.3	46688	3284	98.0	3352.5
45	157772	46685	3287	98.1	3352.5
46	157762	46682	3290	98.1	3352.5
47	157761.5	46682	3290	98.1	3352.5
48	157760.9	46681	3290	98.1	3352.5
49	157760.4	46681	3291	98.2	3352.5

Birch Creek Groundwater Model
Depletion Analysis for T#72493 and T#72494 - Ted Sorenson

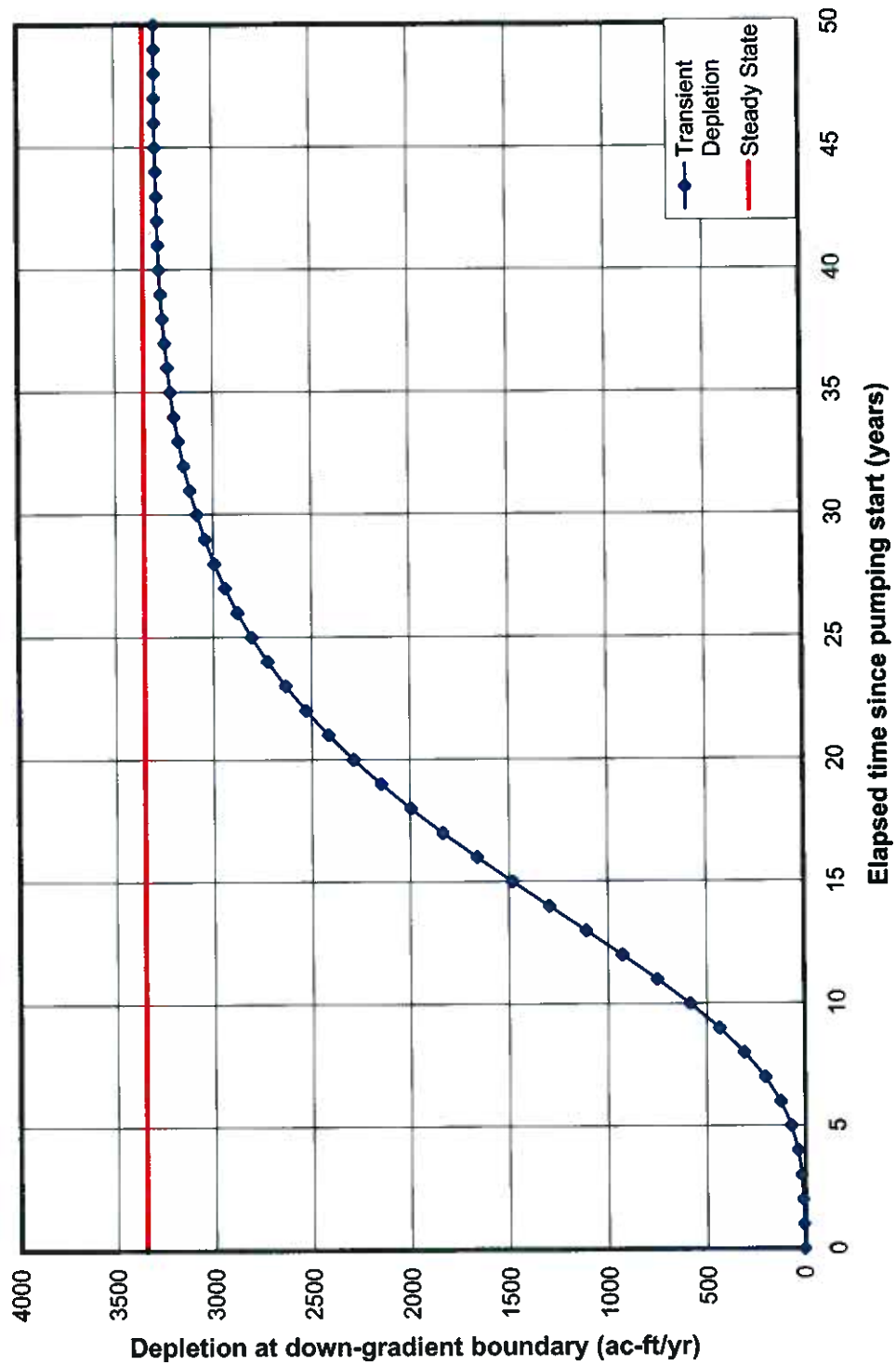
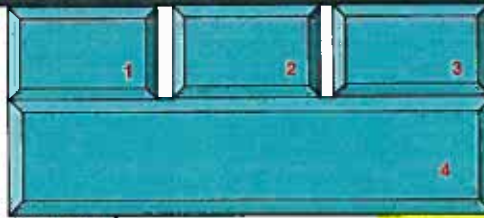


TABLE 2

ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPARTMENT OF WATER RESOURCES

Cells this color are set up for user entries

ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON:
 TRANSFER NO: 72493.4
 YEAR: 1957
 SEASON: SPRING
 TRANSFER NAME: Birch Creek Ranch



Entering Dates

Enter the starting year and season of the analysis period.

Once you have entered the starting year, the date only needs to be updated. Modifying the date does not automatically update the simulation.

Entering Well Locations

Enter the row and column location

Once the model cells have been set, the 'RUN MODEL' button generates the model output. This prepares the model for the next step.

Enter the row and column location

Enter the row and column location

If the 'FROM2' well is not to be modeled, enter 0.0 in the 'Without Transfer' column.

If the 'FROM3' well is not to be modeled, enter 0.0 in the 'Without Transfer' column.

The 'FROM3' well cannot be used if the 'FROM2' well is not modeled.

ENTER CELL LOCATIONS:	32-7025,10127	32-2100,10154		
	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	26	24	25	
COLUMN	146	153	153	

7025 volume 1102.5 afa
 10127 volume 315.0 afa
 2100 volume 1260.0 afa
 10154 volume 675.0 afa

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER	Running the Model
SPR 1957	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model cells have been set, the 'RUN MODEL' button generates the model output. This prepares the model for the next step.
SUM 1957	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1957	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1958	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1958	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1958	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1959	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1959	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1959	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1960	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1960	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1960	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1961	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1961	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1961	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1962	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1962	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1962	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1963	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1963	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1963	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1964	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1964	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1964	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1965	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1965	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1965	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1966	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1966	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1966	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1967	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1967	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1967	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1968	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1968	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1968	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1969	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1969	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1969	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1970	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1970	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1970	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1971	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1971	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1971	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1972	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1972	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1972	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1973	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1973	0.0	0.0	0.0	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1973	0.0	472.5	472.5	420.0	420.0	0.0	0.0	Getting the Model Output
SPR 1974	0.0	472.5	472.5	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SUM 1974	0.0	472.5	472.5	420.0	420.0	0.0	0.0	Getting the Model Output
WIN 1974	0.0	472.5	472.5	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
SPR 1975	0.0	472.5	472.5	420.0	420.0	0.0	0.0	Getting the Model Output
SUM 1975	0.0	472.5	472.5	420.0	420.0	0.0	0.0	Once the model has been run, push the 'RUN MODEL' button to generate the model output. This prepares the model for the next step.
WIN 1975	0.0	472.5	472.5	645.0	645.0	0.0	0.0	Getting the Model Output

TABLE 2

ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSH UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPARTMENT OF WATER RE

Cells this color are
set up for user entries

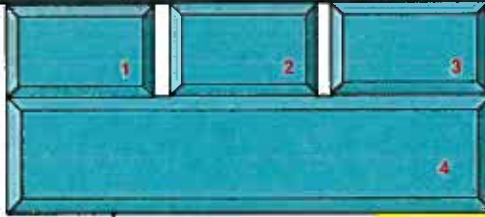
ENTER STARTING DATE FOR

SIMULATION. THEN PUSH "UPDATE DATES" BUTTON

TRANSFER NO: 72493.4

YEAR 1957

SEASON SPRING TRANSFER NAME: Birch Creek Ranch



Entering Dates

Enter the starting year and season
of the analysis period.

Once you have entered the starting

1000 The date only needs to be updated

1 Modifying the date does not autom

3352.50 Entering Well Locations

Enter the row and column location

Enter the row and column location

Enter the row and column location

If the 'FROM2' well is not to be mo

ENTER CELL LOCATIONS:		32-7025,10127	32-2100,10154			7025 volume	1102.5 afa
TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL			10127 volume	315.0 afa
ROW						2100 volume	1260.0 afa
COLUMN						10154 volume	675.0 afa
SPR 1976	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1976	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1976	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1977	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1977	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1977	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1978	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1978	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1978	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1979	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1979	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1979	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1980	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1980	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1980	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1981	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1981	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1981	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1982	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1982	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1982	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1983	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1983	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1983	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1984	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1984	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1984	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1985	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1985	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1985	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1986	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1986	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1986	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1987	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1987	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1987	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1988	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1988	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1988	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1989	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1989	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1989	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1990	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1990	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1990	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1991	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1991	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1991	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1992	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1992	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1992	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1993	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1993	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1993	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1994	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1994	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1994	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1995	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1995	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1995	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1996	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1996	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1996	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1997	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1997	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1997	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1998	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 1998	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1998	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 1999	0.0	472.5	472.5	645.0	645.0	0.0	0.0

TABLE 2

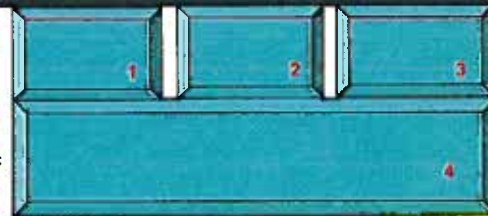
ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSH UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPARTMENT OF WATER RE

Cells this color are
set up for user entries

ENTER STARTING DATE FOR

SIMULATION. THEN PUSH **TRANSFER NO:**
"UPDATE DATES" BUTTON: 72493.4

YEAR: 1957 **TRANSFER NAME:**
SEASON: SPRING Birch Creek Ranch



Entering Dates

Enter the starting year and season
of the analysis period.

Once you have entered the starting

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3352.50 Entering Well Locations

Enter the row and column location

Enter the row and column location

Enter the row and column location

If the 'FROM2' well is not to be mo

ENTER CELL LOCATIONS:		32-7025,10127	32-2100,10154			7025 volume	1102.5 afa
		'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL	10127 volume	315.0 afa
ROW	COLUMN					2100 volume	1260.0 afa
						10154 volume	675.0 afa
SUM 1999	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 1999	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2000	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2000	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2000	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2001	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2001	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2001	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2002	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2002	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2002	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2003	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2003	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2003	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2004	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2004	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2004	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2005	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2005	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2005	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2006	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2006	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2006	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2007	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SUM 2007	0.0	472.5	472.5	645.0	645.0	0.0	0.0
WIN 2007	0.0	472.5	472.5	645.0	645.0	0.0	0.0
SPR 2008	1.4	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2008	1.4	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2008	1.4	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2009	2.5	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2009	2.5	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2009	2.5	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2010	4.8	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2010	4.8	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2010	4.8	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2011	9.9	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2011	9.9	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2011	9.9	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2012	19.7	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2012	19.7	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2012	19.7	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2013	35.6	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2013	35.6	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2013	35.6	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2014	58.7	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2014	58.7	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2014	58.7	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2015	89.3	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2015	89.3	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2015	89.3	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2016	126.9	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2016	126.9	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2016	126.9	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2017	170.7	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2017	170.7	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2017	170.7	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2018	219.4	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2018	219.4	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2018	219.4	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2019	271.3	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2019	271.3	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2019	271.3	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2020	325.1	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2020	325.1	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2020	325.1	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2021	379.8	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2021	379.8	0.0	472.5	0.0	645.0	0.0	0.0
WIN 2021	379.8	0.0	472.5	0.0	645.0	0.0	0.0
SPR 2022	434.2	0.0	472.5	0.0	645.0	0.0	0.0
SUM 2022	434.2	0.0	472.5	0.0	645.0	0.0	0.0

Determined from Birch Cree
Valley Ground Water Mode
(CGB - 5/16/06)

Tributary Impact	Pumping Reduction
0.0%	12.0%
0.0%	12.0%
0.0%	12.0%
0.1%	12.0%
0.1%	12.0%
0.1%	12.0%
0.3%	12.0%
0.3%	12.0%
0.3%	12.0%
0.5%	12.0%
0.5%	12.0%
1.0%	12.0%
1.0%	12.0%
2.0%	12.0%
2.0%	12.0%
3.6%	12.0%
3.6%	12.0%
6.0%	12.0%
6.0%	12.0%
9.1%	12.0%
9.1%	12.0%
12.9%	12.0%
12.9%	12.0%
12.9%	12.0%
17.4%	12.0%
17.4%	12.0%
22.3%	12.0%
22.3%	12.0%
22.3%	12.0%
27.6%	12.0%
27.6%	12.0%
27.6%	12.0%
33.1%	12.0%
33.1%	12.0%
33.1%	12.0%
38.6%	12.0%
38.6%	12.0%
38.6%	12.0%
44.2%	12.0%
44.2%	12.0%

TABLE 2

ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSH UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPARTMENT OF WATER RE

Cells this color are
set up for user entries

ENTER STARTING DATE FOR

SIMULATION. THEN PUSH

"UPDATE DATES" BUTTON

YEAR

SEASON

1957

TRANSFER NAME:

Birch Creek Ranch

TRANSFER NO:

72493.4

Entering Dates

Enter the starting year and season
of the analysis period.

