

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 32-13348
Exam Date: 9/20/2021

1. Current Owner:
RENO DITCH CO LLC 1032 GRANDVIEW DRIVE IVINS UT 84738
2. Accompanied by: Lane Newman, 208 681 2536

3. **SOURCE:** Tributary
BIRCH CREEK SINKS

Method of Determination: _Site visit, ArcMap, and overlapping rights_

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
Reno Ditch Co. Irrigation Rights in the NWNE of Section 12			

Comments:

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
Reno Ditch Co. Irrigation Rights			
32-7128 and 32-7136			

Comments: Reno Ditch Company rights overlap at the point of diversion, as well as Power rights 32-7128 and 32-7136. The delivery system for this right is shared with Reno Ditch Company Irrigation rights to Place of Use. Application for permit indicates that this right seeks to recharge water diverted under Power rights 32-7128 and 32-7136. Appropriator indicated that unused Reno Ditch Company Irrigation shares are recharged. The Reno Ditch Company suite of Irrigation rights, and this Ground Water Recharge right, are the most junior rights on Birch Creek. Using water for recharge instead of Irrigation does not impact senior water rights.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

BIRCH CREEK SE¼ SW¼, Sec. 34, Twp 09N, Rge 30E, B.M. CLARK County

Method of Determination: Site visit, ArcMap, and Reno Ditch Co. rights as well as Power rights 32-7128 and 32-7136.

PLACE OF USE: GROUND WATER RECHARGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08N	32E	12		X	X	X													
09N	32E	36				X									X				

Method of Determination: Arial photography and ArcMap

3. Delivery System Diagram Attached. Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- X Aerial Photo Attached (required for irrigation of 10+ acres).
- X Photo of Diversion and System Attached

4. DIVERSION INFORMATION: The point of diversion is the alteration point of Birch Creek. Same point of diversion and delivery system as Reno Ditch Co. rights and Power rights 32-7128 and 32-7136.

D. FLOW MEASUREMENTS

Although no measurement was necessary as no new water was being appropriated, meters at the site demonstrated a total of 12.78 cfs can be diverted into the site. Meter for site one is located at ~44.039, -112.638, and meter for site two is located ~44.061, -112.64. The diversion rate over the permitted amount will be covered by an application for permit filed 12/13/2021.

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

As noted above, a total of 12.78 can be diverted into the two sites. However, the right will be limited to 6.55 cfs, the maximum diverted (on 9/4/2016) during the development period, according to the documents submitted with the Proof of Beneficial Use. The remaining rate is covered by an application for permit, filed 12/13/2021.

No new water is being appropriated. As such, existing rate and/or volume combined limits from 1) Reno Ditch Company Irrigation rights, and 2) Power rights 32-7128 and 32-7136 will both be included in this license's conditions of approval.

F. VOLUME CALCULATIONS

$$6.55 \text{ cfs} * 1.9835 \text{ cfs/AF/day} * 365.25 \text{ days/year} = 4,748.25 \text{ AF/year}$$

However, the right will be limited to 1,190 AF, the volume recharged in 2016 (i.e. the development period), as reported by the applicant.

G. NARRATIVE/REMARKS/COMMENTS

Two sites recharge unused water diverted from Birch Creek via Power rights 32-7128 and 32-7136 and Reno Ditch Co. Irrigation rights.

The Application for Permit indicated that the unused water would be from Power rights 32-7128 and 32-7136. Appropriator stated at field exam that excess water was from Reno Ditch Company Irrigation rights is used instead. Reno Ditch Company's suite of Irrigation rights, and this recharge right, are the most junior rights on the river. Two senior rights, 34-65 and 34-90B, total 4 cfs, and are both owned by Wagner Ranches. Watermaster records for Water District 32D indicate that those rights are delivered constantly throughout the Irrigation season, with the remainder of the river going to the Reno Ditch Company. Using water for recharge instead of for irrigation, therefore, does not impact senior water rights.

No new water was appropriated under this right, therefore combined limits include pre-existing rate and volume limitations with both the Reno Ditch Irrigation rights and the Power rights (32-7128 and 32-7136). These combined limits are intended to be considered separately.

Two sites are used for Ground Water Recharge. The Appropriators have used the sites to provide mitigation Ground Water Recharge for various Ground Water Irrigation rights that do not overlap at the Place of Use.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
GROUND WATER RECHARGE	01/01 to 12/31	6.55 CFS	1190 AF

Totals:

6.55 CFS

1190 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

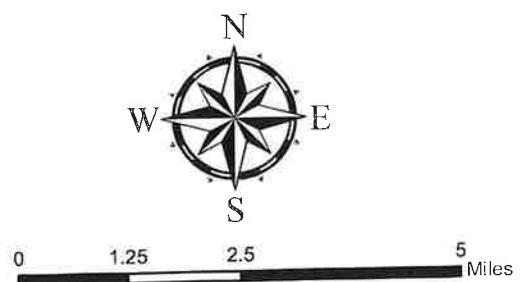
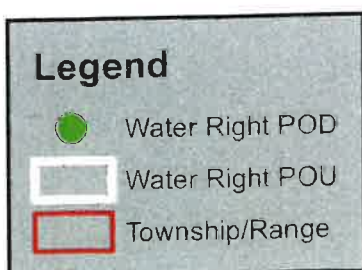
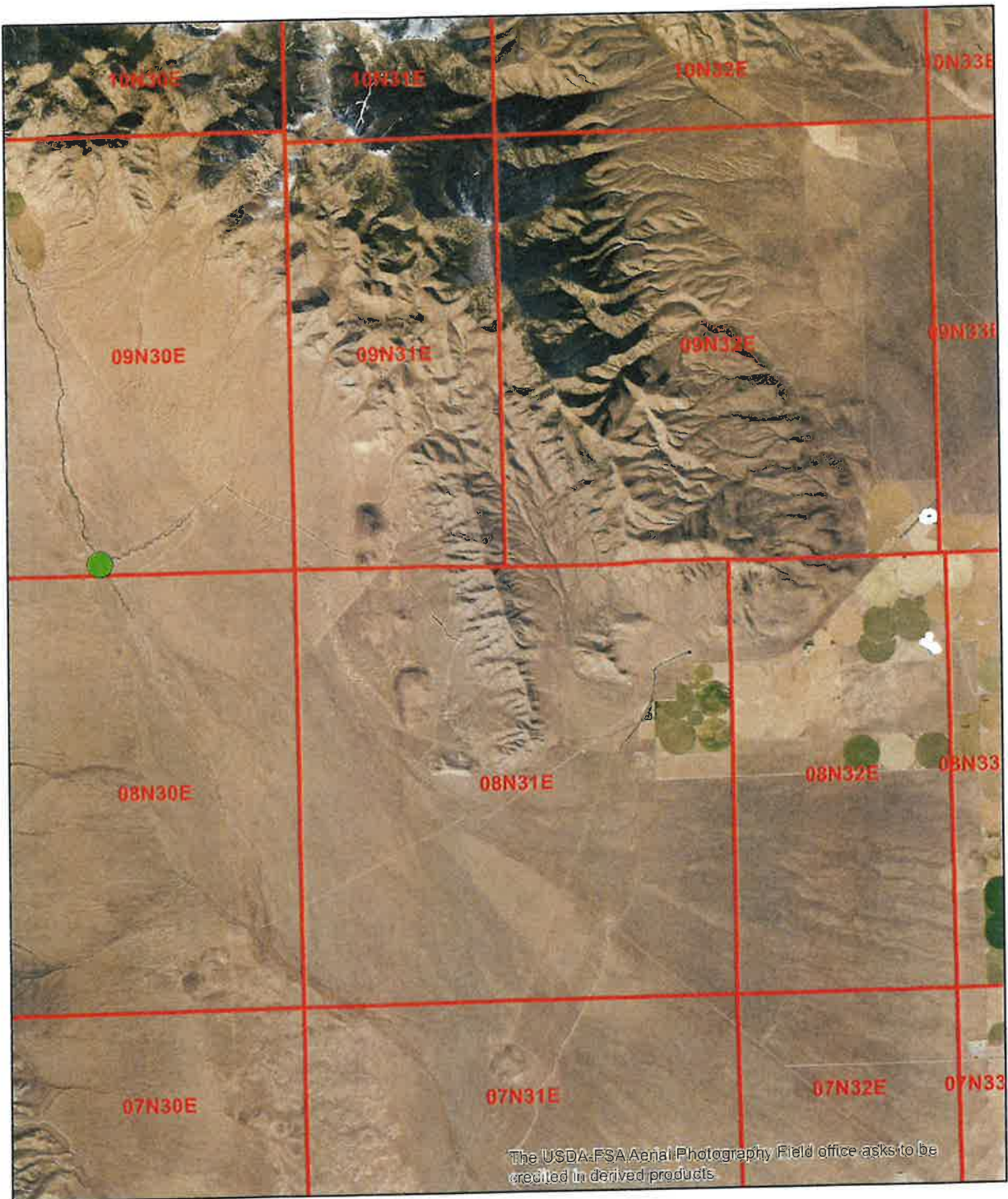
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ None