Once you have entered the starting

1000 The date only needs to be updated

1 Modifying the date does not autom

3352.50 Entering Well Locations

Enter the row and column location

Enter the row and column location

Enter the row and column location

If the 'FROM2' well is not to be mo

ENTER CELL LOCATIONS:		32-7025,10127	32-2100,10154			7025 volume	1102.5 afa		
		'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL	10127 volume	315.0 afa		
						2100 volume	1260.0 afa		
						10154 volume	675.0 afa		
ROW	COLUMN	26	24	25					
WIN 2022		434.2	0.0	472.5	0.0	645.0	0.0	0.0	44.2%
SPR 2023		487.3	0.0	472.5	0.0	645.0	0.0	0.0	49.5%
SUM 2023		487.3	0.0	472.5	0.0	645.0	0.0	0.0	49.5%
WIN 2023		487.3	0.0	472.5	0.0	645.0	0.0	0.0	49.5%
SPR 2024		537.6	0.0	472.5	0.0	645.0	0.0	0.0	54.7%
SUM 2024		537.6	0.0	472.5	0.0	645.0	0.0	0.0	54.7%
WIN 2024		537.6	0.0	472.5	0.0	645.0	0.0	0.0	54.7%
SPR 2025		585.4	0.0	472.5	0.0	645.0	0.0	0.0	59.5%
SUM 2025		585.4	0.0	472.5	0.0	645.0	0.0	0.0	59.5%
WIN 2025		585.4	0.0	472.5	0.0	645.0	0.0	0.0	59.5%
SPR 2026		629.5	0.0	472.5	0.0	645.0	0.0	0.0	64.0%
SUM 2026		629.5	0.0	472.5	0.0	645.0	0.0	0.0	64.0%
WIN 2026		629.5	0.0	472.5	0.0	645.0	0.0	0.0	64.0%
SPR 2027		670.4	0.0	472.5	0.0	645.0	0.0	0.0	68.2%
SUM 2027		670.4	0.0	472.5	0.0	645.0	0.0	0.0	68.2%
WIN 2027		670.4	0.0	472.5	0.0	645.0	0.0	0.0	68.2%
SPR 2028		707.4	0.0	472.5	0.0	645.0	0.0	0.0	71.9%
SUM 2028		707.4	0.0	472.5	0.0	645.0	0.0	0.0	71.9%
WIN 2028		707.4	0.0	472.5	0.0	645.0	0.0	0.0	71.9%
SPR 2029		741.2	0.0	472.5	0.0	645.0	0.0	0.0	75.4%
SUM 2029		741.2	0.0	472.5	0.0	645.0	0.0	0.0	75.4%
WIN 2029		741.2	0.0	472.5	0.0	645.0	0.0	0.0	75.4%
SPR 2030		771.3	0.0	472.5	0.0	645.0	0.0	0.0	78.4%
SUM 2030		771.3	0.0	472.5	0.0	645.0	0.0	0.0	78.4%
WIN 2030		771.3	0.0	472.5	0.0	645.0	0.0	0.0	78.4%
SPR 2031		798.3	0.0	472.5	0.0	645.0	0.0	0.0	81.2%
SUM 2031		798.3	0.0	472.5	0.0	645.0	0.0	0.0	81.2%
WIN 2031		798.3	0.0	472.5	0.0	645.0	0.0	0.0	81.2%
SPR 2032		822.1	0.0	472.5	0.0	645.0	0.0	0.0	83.0%
SUM 2032		822.1	0.0	472.5	0.0	645.0	0.0	0.0	83.0%
WIN 2032		822.1	0.0	472.5	0.0	645.0	0.0	0.0	83.0%
SPR 2033		843.3	0.0	472.5	0.0	645.0	0.0	0.0	85.8%
SUM 2033		843.3	0.0	472.5	0.0	645.0	0.0	0.0	85.8%
WIN 2033		843.3	0.0	472.5	0.0	645.0	0.0	0.0	85.8%
SPR 2034		861.5	0.0	472.5	0.0	645.0	0.0	0.0	87.6%
SUM 2034		861.5	0.0	472.5	0.0	645.0	0.0	0.0	87.6%
WIN 2034		861.5	0.0	472.5	0.0	645.0	0.0	0.0	87.6%
SPR 2035		877.2	0.0	472.5	0.0	645.0	0.0	0.0	89.2%
SUM 2035		877.2	0.0	472.5	0.0	645.0	0.0	0.0	89.2%
WIN 2035		877.2	0.0	472.5	0.0	645.0	0.0	0.0	89.2%
SPR 2036		891.9	0.0	472.5	0.0	645.0	0.0	0.0	90.7%
SUM 2036		891.9	0.0	472.5	0.0	645.0	0.0	0.0	90.7%
WIN 2036		891.9	0.0	472.5	0.0	645.0	0.0	0.0	90.7%
SPR 2037		903.7	0.0	472.5	0.0	645.0	0.0	0.0	91.9%
SUM 2037		903.7	0.0	472.5	0.0	645.0	0.0	0.0	91.9%
WIN 2037		903.7	0.0	472.5	0.0	645.0	0.0	0.0	91.9%
SPR 2038		913.6	0.0	472.5	0.0	645.0	0.0	0.0	92.9%
SUM 2038		913.6	0.0	472.5	0.0	645.0	0.0	0.0	92.9%
WIN 2038		913.6	0.0	472.5	0.0	645.0	0.0	0.0	92.9%
SPR 2039		922.4	0.0	472.5	0.0	645.0	0.0	0.0	93.8%
SUM 2039		922.4	0.0	472.5	0.0	645.0	0.0	0.0	93.8%
WIN 2039		922.4	0.0	472.5	0.0	645.0	0.0	0.0	93.8%
SPR 2040		930.3	0.0	472.5	0.0	645.0	0.0	0.0	94.6%
SUM 2040		930.3	0.0	472.5	0.0	645.0	0.0	0.0	94.6%
WIN 2040		930.3	0.0	472.5	0.0	645.0	0.0	0.0	94.6%
SPR 2041		937.2	0.0	472.5	0.0	645.0	0.0	0.0	95.3%
SUM 2041		937.2	0.0	472.5	0.0	645.0	0.0	0.0	95.3%
WIN 2041		937.2	0.0	472.5	0.0	645.0	0.0	0.0	95.3%
SPR 2042		943.1	0.0	472.5	0.0	645.0	0.0	0.0	95.9%
SUM 2042		943.1	0.0	472.5	0.0	645.0	0.0	0.0	95.9%
WIN 2042		943.1	0.0	472.5	0.0	645.0	0.0	0.0	95.9%
SPR 2043		947.5	0.0	472.5	0.0	645.0	0.0	0.0	96.3%
SUM 2043		947.5	0.0	472.5	0.0	645.0	0.0	0.0	96.3%
WIN 2043		947.5	0.0	472.5	0.0	645.0	0.0	0.0	96.3%
SPR 2044		950.9	0.0	472.5	0.0	645.0	0.0	0.0	96.7%
SUM 2044		950.9	0.0	472.5	0.0	645.0	0.0	0.0	96.7%
WIN 2044		950.9	0.0	472.5	0.0	645.0	0.0	0.0	96.7%
SPR 2045		953.9	0.0	472.5	0.0	645.0	0.0	0.0	97.0%
SUM 2045		953.9	0.0	472.5	0.0	645.0	0.0	0.0	97.0%
WIN 2045		953.9	0.0	472.5	0.0	645.0	0.0	0.0	97.0%

TABLE 2

ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET											
UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE					IDAHO DEPARTMENT OF WATER RESOURCES						
Cells this color are set up for user entries					1 2 3 4						
ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON TRANSFER NO: 72493.4 YEAR: 1957 SEASON: SPRING TRANSFER NAME: Birch Creek Ranch					Entering Dates Enter the starting year and season of the analysis period. Once you have entered the starting year, the date only needs to be updated. 1 Modifying the date does not automatically update the simulation.						
ENTER CELL LOCATIONS: 32-7025,10127 32-2100,10154 'TO' CELL: 26 24 'FROM1' CELL: 153 'FROM2' CELL: 153 'FROM3' CELL: 25 7025 volume: 1102.5 afa 10127 volume: 315.0 afa 2100 volume: 1260.0 afa 10154 volume: 875.0 afa					Entering Well Locations Enter the row and column location of the well. Enter the row and column location of the well. Enter the row and column location of the well. If the 'FROM2' well is not to be modeled, enter 0.						
ROW	COLUMN	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL	7025 volume	10127 volume	2100 volume	10154 volume	Transfer %	Simulation %
SPR 2046	26	956.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.3%	12.0%
SUM 2046	146	956.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.3%	12.0%
WIN 2046	153	956.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.3%	12.0%
SPR 2047	26	958.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.5%	12.0%
SUM 2047	146	958.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.5%	12.0%
WIN 2047	153	958.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.5%	12.0%
SPR 2048	26	960.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.7%	12.0%
SUM 2048	146	960.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.7%	12.0%
WIN 2048	153	960.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.7%	12.0%
SPR 2049	26	961.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.8%	12.0%
SUM 2049	146	961.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.8%	12.0%
WIN 2049	153	961.8	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.8%	12.0%
SPR 2050	26	962.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.9%	12.0%
SUM 2050	146	962.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.9%	12.0%
WIN 2050	153	962.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	97.9%	12.0%
SPR 2051	26	963.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.0%	12.0%
SUM 2051	146	963.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.0%	12.0%
WIN 2051	153	963.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.0%	12.0%
SPR 2052	26	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SUM 2052	146	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
WIN 2052	153	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SPR 2053	26	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SUM 2053	146	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
WIN 2053	153	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SPR 2054	26	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SUM 2054	146	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
WIN 2054	153	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SPR 2055	26	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SUM 2055	146	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
WIN 2055	153	964.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.1%	12.0%
SPR 2056	26	965.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.2%	12.0%
SUM 2056	146	965.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.2%	12.0%
WIN 2056	153	965.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.2%	12.0%
SPR 2057	26	965.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.2%	12.0%
SUM 2057	146	965.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.2%	12.0%
WIN 2057	153	965.7	0.0	472.5	0.0	645.0	0.0	0.0	0.0	98.2%	12.0%
SPR 2058	26	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SUM 2058	146	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
WIN 2058	153	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SPR 2059	26	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SUM 2059	146	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
WIN 2059	153	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SPR 2060	26	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SUM 2060	146	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
WIN 2060	153	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SPR 2061	26	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SUM 2061	146	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
WIN 2061	153	973.6	0.0	472.5	0.0	645.0	0.0	0.0	0.0	99.0%	12.0%
SPR 2062	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SUM 2062	146	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
WIN 2062	153	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SPR 2063	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SUM 2063	146	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
WIN 2063	153	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SPR 2064	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SUM 2064	146	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
WIN 2064	153	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SPR 2065	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SUM 2065	146	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
WIN 2065	153	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SPR 2066	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SUM 2066	146	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
WIN 2066	153	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SPR 2067	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SUM 2067	146	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
WIN 2067	153	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SPR 2068	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SUM 2068	146	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
WIN 2068	153	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%
SPR 2069	26	983.4	0.0	472.5	0.0	645.0	0.0	0.0	0.0	100.0%	12.0%

TABLE 2

ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSH UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPARTMENT OF WATER RE

Cells this color are
set up for user entries

ENTER STARTING DATE FOR

SIMULATION. THEN PUSH TRANSFER NO:

"UPDATE DATES" BUTTON 72493.4

YEAR

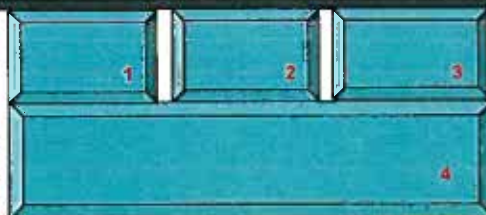
1957

TRANSFER NAME:

SEASON

SPRING

Birch Creek Ranch



Entering Dates

Enter the starting year and season
of the analysis period.

Once you have entered the starting

1000 The date only needs to be updated

1 Modifying the date does not autom

3352.50 Entering Well Locations

Enter the row and column location

Enter the row and column location

Enter the row and column location

If the 'FROM2' well is not to be mo

ENTER CELL LOCATIONS:		32-7025,10127	32-2100,10154			7025 volume	1102.5 afa		
		'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL	10127 volume	315.0 afa		
						2100 volume	1260.0 afa		
						10154 volume	675.0 afa		
ROW	COLUMN	26	24	25					
		146	153	153					
SUM 2069		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2069		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2070		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2070		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2070		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2071		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2071		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2071		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2072		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2072		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2072		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2073		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2073		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2073		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2074		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2074		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2074		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2075		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2075		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2075		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2076		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2076		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2076		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2077		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2077		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2077		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2078		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2078		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2078		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2079		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2079		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2079		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2080		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2080		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2080		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2081		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2081		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2081		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2082		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2082		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2082		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2083		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2083		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2083		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2084		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2084		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2084		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2085		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2085		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2085		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2086		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2086		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2086		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2087		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2087		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2087		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2088		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2088		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2088		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2089		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2089		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2089		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2090		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2090		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2090		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2091		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2091		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
WIN 2091		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SPR 2092		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%
SUM 2092		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0% 12.0%

TABLE 2

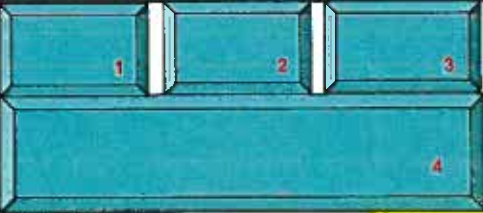
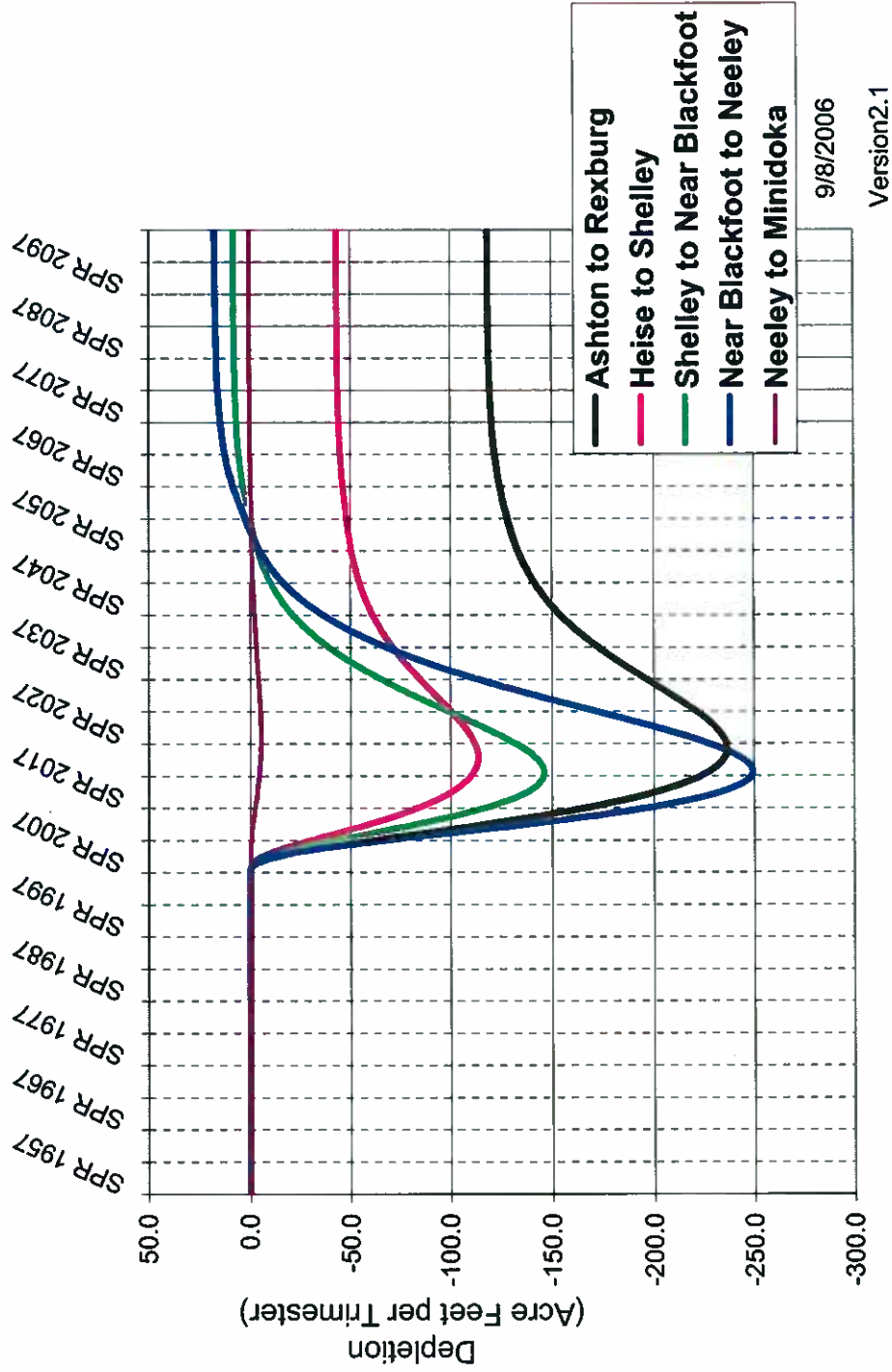
ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSH UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE IDAHO DEPARTMENT OF WATER RE									
Cells this color are set up for user entries							Entering Dates Enter the starting year and season of the analysis period. Once you have entered the starting 1000 The date only needs to be updated 1 Modifying the date does not autom		
ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON YEAR: 1957 SEASON: SPRING				TRANSFER NO: 72493.4 TRANSFER NAME: Birch Creek Ranch		3352.50 Entering Well Locations Enter the row and column location Enter the row and column location Enter the row and column location If the 'FROM2' well is not to be mo			
ENTER CELL LOCATIONS: 32-7025,10127 32-2100,10154				7025 volume 10127 volume 2100 volume 10154 volume		1102.5 afa 315.0 afa 1260.0 afa 675.0 afa			
ROW	COLUMN	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL				
WIN 2092		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2093		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2093		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2093		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2094		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2094		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2094		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2095		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2095		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2095		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2096		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2096		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2096		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2097		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2097		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2097		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2098		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2098		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2098		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2099		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2099		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2099		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2100		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2100		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2100		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2101		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2101		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2101		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2102		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2102		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2102		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2103		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2103		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2103		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2104		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2104		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2104		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2105		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2105		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2105		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SPR 2106		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
SUM 2106		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%
WIN 2106		983.4	0.0	472.5	0.0	645.0	0.0	0.0	100.0%

Chart 2.1

**Net Transfer Effect Above Milner
(Total Effect With Transfer - Total Effect Without Transfer)**



9/8/2006

Version 2.1

Customer Name: Birch Creek Ranches Transfer No: 72493,4

Chart 2.2

Hydrologic Response--Ashton to Rexburg
 Customer Name: Birch Creek Ranches Transfer No: 72493,4