I. AUTHENTICATION Cooper Fritz - Water Resource Agent, Senior

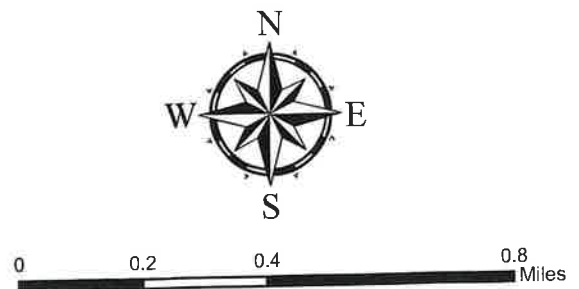
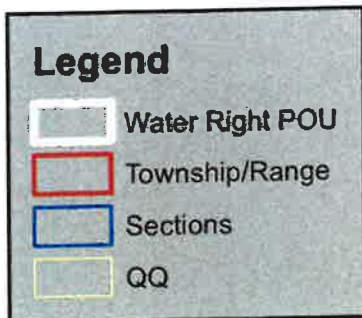
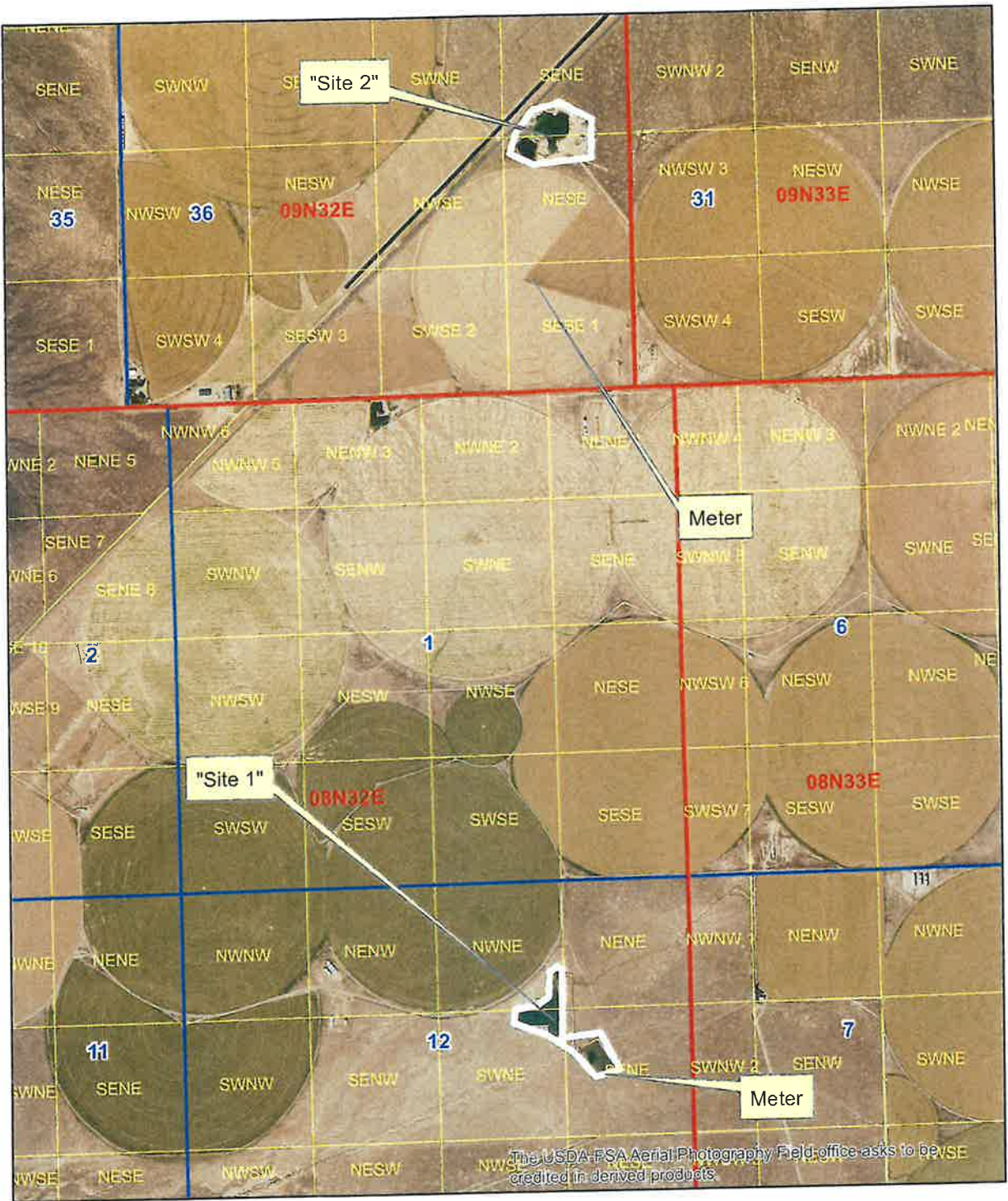
Field Examiner's Name _____ Date _____

Reviewer James Cefalo Date 1/19/22

32-13348 Place of Use and Point of Diversion at Licensing

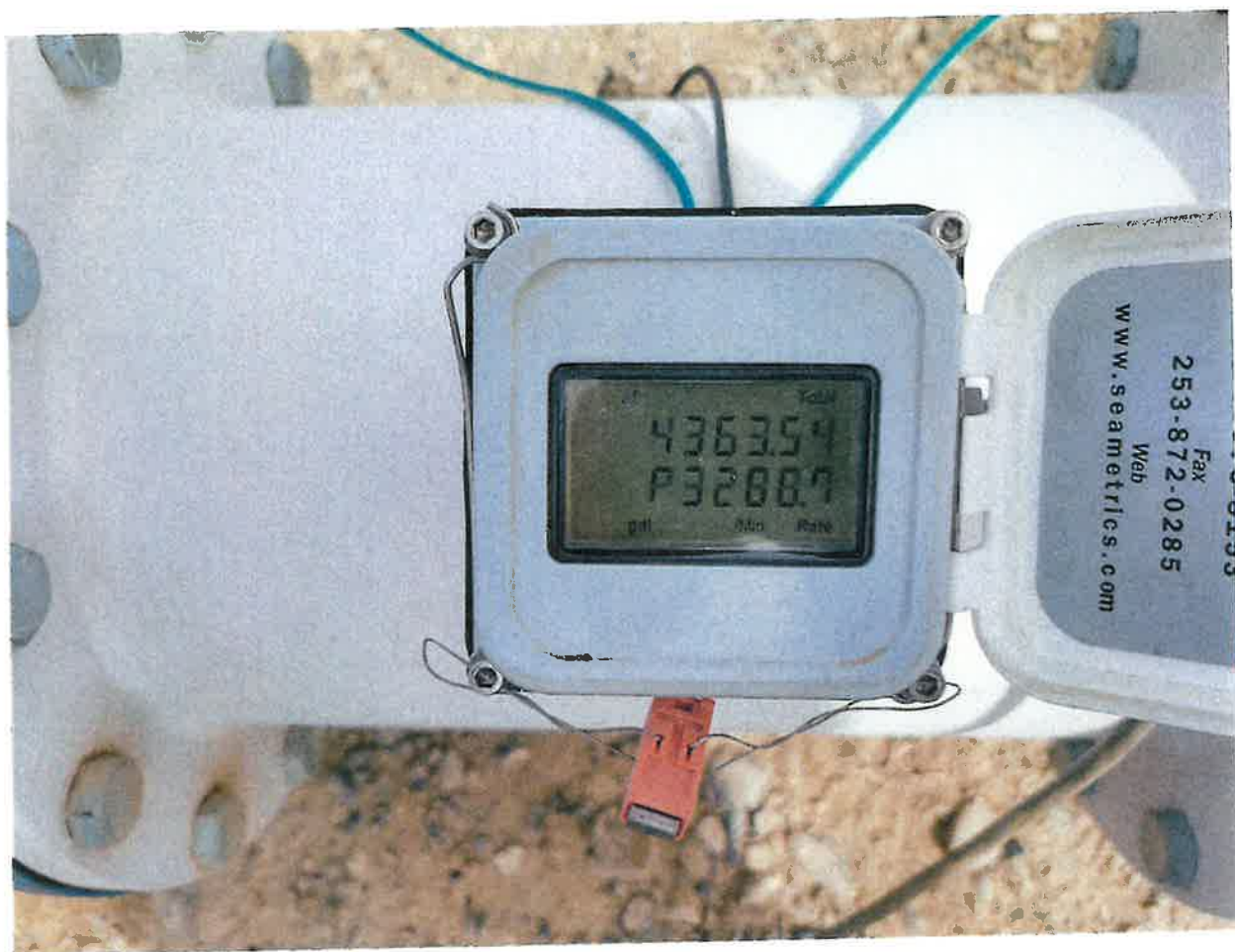


32-13348 Place of Use at Licensing

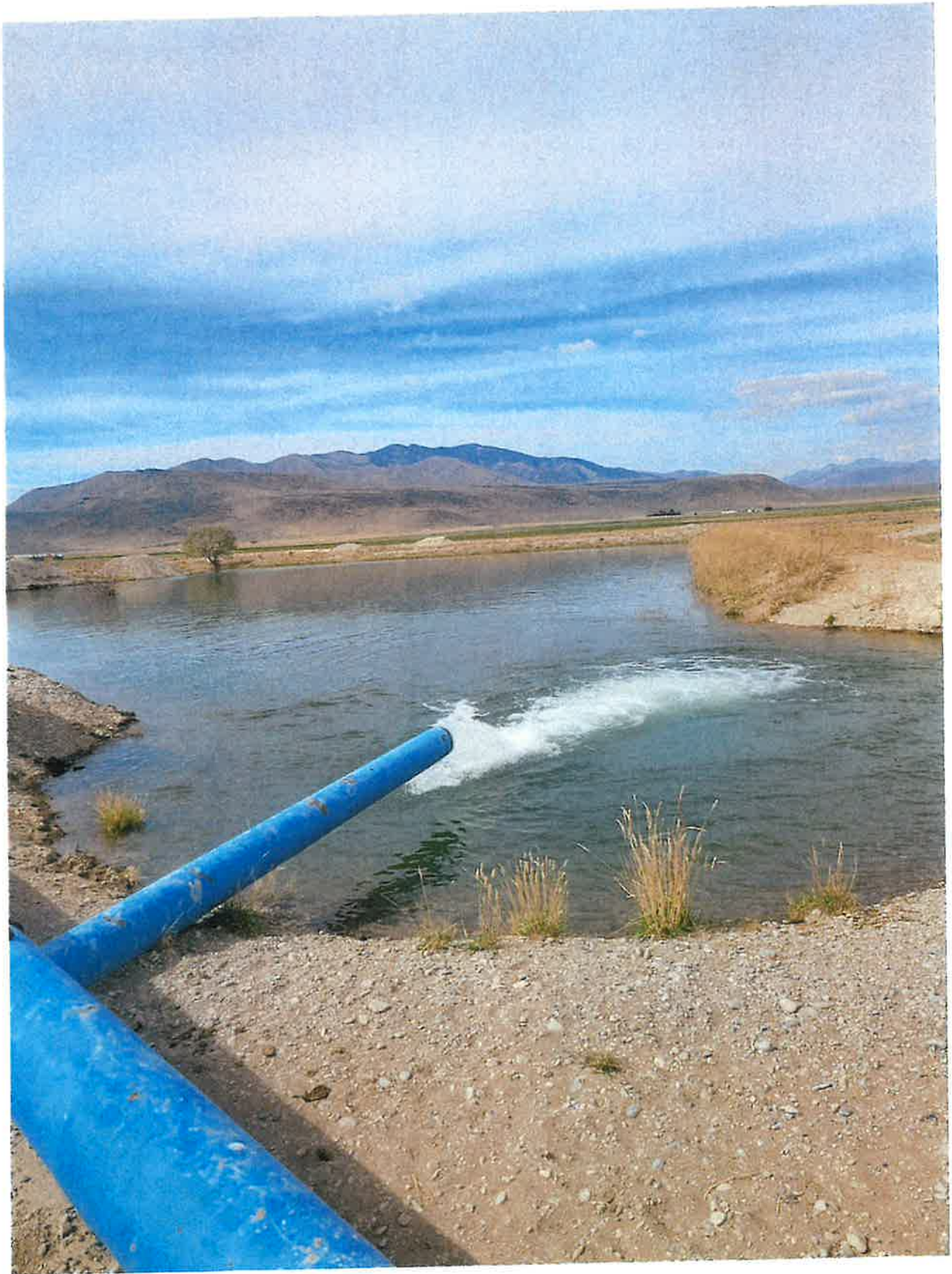




Point of Diversion



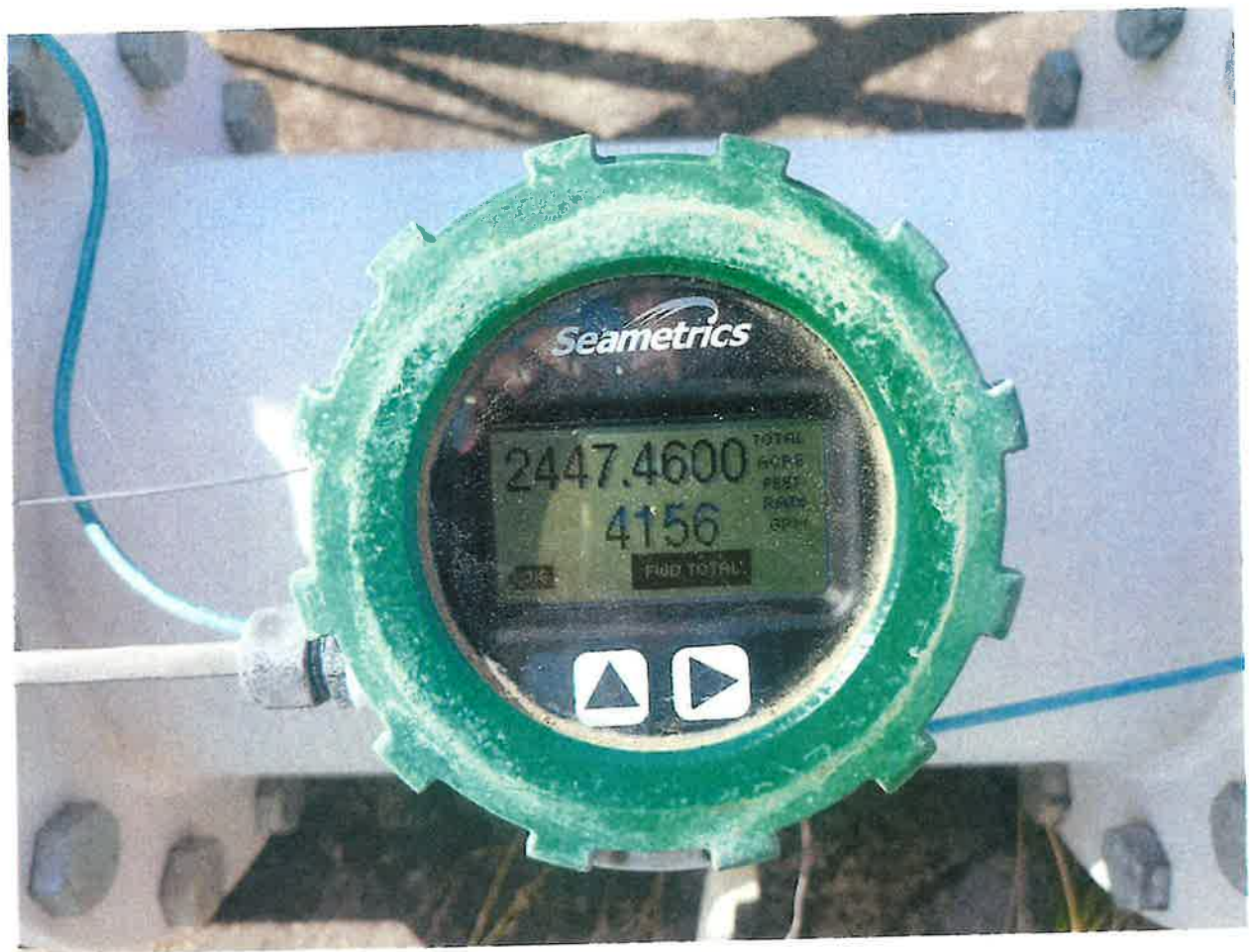
"Site One" Meter



11 Site One"



"Site Two"



"Site Two" meter

The Reno Ditch Company LLC

1032 Grandview Drive
Ivins, Utah 84738

May 2, 2017

State of Idaho
Department of Water Resources
Attn: Michele Edl
900 N Skyline Drive, Suite A
Idaho Falls, Idaho 83402-1718

Re: 2016 Daily Recharge Values – Permit No. 32-13348

Ms. Edl,

Enclosed please find our report detailing both the daily quantity and the cumulative season total of water diverted for ground water recharge at the two recharge sites set forth in Permit No. 32-13348. The Place of Diversion as listed in the Permit is located on Birch Creek in the SE1/4 SW1/4, Sec. 34, Twp 09N, Rge 30E, B.M, Clark County, Idaho. The maximum diversion rate listed in the Permit is 10 cfs. There have been no physical changes to the diverting works during the reporting period.