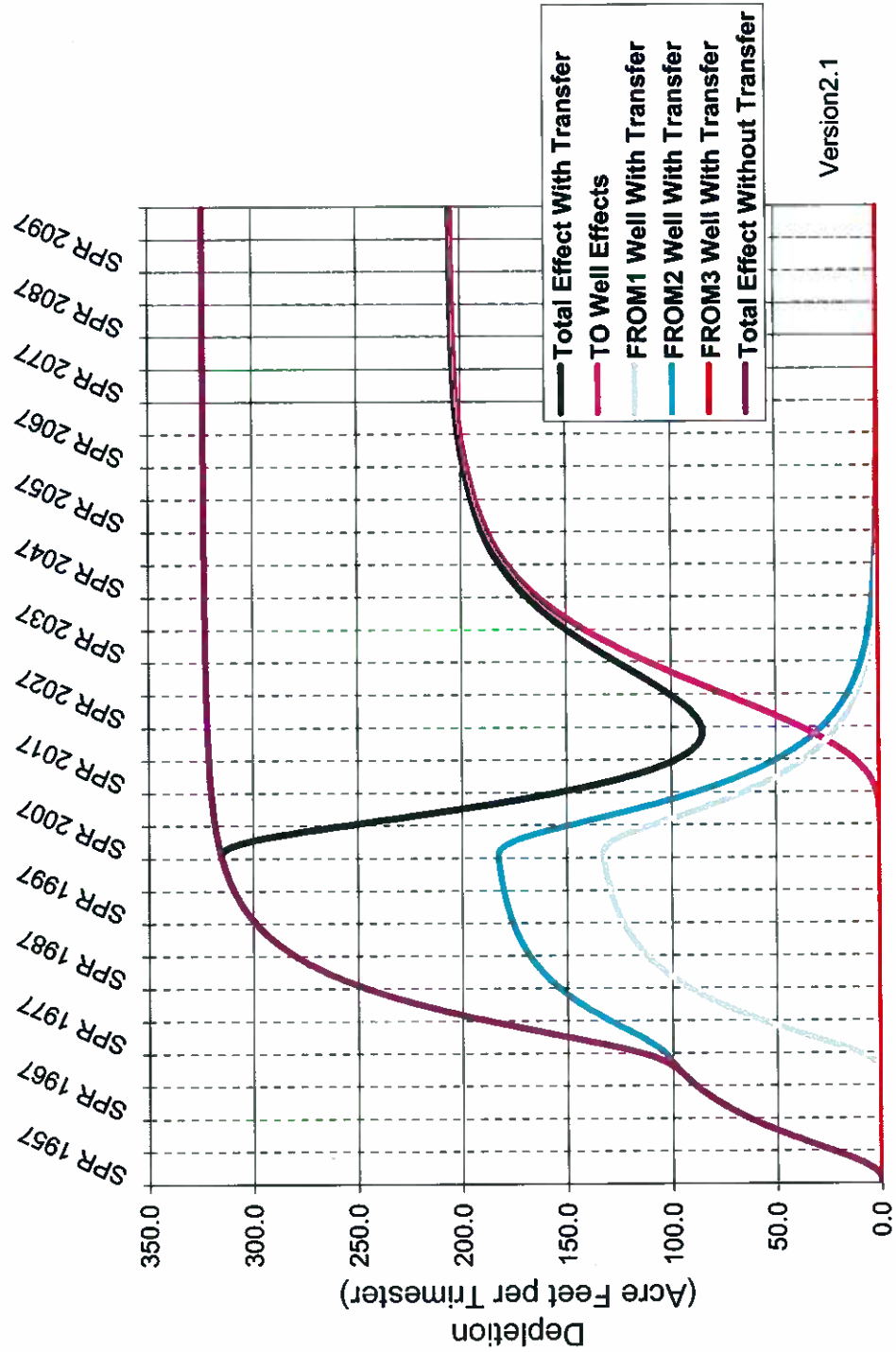


Chart 2.3

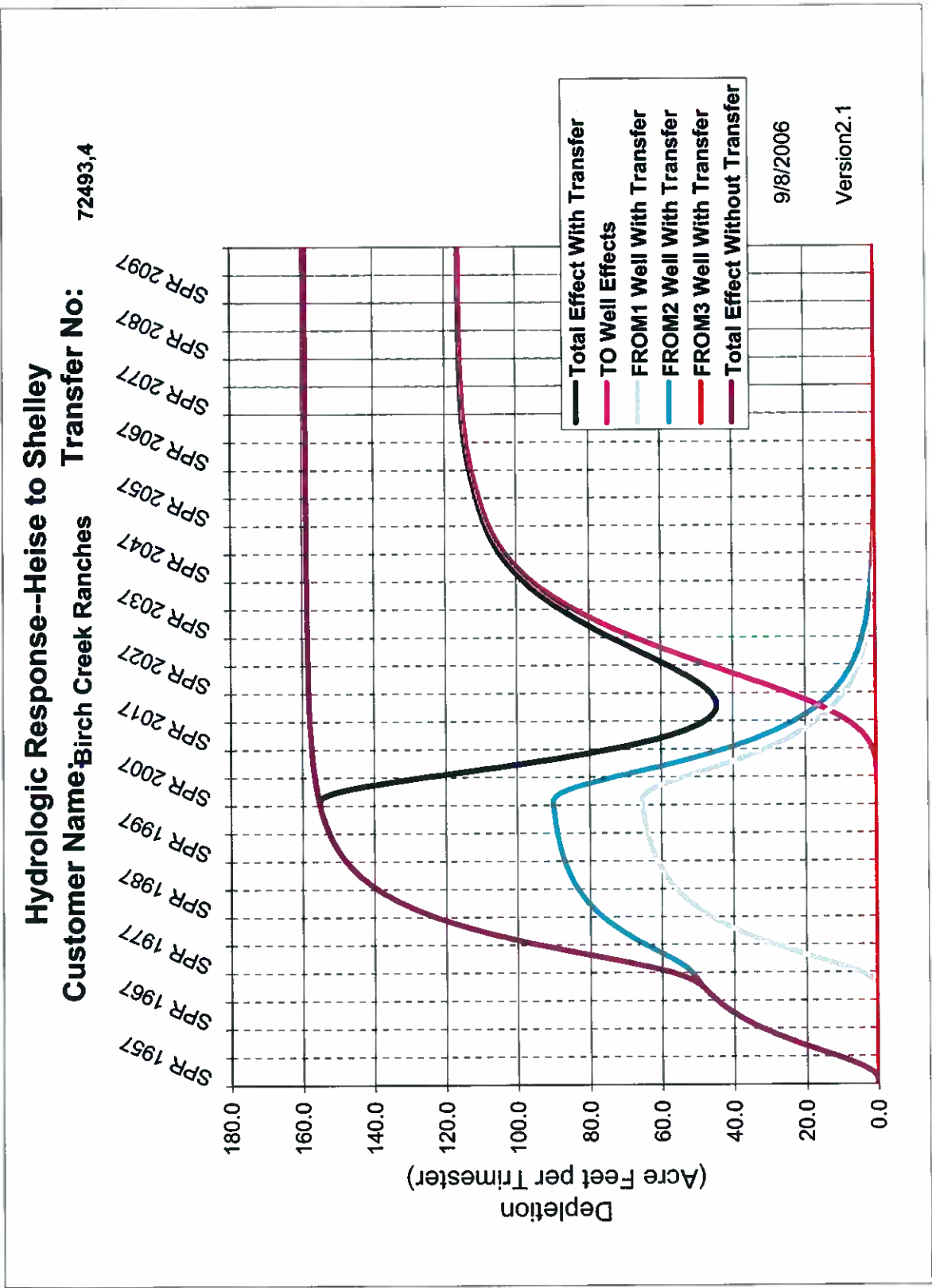


Chart 2.4

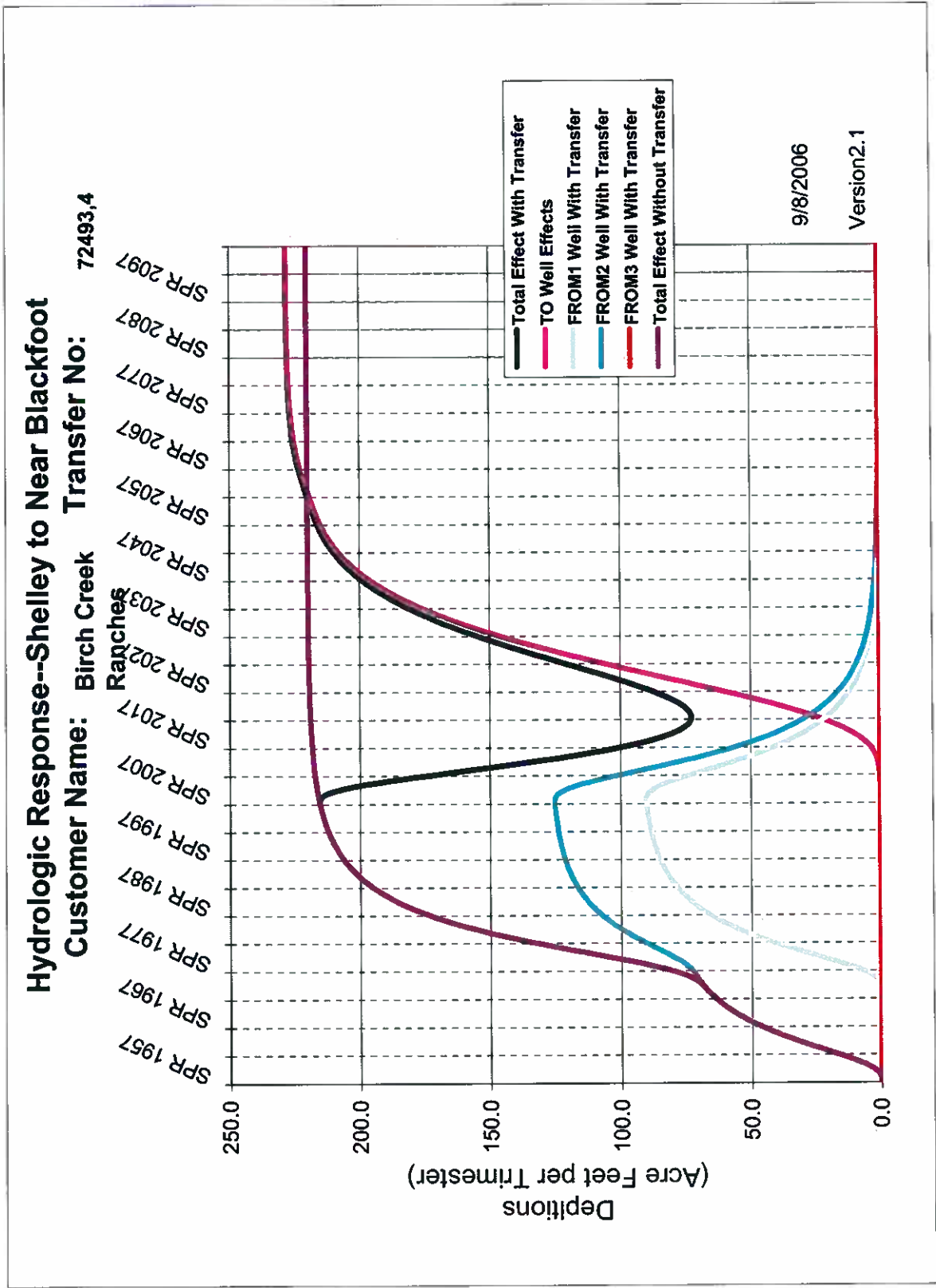


Chart 2.5

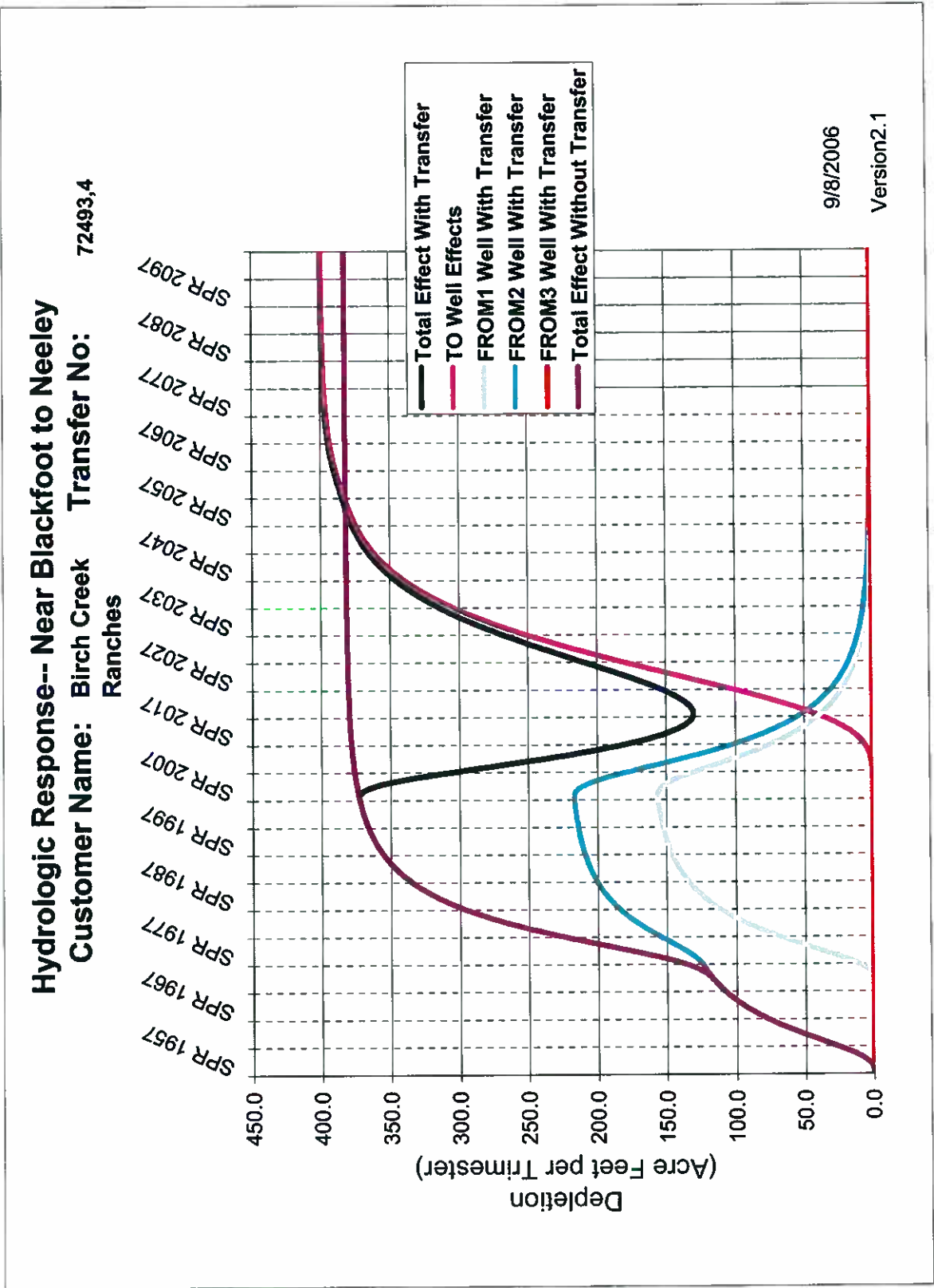


Chart 2.6