Sincerely



Ted S. Sorenson
Manager

cc Lane Newman
James Palmer

The Reno Ditch Company - 2016 Recharge Totals

	Newman Site		Birch Farms Site		Both Sites	
Date	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet
3/31/2016	0	0	0	0	0	0
4/1/2016	7	7	0	0	7	7
4/2/2016	7	14	0	0	7	14
4/3/2016	7	21	0	0	7	21
4/4/2016	7	28	0	0	7	28
4/5/2016	7	35	0	0	7	35
4/6/2016	7	42	0	0	7	42
4/7/2016	7	49	0	0	7	49
4/8/2016	7	56	0	0	7	56
4/9/2016	7	63	0	0	7	63
4/10/2016	7	70	0	0	7	70
4/11/2016	4	74	0	0	4	74
4/12/2016	5	79	0	0	5	79
4/13/2016	5	84	0	0	5	84
4/14/2016	4	88	0	0	4	88
4/15/2016	4	92	0	0	4	92
4/16/2016	5	97	0	0	5	97
4/17/2016	6	103	0	0	6	103
4/18/2016	7	110	0	0	7	110
4/19/2016	5	115	0	0	5	115
4/20/2016	4	119	0	0	4	119
4/21/2016	6	125	0	0	6	125
4/22/2016	4	129	0	0	4	129
4/23/2016	7	136	0	0	7	136
4/24/2016	5	141	0	0	5	141
4/25/2016	5	146	0	0	5	146
4/26/2016	7	153	0	0	7	153
4/27/2016	4	157	0	0	4	157
4/28/2016	6	163	0	0	6	163
4/29/2016	4	167	0	0	4	167
4/30/2016	7	174	0	0	7	174
5/1/2016	5	179	0	0	5	179
5/2/2016	5	184	5	5	10	189
5/3/2016	7	191	4	9	11	200
5/4/2016	5	196	5	14	10	210
5/5/2016	5	201	3	17	8	218
5/6/2016	7	208	3	20	10	228
5/7/2016	5	213	4	24	9	237
5/8/2016	4	217	4	28	8	245
5/9/2016	7	224	5	33	12	257
5/10/2016	4	228	4	37	8	265
5/11/2016	4	232	4	41	8	273
5/12/2016	5	237	4	45	9	282
5/13/2016	5	242	5	50	10	292
5/14/2016	4	246	0	50	4	296
5/15/2016	0	246	0	50	0	296
5/16/2016	0	246	0	50	0	296
5/17/2016	0	246	0	50	0	296
5/18/2016	0	246	0	50	0	296
5/19/2016	0	246	0	50	0	296
5/20/2016	0	246	0	50	0	296
5/21/2016	0	246	0	50	0	296
5/22/2016	0	246	0	50	0	296
5/23/2016	0	246	0	50	0	296

	Newman Site		Birch Farms Site		Both Sites	
Date	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet
5/24/2016	0	246	0	50	0	296
5/25/2016	0	246	0	50	0	296
5/26/2016	0	246	0	50	0	296
5/27/2016	0	246	0	50	0	296
5/28/2016	0	246	0	50	0	296
5/29/2016	0	246	0	50	0	296
5/30/2016	0	246	0	50	0	296
5/31/2016	0	246	0	50	0	296
6/1/2016	0	246	0	50	0	296
6/2/2016	0	246	0	50	0	296
6/3/2016	0	246	0	50	0	296
6/4/2016	0	246	0	50	0	296
6/5/2016	0	246	0	50	0	296
6/6/2016	0	246	0	50	0	296
6/7/2016	0	246	0	50	0	296
6/8/2016	0	246	0	50	0	296
6/9/2016	0	246	0	50	0	296
6/10/2016	0	246	0	50	0	296
6/11/2016	4	250	0	50	4	300
6/12/2016	5	255	0	50	5	305
6/13/2016	4	259	0	50	4	309
6/14/2016	7	266	0	50	7	316
6/15/2016	6	272	0	50	6	322
6/16/2016	7	279	0	50	7	329
6/17/2016	5	284	0	50	5	334
6/18/2016	6	290	0	50	6	340
6/19/2016	7	297	0	50	7	347
6/20/2016	7	304	0	50	7	354
6/21/2016	6	310	0	50	6	360
6/22/2016	7	317	0	50	7	367
6/23/2016	5	322	0	50	5	372
6/24/2016	5	327	0	50	5	377
6/25/2016	6	333	0	50	6	383
6/26/2016	7	340	0	50	7	390
6/27/2016	7	347	0	50	7	397
6/28/2016	6	353	0	50	6	403
6/29/2016	6	359	0	50	6	409
6/30/2016	7	366	0	50	7	416
7/1/2016	7	373	0	50	7	423
7/2/2016	5	378	0	50	5	428
7/3/2016	5	383	0	50	5	433
7/4/2016	5	388	0	50	5	438
7/5/2016	5	393	0	50	5	443
7/6/2016	6	399	0	50	6	449
7/7/2016	5	404	0	50	5	454
7/8/2016	5	409	0	50	5	459
7/9/2016	5	414	0	50	5	464
7/10/2016	7	421	0	50	7	471
7/11/2016	0	421	0	50	0	471
7/12/2016	0	421	0	50	0	471
7/13/2016	0	421	0	50	0	471
7/14/2016	0	421	0	50	0	471
7/15/2016	0	421	0	50	0	471
7/16/2016	0	421	0	50	0	471
7/17/2016	0	421	0	50	0	471
7/18/2016	0	421	0	50	0	471