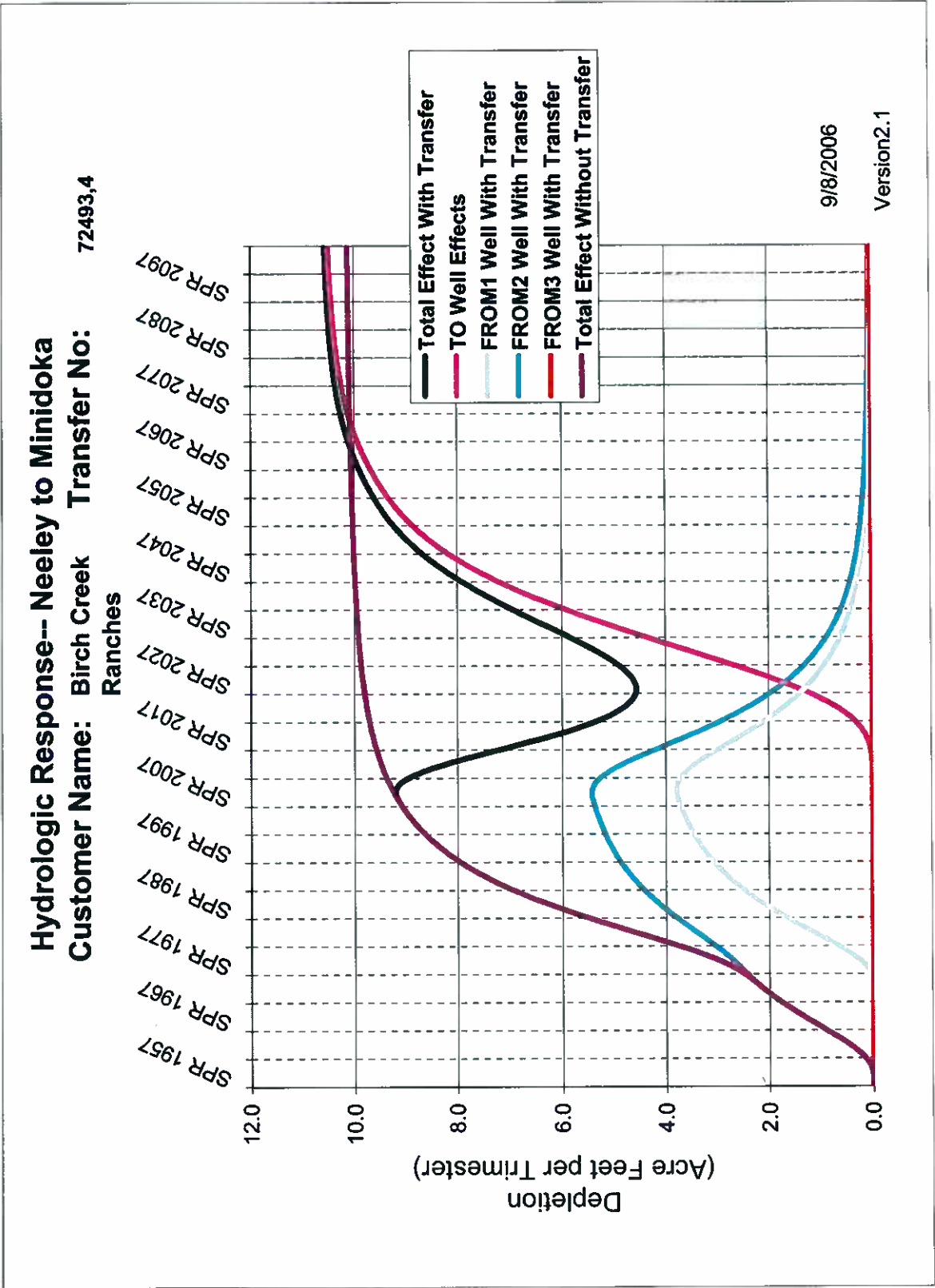
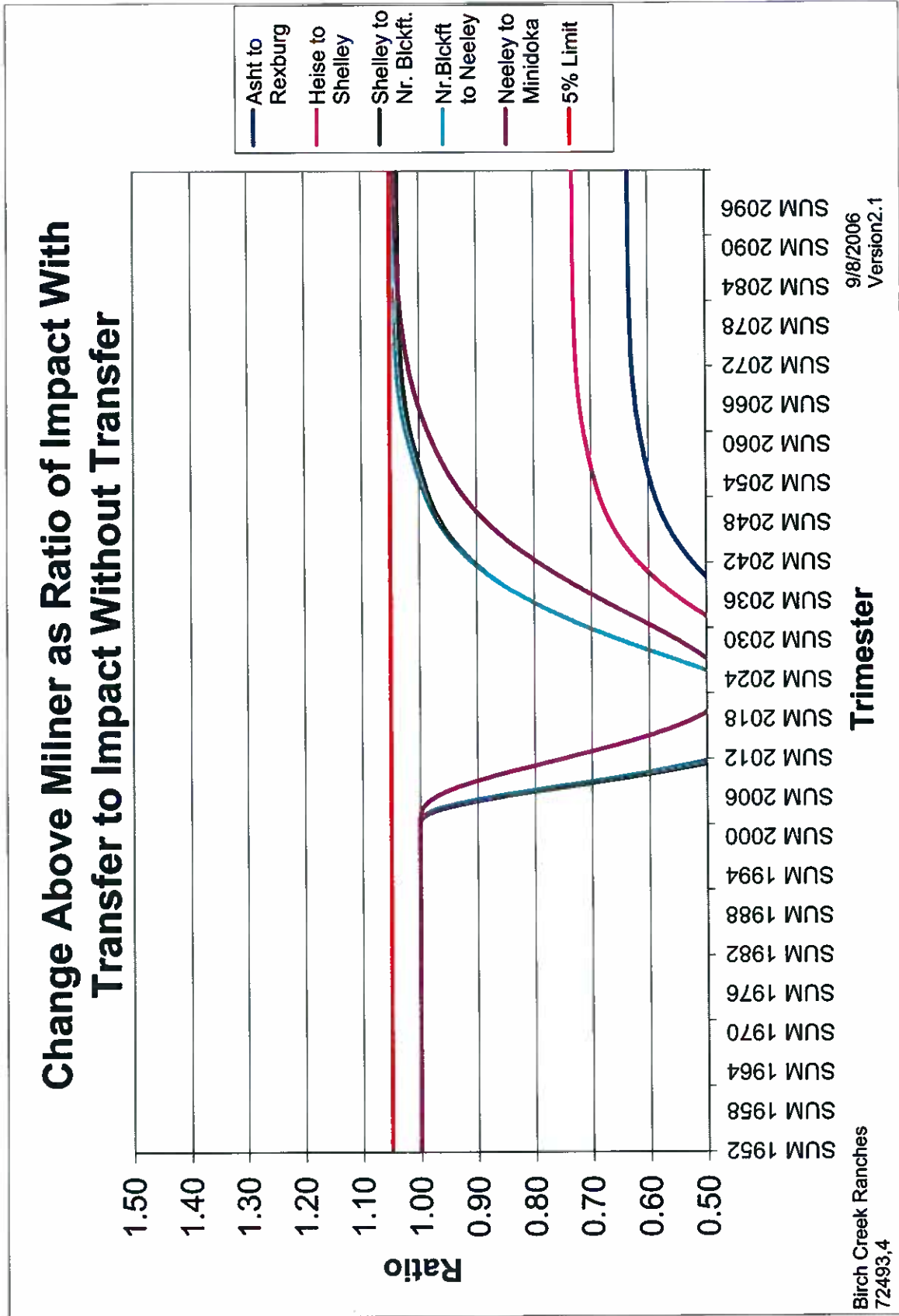
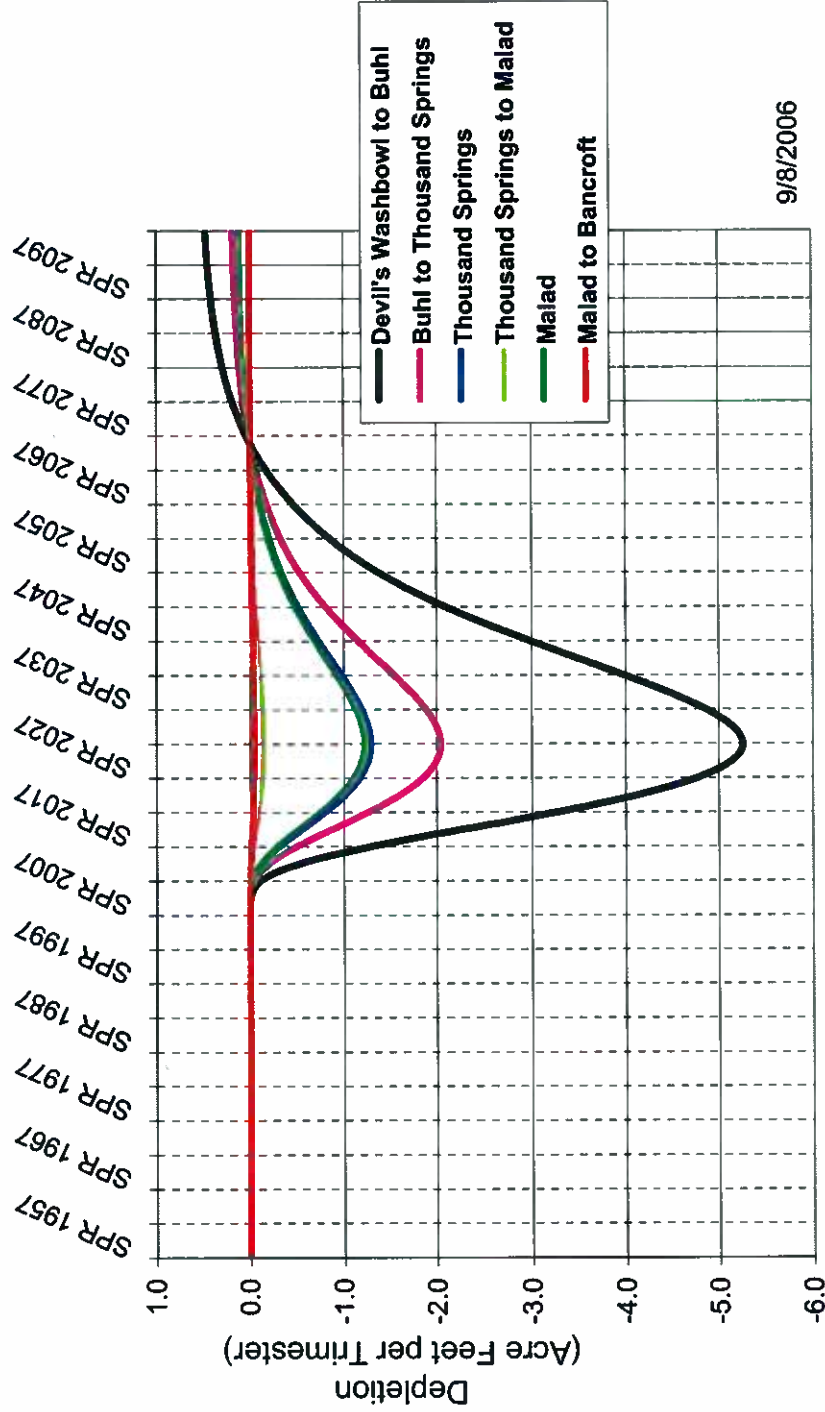


Chart 2.7



Net Transfer Effect Below Milner **(Total Effect With Transfer - Total Effect Without Transfer)**



9/8/2006

Version 2.1

Customer Name: **Birch Creek Ranches** Transfer No: **72493,4**

Chart 2.8

Hydrologic Response--Devil's Washbowl to Buhl

Customer Name Birch Creek Ranches Transfer No: 72493,4

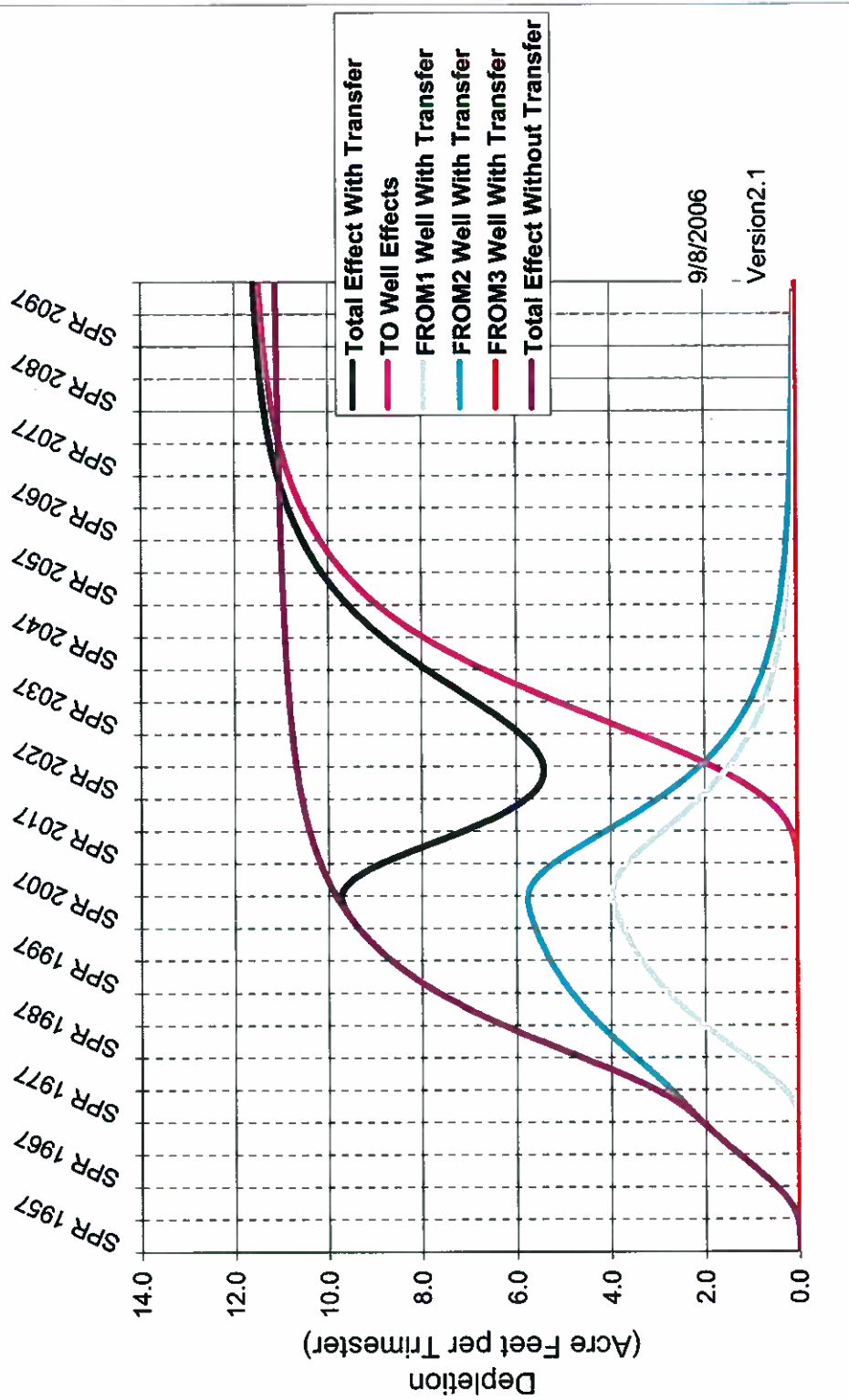


Chart 2.9

Chart 2.10

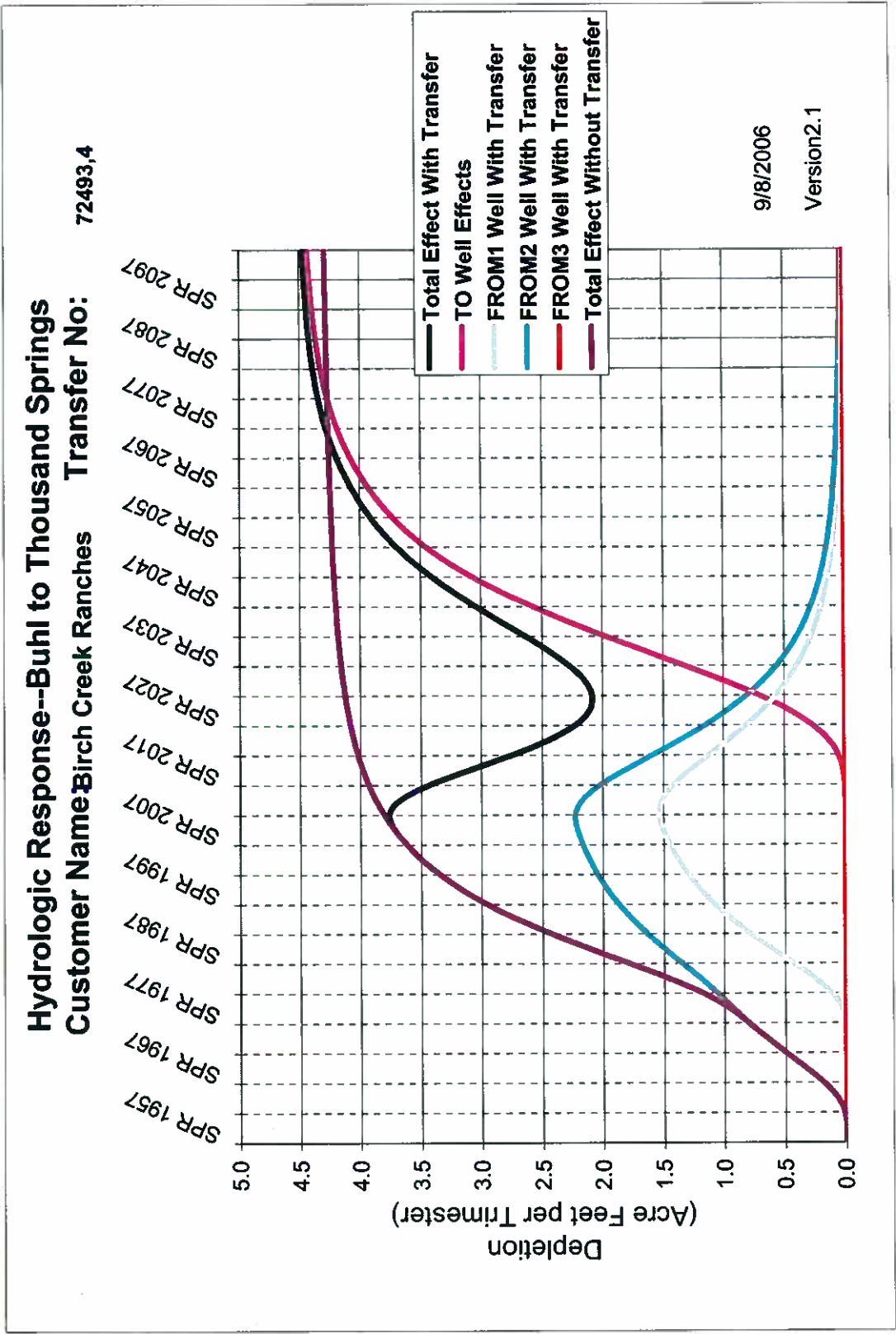


Chart 2.11

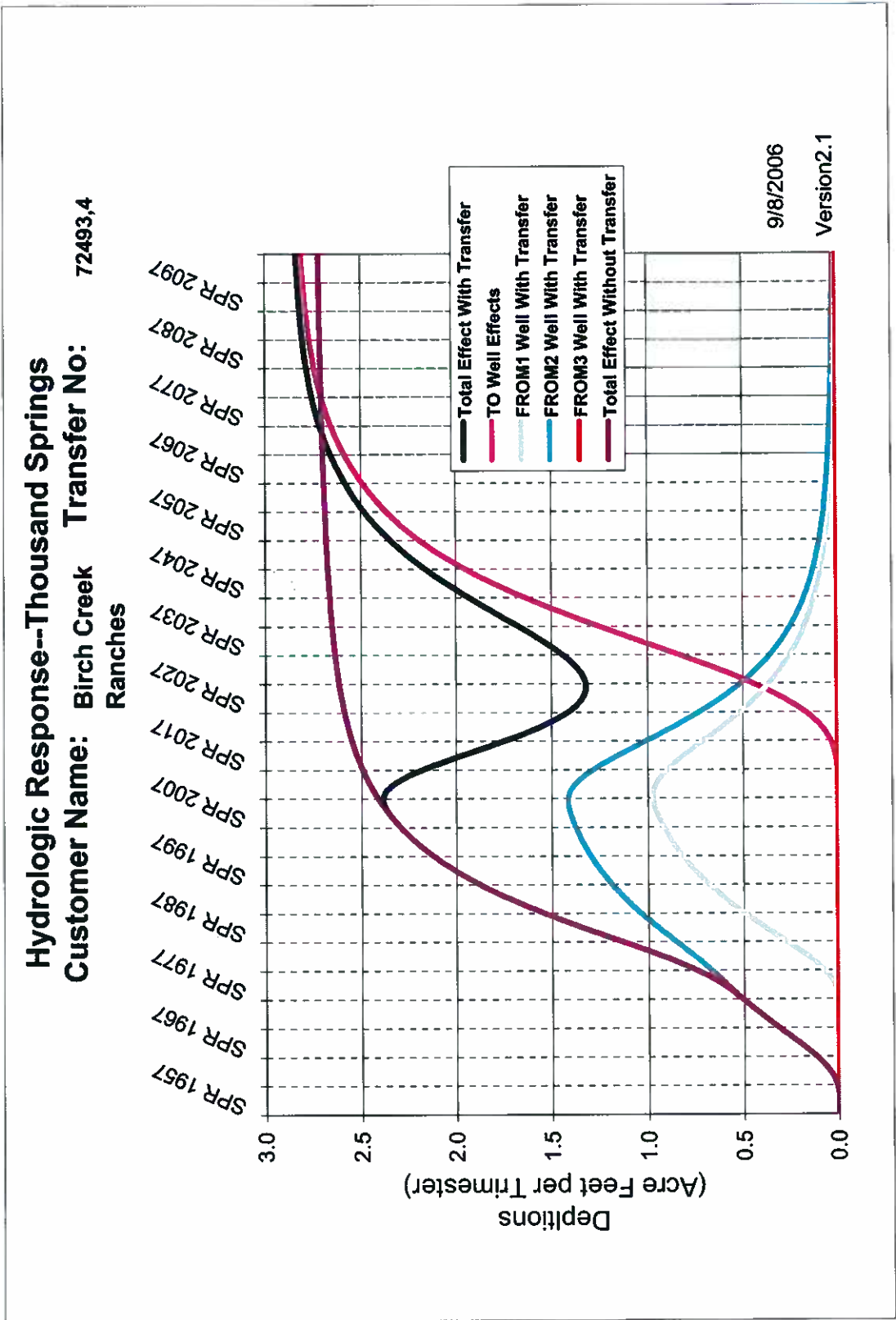


Chart 2.12

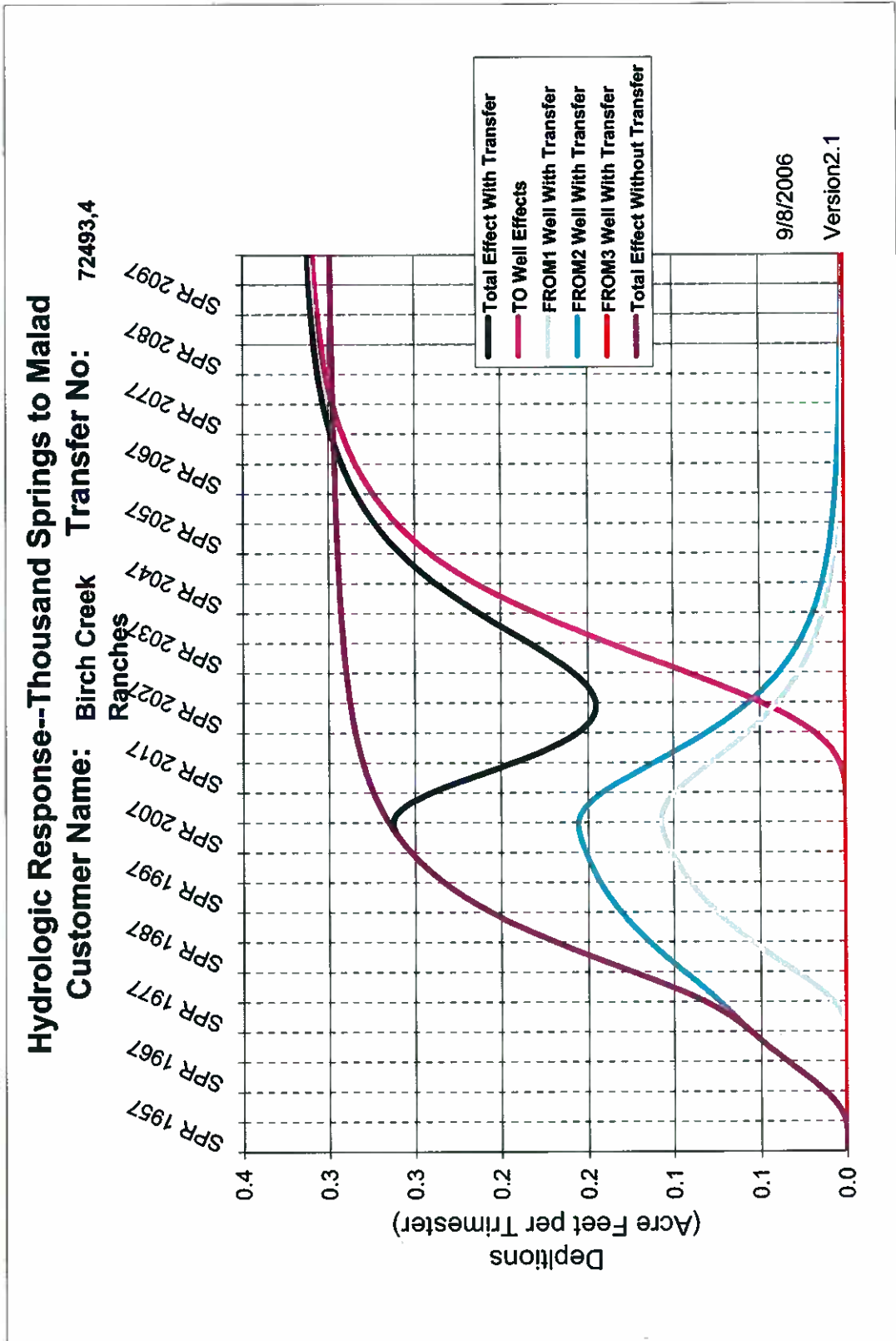


Chart 2.13

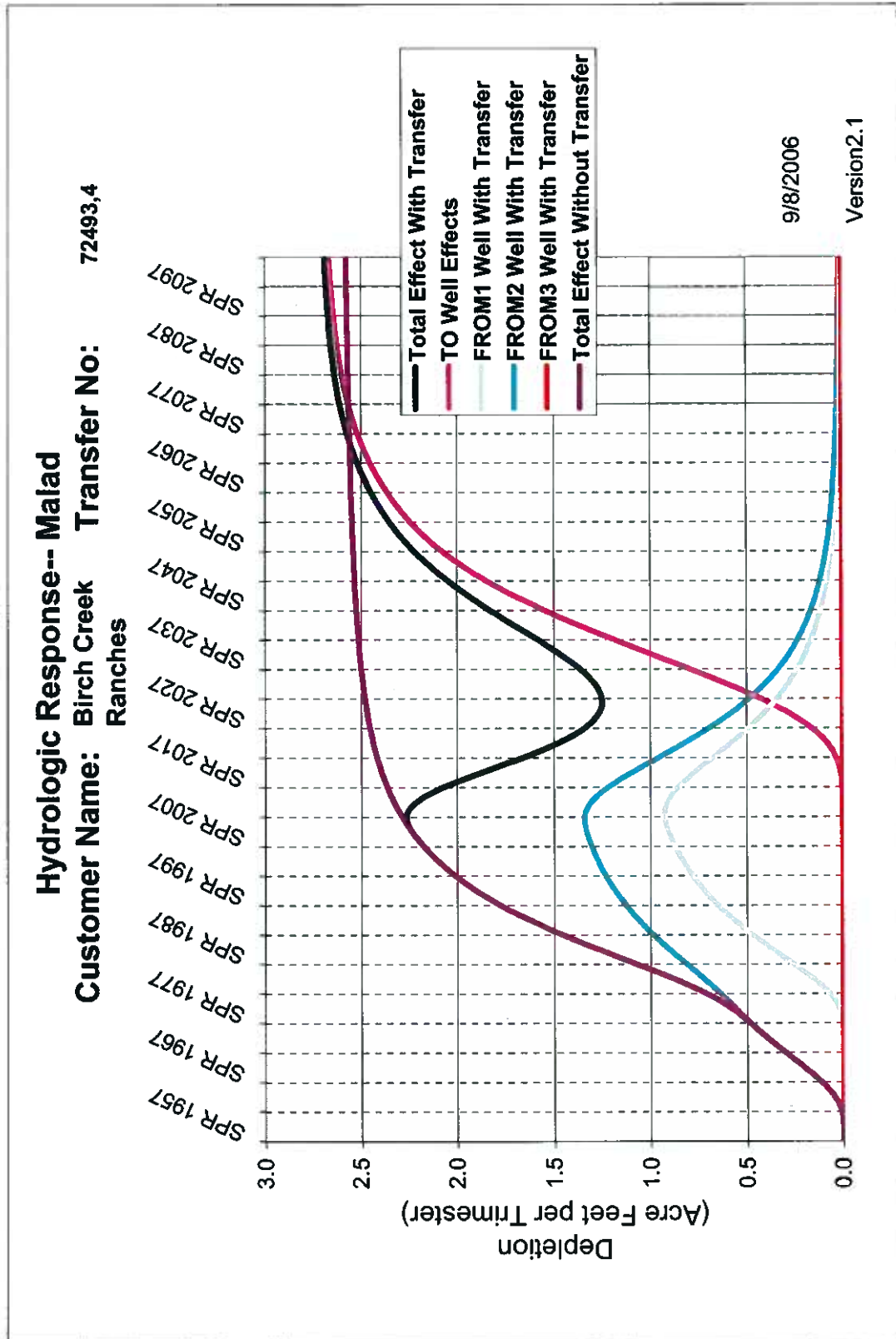


Chart 2.14

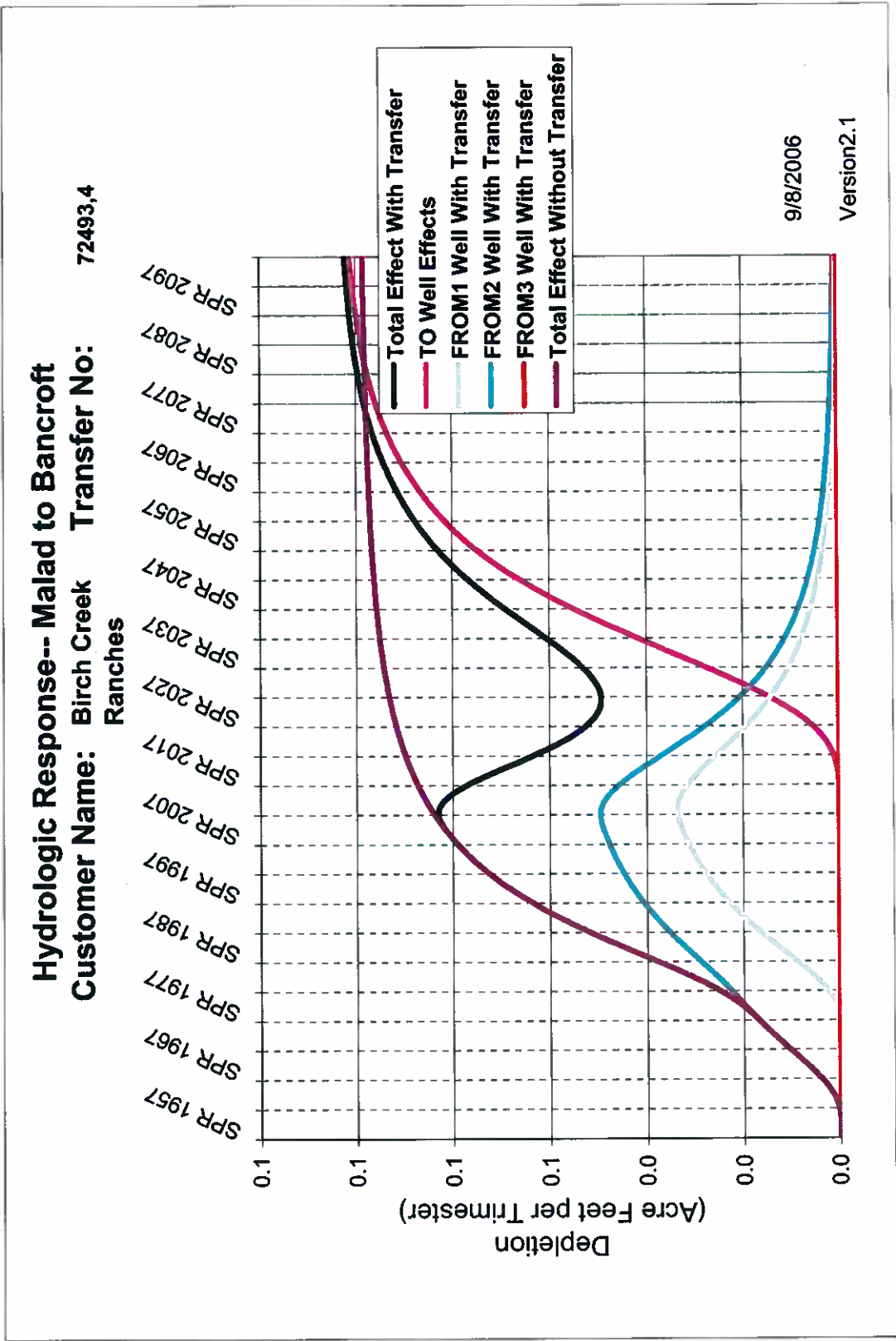
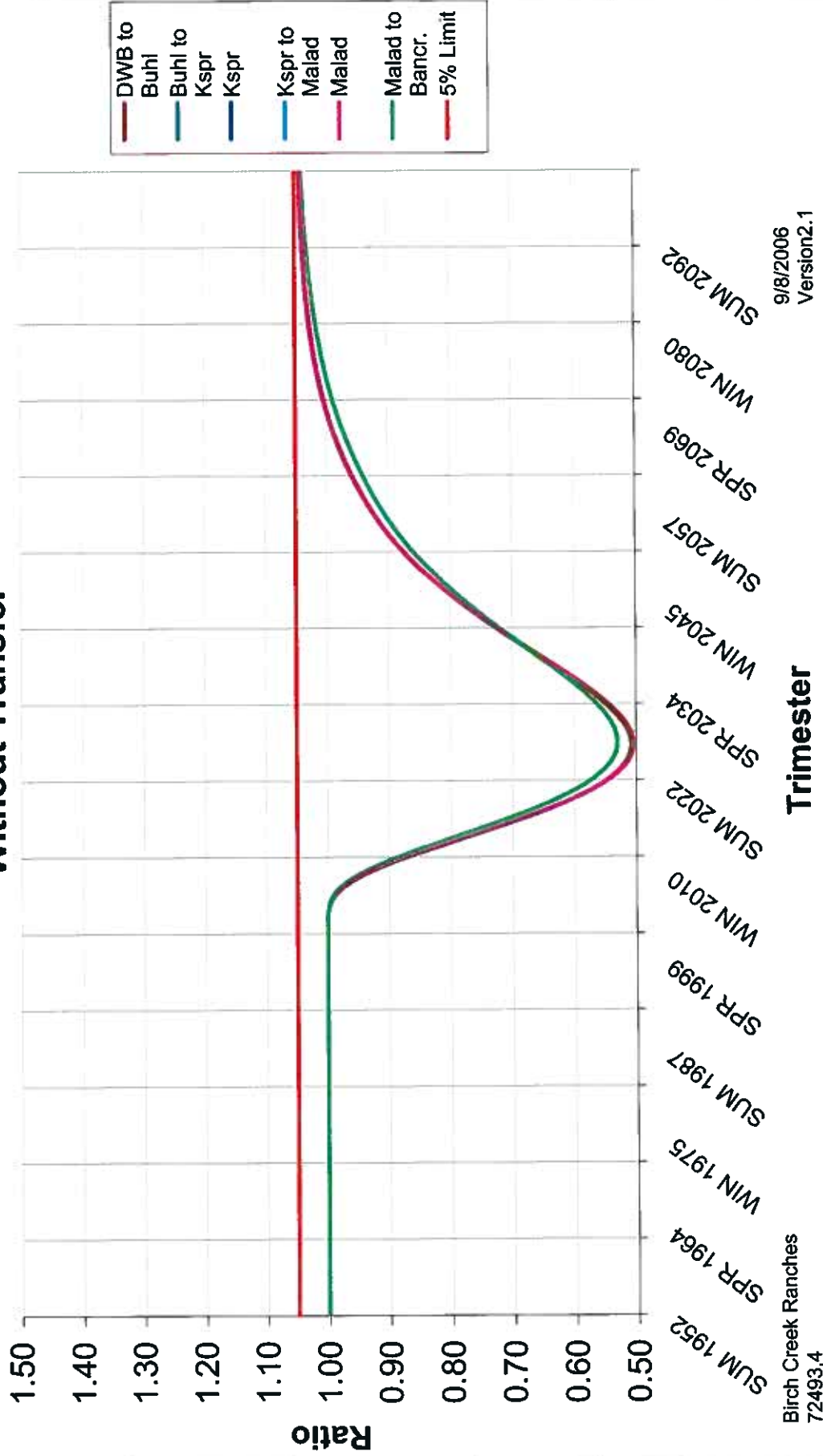


Chart 2.15

Change Below Milner as Ratio of Impact With Transfer to Impact Without Transfer





State of Idaho

DEPARTMENT OF WATER RESOURCES

Eastern Region, 900 North Skyline Drive, Suite A • Idaho Falls, Idaho 83402-1718

Phone: (208) 525-7161 • Fax: (208) 525-7177 • Web Site: www.idwr.idaho.gov

January 11, 2011

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

BIRCH CREEK RANCHES LLC
5203 S 11TH E
IDAHO FALLS ID 83404

RE: Applications for Transfer No.: 72493 / 72494
Withdrawal of Applications

Dear Applicant(s):

The Department of Water Resources acknowledges receipt of your withdrawal of the applications for transfer referenced above. The withdrawal removes your applications from any further consideration or action by the Department.

A refund request for your filing fee has been submitted to our State Office in Boise.

Please feel free to contact this office if you have any questions regarding this matter.

Sincerely,

James Cefalo
Water Resources Program Manager

JC:sc

Cox, Sharla

From: Cox, Sharla
Sent: Tuesday, January 11, 2011 2:22 PM
To: Marston, Sascha
Subject: Refund Please

Sascha, please refund the following:

Receipt #E031500
Amount \$820.00
Payable to: Reno Ditch
5203 S 11th East
Idaho Falls ID 83404

Reason: Withdrew applications for transfer 72493 and 72494

Thank you.

Sharla

Sharla Cox
Administrative Assistant
Idaho Department of Water Resources
900 N. Skyline Dr. Ste. A
Idaho Falls ID 83402
208-525-7161 - telephone
208-525-7177 - fax
sharla.cox@idwr.idaho.gov

RECEIVED

JAN 10 2011

BIRCH CREEK RANCHES, L.L.C.

5203 SOUTH 11TH EAST

IDAHO FALLS, IDAHO 83404

208-522-8069 FAX 208-522-8223

E-mail: ted@tsorenson.net

Department of Water Resources
Eastern Region

MEMORANDUM

TO: James Cefalo DATE: 1/7/2011
Water Resources Program Manager
IDWR

FROM: Ted Sorenson 500 North Skyline Drive, Suite A
Idaho Falls, Idaho

SUBJECT: Transfer 72953 & 72954 83902

REMARKS:

Please send refund check
per attached withdrawal

Thank You

SIGNED: Ted Sorenson

CC: _____

RECEIVED

JAN 10 2011

Department of Water Resources
Eastern Region

WITHDRAWAL OF APPLICATION FOR TRANSFER OF WATER RIGHT(S)

I/We, Ted Sorenson and _____,
(Applicant's Printed Name) (Applicant's Printed Name)

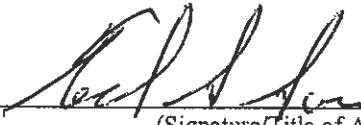
on behalf of Birch Creek Ranches, L LaVar Newman, and Reno Ditch Company

_____ and _____,
(Applicant's Printed Name) (Applicant's Printed Name)

hereby withdraw our Application for Transfer No. 72493 and 72494 of Water Right

No(s). 32-7025, 32-10127, 32-2100, and 32-10154

Signed this 6 day of January, 20 2011 ^{TSJ}


(Signature/Title of Applicant)

(Signature/Title of Applicant)

(Signature/Title of Applicant)

(Signature/Title of Applicant)

★ Request refund on
receipt E031500

Payable to: Reno Ditch Co.
\$820⁰⁰

Page _____ of _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. _____

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1

Name of applicant L LA VAR NEWMAN Phone _____
Post Office address 2491N BOOE MONTEVIEW

A. PURPOSE OF TRANSFER

1. ☐ Change point of diversion ☒ Add diversion point(s) ☒ Change place of use
☐ Change nature of use ☐ Change period of use ☐ Other _____

2. Describe the reason for the proposed changes ADDING FOUR WELLS TO THE
SYSTEM. POW WILL BE THE RENO DITCH CO LAND
LIST

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. Right Number	Priority	Amount (cfs/ac-ft)	Nature of Use	Period of Use
32-2100	1957	5.42	~~4~~ IRR	4/1 to 11/1
32-10154	1975	0.00	IRR	4/1 to 16/31
				to
				to

2. Total amount of water being transferred 5.42 cubic feet per second and/or _____ acre-feet per annum.

3. Source of water GW tributary to _____

4. Point(s) of Diversion: EXISTING POT PLUS ↓

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
		SW	SW	19	10N	30E	CLARK	
		SE	SW	19	10N	30E	CLARK	
		SW	SW	29	10N	30E	CLARK	
		NW	NW	32	10N	30E	CLARK	

5. Lands irrigated or place of use: LAND LIST REND DITCH 32-59

[illegible]

Total acres 5723
680-K06

72 49 4

PART 1**6. General Information:**

a. Description of diversion system WELLS/PUMPS OPEN DISCHARGE INTO
Birch Creek and then thru the Reno ditch
system.

b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts? X Yes _____ No. If yes, provide a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes.

c. Describe the affect on the land now irrigated if the place of use is changed pursuant to this transfer:

NONE

d. Remarks:

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. _____

And said application is hereby _____, subject to the following limitations and conditions:

Witness my hand this _____ day of _____, 19 _____.

PART 3**B. CHANGES IN NATURE OF USE**

1	<u>New Nature of Use</u>	<u>Amount (cfs/ac-ft)</u>	<u>Hours/days/year</u>	<u>Period of Use</u>
				_____ to _____
				_____ to _____

2. Quantity and quality of return flows and location of discharge:

3. Describe effects on other water uses resulting from the proposed change:

I hereby assert that no one will be injured by such change and that 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.

I understand that any willful misrepresentations made in this application may result in voiding its approval.

Subscribed and sworn to before me this _____ day of _____, 19____.



[Signature]
(Signature of Applicant)

12 day of Dec, 192005
[Signature]
(Notary Public)

My commission expires 2/26/2008**FOR DEPARTMENT USE ONLY**

Transfer contains _____ pages and _____ attachments

Received by _____ Date _____ Protest filed by _____

Prelim. check by DC Fee 450 E031500Received by DC Date 12/15/2005

Published in _____ Copies of protest forwarded by _____

Pub. dates _____ Hearing held by _____ Date _____

Watermaster recommendation requested on _____ Recommended for ☐ approval ☐ denial

_____ rec'd. _____ by _____

Copy of transfer sent to lien holder _____

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 32-2100

WATER RIGHT NUMBER: 32-2100

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	L LA VAR NEWMAN 2491 N 800 E MONTEVIEW, ID 83435 (208)657-2252
Original Owner	ESTATE OF BEN R WILDING STAR RT DUBOIS, ID 83423 (208)657-2577
Original Owner	CLEO B WILDING MONTEVIEW, ID 83435 (208)657-2569
Original Owner	ELDA H WILDING STAR RT DUBOIS, ID 83423 (208)657-2577

Priority Date: 03/12/1957

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From</u> <u>To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	4/01 to 11/01	5.420 CFS	1,260.00 AF
	<u>Total Diversion:</u>	5.420 CFS	1,260.00 AF

Location of Point(s) of Diversion

GROUND WATER	NW1/4SE1/4NE1/4	Sec. 12, Twp 08N, Rge 32E, B.M.
JEFFERSON County		

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
08N	33E	7	40.0	40.0	40.0	40.0	40.0									40.0	40.0	40.0	40.0	360.0
08N	33E	8					40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0						320.0

Total Acres: 680

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report 32-2100

Conditions of Approval:

1. C05 RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
2. USE OF THIS RIGHT WITH RIGHT NO. 32-10154 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 680 ACRES IN A SINGLE IRRIGATION SEASON.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 360 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
3. RIGHT NO. 32-10154 IS AN ENLARGEMENT OF THIS RIGHT PURSUANT TO SECTION 42-1426, IDAHO CODE.
RIGHT NO. 32-10154 IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE.
4. USE OF THIS RIGHT WITH RIGHT NO. 32-10154 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.42 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 1935 AF.
USE OF THIS RIGHT WITH RIGHT NO. 32-10154 AND THE RENO DITCH COMPANY INCORPORATED RIGHTS IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 13.6 CFS.
5. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
6. E26 USE OF WATER UNDER THIS RIGHT IS COMBINED WITH WATER FROM RENO DITCH COMPANY, INC.

Remarks:Comments:

1. AJU10-EC 7/31/1999 AJU10 CONDITION UPDATE
Comment: CONDITION CODE(S) C18 ADDED IF NOT ALREADY PART OF RECORD THRU AJU10.

Dates and Other Information:

Licensed Date:
Decreed Date: 10/27/2000
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
State or Federal: S
Owner Name Connector: OR
Water District Number:
Generic Max Rate Per Acre:
Generic Max Volume Per Acre:
Decree Defendant:
Decree Plaintiff:
Civil Case Number: 39576
Judicial District: FIFTH
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Carey Act Number:
Mitigation Plan: False

Combined Use Limits:

<u>Rate</u>	<u>Volume</u>	<u>Acres</u>
5.42	1935	680
Combined Water Rights: 32-2100 , 32-10154		

Element Reviewed/Verified Dates:

<u>Element</u>	<u>Last Reviewed Date</u>	<u>Reviewer</u>	<u>Last Verified Date</u>	<u>Verifier</u>	<u>Status</u>
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IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 32-10154

WATER RIGHT NUMBER: 32-10154

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	L LA VAR NEWMAN 2491 N 800 E MONTEVIEW, ID 83435 (208)657-2252

Priority Date: 10/31/1975

Basis: Decreed

Status: Active

<u>Source</u>	<u>Tributary</u>
GROUND WATER	

<u>Beneficial Use</u>	<u>From To</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>
IRRIGATION	4/01 to 10/31	3.200 CFS	1,120.00 AF
	<u>Total Diversion:</u>	3.200 CFS	1,120.00 AF

Location of Point(s) of Diversion

GROUND WATER	NW1/4SE1/4NE1/4	Sec. 12, Twp 08N, Rge 32E, B.M.
JEFFERSON County		

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals	
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
08N	33E	7	40.0	40.0	40.0	40.0	40.0									40.0	40.0	40.0	40.0	360.0
08N	33E	8					40.0	40.0	40.0	40.0	40.0	40.0	40.0							320.0

Total Acres: 680

Conditions of Approval:

1. THIS RIGHT IS BASED UPON AN ENLARGEMENT OF RIGHT NO. 32-02100 PURSUANT TO SECTION 42-1426, IDAHO CODE.
2. E26 USE OF WATER UNDER THIS RIGHT IS COMBINED WITH WATER FROM RENO DITCH COMPANY, INC.
3. USE OF THIS RIGHT WITH RIGHT NO. 32-02100 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.42 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 1935 AF. USE OF THIS RIGHT WITH RIGHT NO. 32-02100 AND THE RENO DITCH COMPANY INCORPORATED RIGHTS IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 13.6 CFS.
4. THIS RIGHT IS FOR AN ENLARGEMENT OF 320 ACRES WITHIN THE PLACE OF USE DESCRIBED FOR THIS RIGHT. RIGHT NO. 32-02100 IS ALSO DIVERTED THROUGH POINT DIVERSION DESCRIBED ABOVE.

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 32-10154

5. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.
6. C11 THIS WATER RIGHT IS SUBORDINATE TO ALL WATER RIGHTS WITH A PRIORITY DATE EARLIER THAN APRIL 12, 1994, THAT ARE NOT DECREED AS ENLARGEMENTS PURSUANT TO SECTION 42-1426, IDAHO CODE. AS BETWEEN WATER RIGHTS DECREED AS ENLARGEMENTS PURSUANT TO SECTION 42-1426, IDAHO CODE, THE EARLIER PRIORITY RIGHT IS THE SUPERIOR RIGHT.
7. USE OF THIS RIGHT WITH RIGHT NO. 32-02100 IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 680 ACRES IN A SINGLE IRRIGATION SEASON.

Remarks:Comments:

1. BCONTOR 7/26/1999 PRIORITY DATE
Comment: PRIORITY BASED ON EVIDENCE OF BENEFICIAL USE IN ORTHO PHOTO.
2. AJU10-EC 7/31/1999 AJU10 CONDITION UPDATE
Comment: CONDITION CODE(S) C18 ADDED IF NOT ALREADY PART OF RECORD THRU AJU10.
3. kpickett 11/4/2005 POD
Comment: Correlated PODID 503753 from SpatialDataID 225959 to SpatialDataID 225976

Dates and Other Information:

Licensed Date:
 Decreed Date: 10/27/2000
 Enlargement Use Priority Date:
 Enlargement Statute Priority Date:
 State or Federal: S
 Owner Name Connector: OR
 Water District Number:
 Generic Max Rate Per Acre:
 Generic Max Volume Per Acre:
 Decree Defendant:
 Decree Plaintiff:
 Civil Case Number: 39576
 Judicial District: FIFTH
 Swan Falls Trust or Nontrust:
 Swan Falls Dismissed:
 DLE Act Number:
 Carey Act Number:
 Mitigation Plan: False

Combined Use Limits:

<u>Rate</u>	<u>Volume</u>	<u>Acres</u>
5.42	1935	680
Combined Water Rights: 32-2100 , 32-10154		

Element Reviewed/Verified Dates:

<u>Element</u>	<u>Last Reviewed Date</u>	<u>Reviewer</u>	<u>Last Verified Date</u>	<u>Verifier</u>	<u>Status</u>
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Verification Log:

<u>Element</u>	<u>Date Time Stamp</u>	<u>Reviewer</u>	<u>Log text</u>
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MAKE CHECK PAYABLE TO:
DEANN MADSEN, TAX COLLECTOR
JEFFERSON COUNTY TREASURER
134 NORTH CLARK RM #21
RIGBY, IDAHO 83442

2004 TAX BILL/RECEIPT

BILL# 11431 CODE AREA 30-0000 L

PARCEL NUMBER
RP08N33E082400A
101,499

1ST HALF DUE
TAX 584.62

2ND HALF DUE
TAX 584.62

TOT MV 101,499

TAX 584.62
LATE
INT
COST
TOT

FULL DUE
TAX 1,169.24

LATE
INT
COST
TOT
PAID
12.08.04

L 2 LIMITED PARTNERSHIP
& L3 LIMITED PARTNERSHIP
% NEWMAN L LAVAR & LOUISE
2941 N 800 E
MONTEVIEW ID 83435

TAXING DISTRICT
STATE .000000000
COUNTY .003777242
SCH DIST 253 .006020657
ROAD/BRIDGE .000486801
WT JEFF CEM .000104554
W JEFF FIRE D .000544068
LIBRARY DIST .000418424
W. JEFF AMB .000168489
AMOUNT DUE .011520235

AMOUNT
383.38
611.08
49.40
10.60
55.22
42.46
17.10
1,169.24

SW4; NW4; SEC 8,
TWP 8 NORTH RGE 33 EBM

*Lower Reno
EAST 1/2*

*** IMPORTANT ***
PLEASE READ BOTH FRONT AND BACK
*** MONTHLY PAYMENTS ARE ACCEPTED ***

PAYMENTS RECEIVED WITH A DELINQUENCY WILL BE
APPLIED TO THE OLDEST DELINQUENT YEAR.
TO AVOID LATE CHARGES, PAYMENTS MUST BE
RECEIVED OR POSTMARKED BY THE DUE DATE.
KEEP TOP PORTION FOR YOUR RECORDS.
PERSONAL CHECKS ARE YOUR RECEIPT
SUBJECT TO BANK CLEARANCE.

YOUR CHECK IS YOUR RECEIPT. NO REMINDER CARDS ARE
SENT IN JUNE. CALL 745-9219 WITH QUESTIONS.

MAKE CHECK PAYABLE TO:
DEANN MADSEN, TAX COLLECTOR
JEFFERSON COUNTY TREASURER
134 NORTH CLARK RM #21
RIGBY, IDAHO 83442

2004 TAX BILL/RECEIPT

BILL# 11427 CODE AREA 30-0000 L
I

PARCEL NUMBER
RP08N33E070001A

123,940
12,436

1ST HALF DUE
TAX 785.53
LATE
INT
COST
TOT

2ND HALF DUE
TAX 785.53
LATE
INT
COST
TOT

FULL DUE
1,571.06

PAID
12-08-04

TOT MV 136,376

TOT ACS 360.000

L2 LIMITED PARTNERSHIP &&
L3 LIMITED PARTNERSHIP
% NEWMAN L LAVAR & LOUISE J
2941 N 800 E
MONTEVIEW ID 83435

E1/2: NE1/4NW1/4; SEC 7,
TWP 8 NORTH RGE 33 EBM

TAXING DISTRICT
STATE
COUNTY
SCH DIST 253
ROAD/BRIDGE
WT JEFF CEM
W JEFF FIRE D
LIBRARY DIST
W. JEFF AMB
AMOUNT DUE

RATE
•000000000
•003777242
•006020657
•000486801
•000104554
•000544068
•000418424
•000168489
•011520235

AMOUNT
515.12
821.06
66.38
14.26
74.20
57.06
22.98
1,571.06

341 E 2800 N

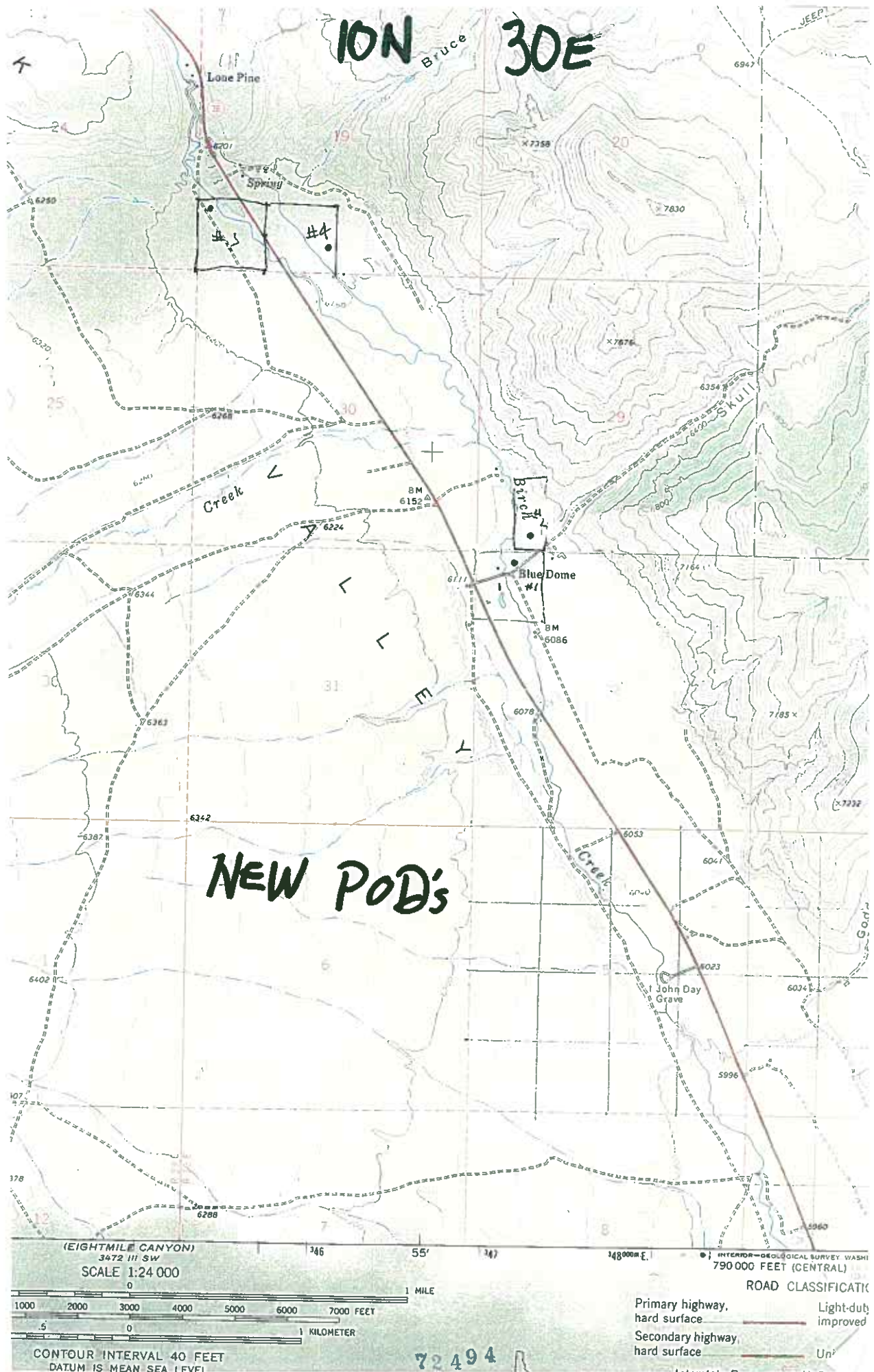
83435

Lower Reno West 360

*** IMPORTANT ***
PLEASE READ BOTH FRONT AND BACK
*** MONTHLY PAYMENTS ARE ACCEPTED ***

PAYMENTS RECEIVED WITH A DELINQUENCY WILL BE
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TO AVOID LATE CHARGES, PAYMENTS MUST BE
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KEEP TOP PORTION FOR YOUR RECORDS.
PERSONAL CHECKS ARE YOUR RECEIPT
SUBJECT TO BANK CLEARANCE.

YOUR CHECK IS YOUR RECEIPT. NO REMINDER CARDS ARE
SENT IN JUNE. CALL 745-9219 WITH QUESTIONS.





State of Idaho

DEPARTMENT OF WATER RESOURCES

Eastern Region, 900 North Skyline Drive, Suite A • Idaho Falls, Idaho 83402-1718

Phone: (208) 525-7161 • Fax: (208) 525-7177 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

December 8, 2010

Ted Sorenson
Reno Ditch Company
5203 South 11th East
Idaho Falls, ID 83404

Re: Transfer Applications 72493 and 72494

Dear Mr. Sorenson,

On December 15, 2005, you filed two applications for transfer seeking to add points of diversion to a number of ground water rights (32-7025, 32-10127, 32-2100, and 32-10154). The new ground water wells would discharge water into Birch Creek. The water would then be conveyed through the Reno Ditch system. Shortly after the applications were filed, you asked the department to hold-off on processing the transfers to allow time to conduct pump tests to determine whether water was available at the proposed sites and the extent of impacts to local ground water wells. An initial study completed by Brockway Engineering states that local ground water wells could be impacted.

Because the transfers had been pending before the department for four years, in fall 2009 Dave Carlson asked you to withdraw the transfers and re-file them when you were prepared to move forward with the project. In a letter dated January 19, 2010, you requested one more year to complete the pump tests. It appears that the pump tests were not performed in 2010 as anticipated.

We are again asking you to consider withdrawing the transfers until you are in a position to actively pursue their approval. Because the transfers were never advertised, you are entitled to a refund of the \$820.00 filing fee. A refund will be issued upon receipt of the withdrawal forms. If we do not receive a signed withdrawal within 30 days, we will take steps to officially reject the transfers without prejudice based on the fact that the mitigation plan is incomplete. Thank you for your cooperation in this matter.

Sincerely,

James Cefalo
Water Resources Program Manager
IDWR – Eastern Region

Encl: Withdrawal of Transfer Form

January 12, 2010

BIRCH CREEK RANCHES LLC
5203 S 11TH E
IDAHO FALLS, ID 83404

RE: Application for Transfer 72493 and 72494

Dear Ted:

Enclosed is an ownership form for water right 33-7087, the Bell Mountain Hydro project. Sign and return it to us with \$25.00 fees.

Also I am sending you two Withdrawal of Transfer forms for the 2 current transfers that you and Lavar have to move your groundwater rights up into Birch Creek. Please decide how you want to proceed with these two transfers and let us know.

Please feel free to contact this office if you have any questions.

Sincerely,

Dave Carlson
Eastern Region-IDWR



April 17, 2006

Idaho Department of Water Resources
900 N. Skyline Drive
Idaho Falls, ID 83402-1781

Neil R. Hamilton
Regional Vice President
Neil.Hamilton@raboag.com
Office Address 10100 Trinity Parkway,
Suite 400
Stockton, CA 95219
Tel (209) 472-3900
Fax (209) 951-3038
www.RaboAg.com

Re: Loan No. 412339
L2 Limited Partnership

To Whom It May Concern:

Please be advised that Rabobank N.A. formerly known as Valley Independent Bank holds a first lien on real estate security which also encumbers the above captioned water licenses.

Rabobank N.A. hereby authorizes the transfer of the point of diversion in regards to the property encumbered by our Mortgage.

If you have any questions or additional requirements please feel free to contact this office.

Sincerely,

Neil R. Hamilton
Regional Vice President

NRH/kk

cc: Robb Steinke, Sr. Relationship Manager

cc: L2 Limited Partnership

RECEIVED
APR 20 2006
Department of Water Resources
Eastern Region

**BIRCH CREEK RANCHES LLC GIVES PERMISSION TO
LAVAR NEWMAN TO DRILL WELLS**

Birch Creek Ranches hereby grants Permission for Lavar Newman to drill a wells as additional points of diversion for Water Right No.32-2100 in the amount of 5.42 cfs in the following locations:

1. SW, SW Section 19, Township 10 North 30 East, Clark County.
2. SE, SW Section 10, Township 10 North 30 East, Clark County.
3. SW, SW Section 29, Township 10 North 30 East, Clark County.
4. NW, NW Section 32, Township 10 North 30 East, Clark County.

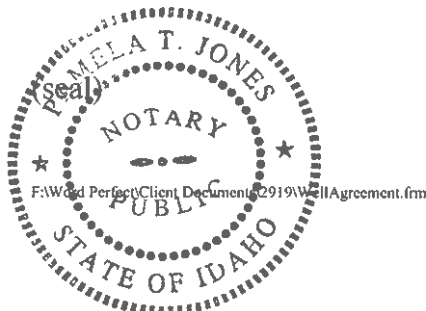
Dated: 12/14/2005

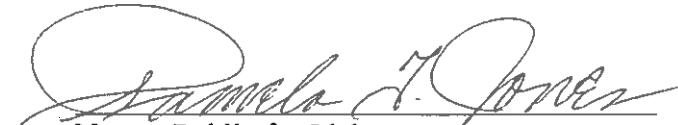

Ted S. Sorenson
BIRCH CREEK RANCHES, LLC

STATE OF IDAHO)
)ss.
County of Bonneville)

On the 14th day of December, 2005, before me, the undersigned, a notary public, in and for said State, personally appeared Ted S. Sorenson, known or identified to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she 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 Public for Idaho
Residing at Idaho Falls, Idaho
My Commission Expires: 11/01/2006

**MINUTES OF THE ANNUAL MEETING OF THE SHAREHOLDERS AND
BOARD OF DIRECTORS OF RENO DITCH COMPANY, INC.**

Held at Montevue, Idaho
October 14, 2005

The annual meeting of the Shareholders and Board of Directors of the Reno Ditch Company, Inc. was held at Montevue, Idaho on the 14th day of October at 1:00 p.m. pursuant to notice. The following people were present in person.

Ted S. Sorenson, member of Birch Creek Ranches, LLC

Lane Newman and LaVar Newman, Partners of L 2 Limited Partnership

Lewis J. Newman, General Partner of L 2 Limited Partnership

Gayle A. Sorenson

The meeting was conducted by LaVar Newman, Acting President of the Company. The first item of business to come before the meeting was the Proxy Report. It was noted that all shareholders were present and that no shareholders were represented by proxy.

The next item of business to come before the meeting was the election of directors.

An election was held and the following were elected as the Directors for the Company to serve for the upcoming year and until their successors are elected and qualified:

LaVar Newman
Ted S. Sorenson
Lewis Newman
Lane Newman

The next item of business to come before the meeting was the election of officers. An election was held and the following persons were unanimously elected to the offices set forth opposite their names below to serve for the upcoming year and until their successors are elected and qualified:

President	LaVar Newman
Vice President	Ted S. Sorenson
Secretary/Treasurer	Gayle A. Sorenson

Ted Sorenson proposed that the Company apply for a well at Skull Canyon as an additional point of diversion. After a discussion, Ted Sorenson was unanimously authorized to

apply for a permit for a well that could be used as an additional point of diversion at Skull Canyon on behalf of the Company.

There being no further business to come before the Shareholders or Directors at this time, the meeting was adjourned.

Dated: 12/12/2005


Gayle A. Sorenson, Secretary

CORPORATE SEAL

F:\Word Perfect\Client Documents\2919\MinutesWaterB.frm

2 - MINUTES OF THE ANNUAL MEETING OF SHAREHOLDERS AND BOARD OF DIRECTORS OF RENO DITCH COMPANY, INC.

CONTRACT OF SALE

THIS CONTRACT OF SALE, made and entered into as of this 22 day of March, 1989, by WILLIAM T. SIMMONS, individually and as personal representative of the estate of Theola Simmons, hereinafter referred to as "SELLER", and BIRCH CREEK RANCHES, INC., an Idaho corporation hereinafter referred to as "BUYER",

WITNESSETH:

In consideration of the mutual covenants set forth herein the parties agree as follows:

1. Sale.

SELLER hereby agrees to sell to BUYER on the performance of the agreements of BUYER as hereinafter set forth, and to convey or cause to be conveyed by the legal owner or owners thereof by good and sufficient instruments of conveyance hereinafter described, free and clear of liens and encumbrances, excepting any liens or encumbrances that may have attached by reason of any act or deed of BUYER, or any lien or encumbrance to which this Contract of Sale is expressly made subject, the following described real and personal property situate in Clark County, Idaho:

REAL PROPERTY

TRACT 1:

Township 10 North, Range 29 East, Boise Meridian, Clark County, Idaho

Section 11: W1/2 NW1/4

Township 10 North, Range 30 East, Boise Meridian, Clark County, Idaho

Section 29: SE1/4 SW1/4

Section 32: NE1/4 NW1/4
S1/2 NW1/4
N1/2 SW1/4
SE1/4 SW1/4
W1/2 E1/2
SE1/4 SE1/4

right-of-way line of Idaho State Highway No. 28; thence N03°22'00"W along said Westerly right-of-way line, a distance of 434.12 feet to a Brass Cap Monument marking a point of curvature Station 2532+65.8 Back 2532+66.2 Ahead; thence Northwesterly along said Westerly right-of-way line on a 04°08'40" Degree curve to the left, having a central angle of 01°50'47", a radius of 1382.50 feet, a chord bearing of N04°17'23"W, a chord distance of 44.55 feet, and a arc distance of 44.55 feet to the True Point of Beginning.

Section 25: NE1/4 NE1/4

Township 10 North, Range 30 East, Boise Meridian, Clark County, Idaho

Section 19: Lots 2, 3, and 4
SE1/4 SW1/4
SW1/4 SE1/4

Section 30: Lot 1
E1/2 NW1/4
NE1/4

EXCEPTING THEREFROM: Beginning at the Quarter Section Corner common to Section 29 and 30, Township 10 North, Range 30 East, Boise Meridian, where a stone is placed marked "1/4" lies; thence along the center line of Section 30, S89°58'W 40 chains; thence N0°02'W 4.86 chains; thence N57°28'E 20.72 chains; thence N83°53'E 22.65 chains; thence S0°04'E along the Section line common to Sections 29 and 30, 18.38 chains to the point of beginning.

ALSO EXCEPTING THEREFROM the following described property in Sections 19 and 30 of Township 10 North Range 30 East Boise Meridian, hereinafter referred to as the "Gray Place", to-wit:

All of the North Half of Section 30, Township 10 North, Range 30 East lying East of the Highway 28 right-of-way. The Southwest 1/4 of the Southeast 1/4, Section 19, Township 10 North, Range 30 East; the Southeast 1/4 of the Southwest 1/4 of Section 19, Township 10 North, Range 30 East lying East of Highway 28 right-of-way; Lot 4 of Section 19, Township 10 North, Range 30 East lying East of

Highway 28 right-of-way. That portion of Lot 3 lying East of Highway 28 right-of-way and South of a line running East from the intersection of the highway right-of-way and the existing fence line (known as the Dance Hall field fence). Including any water rights to Miller Spring located in Section 19, Township 10 North, Range 30 East, Boise Meridian. EXCEPTING therefrom the following: Beginning at the Quarter Section Corner common to Section 29 and 30, Township 10 North, Range 30 East, Boise Meridian, where a stone is placed marked "1/4" lies; thence along the center line of Section 30, S89°58'W 40 chains; thence N0°02'W 4.86 chains; thence N57°28'E 20.72 chains; thence N83°53'E 22.65 chains; thence S0°04'E along the Section line common to Sections 29 and 30, 18.38 chains to the point of beginning.

TOGETHER WITH THE FOLLOWING:

1. All water rights which arise from Birch Creek which are appurtenant to the Gray Place. The Seller is by this instrument retaining title to the Gray Place and any water rights in Miller Spring located on the Gray Place. Provided, however, the Seller is transferring by this instrument to the Buyer all water rights arising from Birch Creek which are appurtenant to the Gray Place.
2. All State of Idaho, Bureau of Land Management and United States Forest Service Grazing privileges and permits which are appurtenant to the above described property and the Gray Place, or granted in connection with the use, possession or ownership of such property.
3. All contract rights and rights to payment pertaining to the above described property (including the Gray Place) under the Conservation Reserve Program administered by the United States Department of Agriculture and the Agricultural Stabilization and Conservation Committee.
4. All and singular the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining, including, but not limited to, all buildings, fences, headgates situate thereon, and all mineral rights, water rights and ditch rights, and the reversions, remainder and remainders, rents, issues and profits thereof; and all estate, right, title and interest in and to the property, as well in law as in equity, of Seller.

10. Advances by Seller.

In the event BUYER shall fail to make any payment or to do any act as herein provided, then SELLER, but without obligation so to do and without notice to or demand upon BUYER, and without releasing BUYER from any obligation hereof, may make or do the same in such manner and to such extent as SELLER may deem necessary to protect SELLER's security under the terms of this Contract of Sale, SELLER being authorized to enter upon the real properties sold hereunder for such purposes, to appear and defend any action or proceeding purporting to affect the security of this Contract of Sale, or the rights and powers of SELLER hereunder, and to pay, purchase, contest or compromise any encumbrance, charge or lien which appears to be prior or superior hereto. Any such payments made by SELLER shall immediately become amounts due and payable from BUYER to SELLER and shall carry interest at the rate of thirteen percent (13%) per annum, and the failure of BUYER to immediately pay SELLER the full amount of any sums so expended, together with accrued interest, shall constitute a default under the terms of this Contract of Sale. In the event SELLER elects to make any such payments in order to protect his security under the terms of this Contract of Sale, SELLER nevertheless shall not have waived BUYER's default nor shall SELLER be deemed to have made an election of remedies, and SELLER shall be entitled to act on such default as provided in this Contract of Sale.

11. Gray Place.

It is understood and agreed that SELLER is retaining title to the Gray Place and any water rights in Miller Spring located thereon and BUYER is not purchasing said property pursuant to this Contract of Sale. Provided, however, it is understood and agreed that BUYER is by this agreement purchasing all water rights in Birch Creek which are appurtenant to the Gray Place. Also, contemporaneous with the execution of this agreement, SELLER is executing and providing to BUYER an easement agreement wherein BUYER is obtaining certain rights to drill wells on the Gray Place and to perform water conservation measures to that portion of Birch Creek located on the Gray Place. SELLER is also contemporaneous with the execution of this agreement entering into an agreement with BUYER which provides to BUYER a right of first refusal to purchase the Gray Place from SELLER. SELLER agrees that whenever the water from Miller Spring is not being diverted by SELLER for sprinkle irrigation purposes, that SELLER will divert the water from Miller Spring into Birch Creek so that

such water will be available to BUYER. SELLER also agrees to only sprinkle irrigate from Miller Spring. The parties acknowledge that it will be necessary to survey the Gray place as soon as weather permits in order to accurately locate the south fence line of the Dance Hall field referred to herein in the description for the Gray Place. BUYER shall obtain such survey at its own cost and expense. Once such survey is completed, BUYER and SELLER agree to enter into an amendment to this Contract of Sale, the Notice of Contract of Sale referred to in paragraph 25 herein and the right of first refusal given to BUYER pertaining to the Gray Place in order to set forth the full legal description for the Gray Place established by such survey. The Warranty Deed from SELLER to BUYER referred to in paragraph 3 herein shall set forth the legal description for the Gray Place established by such survey.

12. Grazing Rights.

It is understood and agreed that BUYER is purchasing from SELLER pursuant to this agreement all State of Idaho, Bureau of Land Management and United States Forest Service grazing privileges and permits which are appurtenant to the real property described herein which is being purchased by BUYER and the Gray Place or granted in connection with the use, possession or ownership of such property. It is specifically understood and agreed that the grazing privileges and permits being purchased herein include such grazing privileges and permits which are appurtenant to or granted in connection with the use, possession or ownership of the Gray Place. SELLER agrees to execute and provide to BUYER any and all assignments, instruments of conveyance or other documents which may be reasonably necessary in order to transfer to BUYER the grazing permits and privileges which are being purchased herein by BUYER. Provided, however, in the event that BUYER defaults in the payment of the amounts referred to herein which are to paid to SELLER, then and in such event BUYER agrees to transfer such grazing rights and permits back to SELLER.

13. Conservation Reserve Program.

It is understood and agreed that BUYER is purchasing pursuant to this agreement all contract rights and rights to payment pertaining to the real property described herein being purchased by BUYER and the Gray Place under the conservation reserve program administered by the United States Department of Agriculture and the Agricultural Stabilization and Conservation Committee. Such conservation reserve program benefits which are being purchased by BUYER specifically include those

not be used in such a manner as to appreciably decrease the historical flow of water coming from Miller Spring located on the GRAY PLACE. Also, provided that such wells may not be built in such a manner to unreasonably interfere with SIMMONS' use, ownership and possession of the GRAY PLACE. Also, BIRCH CREEK RANCHES shall not without SIMMONS' permission operate more than two permanent wells at any one time on the GRAY PLACE. BIRCH CREEK RANCHES may drill additional test wells as long as they are located so that they do not unreasonably interfere with SIMMONS' use, ownership and possession of the GRAY PLACE.

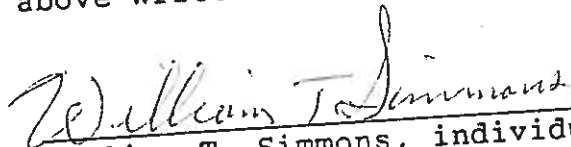
(iii) Construct temporary diversion ditches to allow sealing work and other water conservation practices to be performed on Birch Creek and to store and use on the GRAY PLACE property machinery and equipment reasonably required to construct such diversion ditches and the water wells and pipelines referred to herein and to perform the water conservation practices to Birch Creek referred to herein.

2. SIMMONS agrees not to dig any wells on the GRAY PLACE except for domestic culinary purposes and all rights to dig any other wells on the GRAY PLACE shall be held by BIRCH CREEK RANCHES and its successors and assigns. SIMMONS also shall only sprinkle irrigate with the water arising from Miller Spring on the GRAY PLACE. SIMMONS agrees that, whenever the water from Miller Spring is not being diverted by SIMMONS for sprinkler irrigation purposes, that SIMMONS will divert the water from Miller Spring into Birch Creek.

3. The easement granted herein shall be for the benefit of and appurtenant to and shall pass with title to the BIRCH CREEK RANCHES PROPERTY.

4. This Agreement shall extend to and be binding upon the heirs, personal representatives, assigns and successors in interest to the respective parties hereto.

IN WITNESS WHEREOF the parties have hereunto set their hands the day and year first above written.


William T. Simmons, individually

William T. Simmons
William T. Simmons, as personal
representative of the estate
of Theola Simmons

BIRCH CREEK RANCHES, INC.

William T. Simmons Pres
William T. Simmons, President

STATE OF IDAHO)
)ss.
County of Bonneville)

On the 22 day of March, in the year of 1989, before
me, the undersigned, a Notary Public, in and for the State of
Idaho, personally appeared William T. Simmons, known or
identified to me to be the person whose name is subscribed to
the within instrument and acknowledged to me that he 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.

(seal)

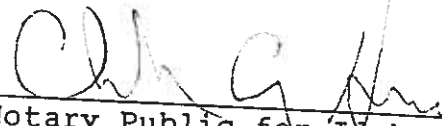
Chas A. [Signature]
Notary Public for Idaho
Residing at Idaho Falls, Idaho
My Commission Expires: 12/6/92

STATE OF IDAHO)
County of Bonneville) ss.

On the 22nd day of March, in the year of 1989, before me, the undersigned, a Notary Public, in and for the State of Idaho, personally appeared William T. Simmons, known or identified to me to be the personal representative of the estate of Theola Simmons, and subscribed to the within instrument and acknowledged to me that he executed the same as said personal representative.

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

(seal)


Notary Public for Idaho
Residing at Idaho Falls, Idaho
My Commission Expires: 12/6/92

STATE OF IDAHO)
County of Bonneville) ss.

On the 22nd day of March, in the year of 1989, before me, the undersigned, a Notary Public, in and for the State of Idaho, personally appeared William T. Simmons, known or identified to me to be the President of Birch Creek Ranches, Inc., an Idaho corporation, which corporation subscribed to the within instrument and acknowledged to me that such corporation 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.

(seal)


Notary Public for Idaho
Residing at Idaho Falls, Idaho
My Commission Expires: 12/6/92

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8050g/sam

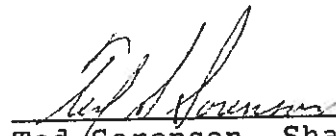
WRITTEN CONSENT IN LIEU OF MEETING
OF BOARD OF DIRECTORS AND SHAREHOLDERS

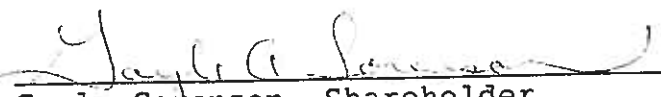
The undersigned, being all of the directors and shareholders of Birch Creek Ranches, Inc., have on this date reviewed the sale documents which have been prepared in connection with the purchase by Birch Creek Ranches, Inc. of certain real and personal property located in Clark County, Idaho, from William T. Simmons, individually and as personal representative of the estate of Theola Simmons. The undersigned are familiar with the terms and conditions of such sale documents and do therefore hereby adopt the following resolution pertaining to authority granted by the Idaho Code by unanimous written consent:

RESOLVED, that the president of Birch Creek Ranches, Inc. is hereby authorized and instructed to execute on behalf of Birch Creek Ranches, Inc. all appropriate sale documents pertaining to the sale of property located in Clark County, Idaho, from William T. Simmons, individually and as personal representative of the estate of Theola Simmons, to Birch Creek Ranches, Inc. The president of the corporation is hereby authorized and directed to enter into any and all necessary agreements required to complete such sale.

DATED this 22 day of March, 1989.


William T. Simmons, Director


Ted Sorenson, Shareholder


Gayle Sorenson, Shareholder