	Newman Site	Newman Site	Birch Farms Site	Birch Farms Site	Both Sites	Both Sites
Date	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet
7/19/2016	0	421	0	50	0	471
7/20/2016	0	421	0	50	0	471
7/21/2016	0	421	0	50	0	471
7/22/2016	0	421	0	50	0	471
7/23/2016	0	421	0	50	0	471
7/24/2016	0	421	0	50	0	471
7/25/2016	0	421	0	50	0	471
7/26/2016	4	425	0	50	4	475
7/27/2016	5	430	0	50	5	480
7/28/2016	5	435	0	50	5	485
7/29/2016	5	440	0	50	5	490
7/30/2016	4	444	0	50	4	494
7/31/2016	6	450	0	50	6	500
8/1/2016	4	454	0	50	4	504
8/2/2016	4	458	0	50	4	508
8/3/2016	4	462	0	50	4	512
8/4/2016	5	467	6	56	11	523
8/5/2016	6	473	5	61	11	534
8/6/2016	4	477	4	65	8	542
8/7/2016	4	481	3	68	7	549
8/8/2016	4	485	3	71	7	556
8/9/2016	4	489	5	76	9	565
8/10/2016	3	492	4	80	7	572
8/11/2016	3	495	4	84	7	579
8/12/2016	5	500	5	89	10	589
8/13/2016	4	504	3	92	7	596
8/14/2016	5	509	4	96	9	605
8/15/2016	7	516	5	101	12	617
8/16/2016	5	521	4	105	9	626
8/17/2016	4	525	3	108	7	633
8/18/2016	5	530	4	112	9	642
8/19/2016	4	534	5	117	9	651
8/20/2016	6	540	4	121	10	661
8/21/2016	6	546	6	127	12	673
8/22/2016	5	551	4	131	9	682
8/23/2016	7	558	5	136	12	694
8/24/2016	5	563	5	141	10	704
8/25/2016	7	570	3	144	10	714
8/26/2016	4	574	4	148	8	722
8/27/2016	5	579	6	154	11	733
8/28/2016	6	585	5	159	11	744
8/29/2016	5	590	4	163	9	753
8/30/2016	4	594	5	168	9	762
8/31/2016	6	600	5	173	11	773
9/1/2016	5	605	4	177	9	782
9/2/2016	4	609	6	183	10	792
9/3/2016	6	615	4	187	10	802
9/4/2016	7	622	5	192	12	814
9/5/2016	5	627	8	200	13	827
9/6/2016	6	633	6	206	12	839
9/7/2016	4	637	7	213	11	850
9/8/2016	5	642	5	218	10	860
9/9/2016	6	648	6	224	12	872
9/10/2016	4	652	5	229	9	881
9/11/2016	5	657	4	233	9	890
9/12/2016	4	661	6	239	10	900

	Newman Site	Newman Site	Birch Farms Site	Birch Farms Site	Both Sites	Both Sites
Date	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet	Daily Value Acre/Feet	Cumulative Acre/Feet
9/13/2016	6	667	5	244	11	911
9/14/2016	4	671	5	249	9	920
9/15/2016	5	676	4	253	9	929
9/16/2016	6	682	5	258	11	940
9/17/2016	5	687	5	263	10	950
9/18/2016	4	691	4	267	8	958
9/19/2016	5	696	5	272	10	968
9/20/2016	6	702	6	278	12	980
9/21/2016	4	706	5	283	9	989
9/22/2016	4	710	7	290	11	1000
9/23/2016	4	714	5	295	9	1009
9/24/2016	5	719	7	302	12	1021
9/25/2016	3	722	5	307	8	1029
9/26/2016	4	726	6	313	10	1039
9/27/2016	4	730	5	318	9	1048
9/28/2016	4	734	7	325	11	1059
9/29/2016	5	739	6	331	11	1070
9/30/2016	5	744	5	336	10	1080
10/1/2016	4	748	6	342	10	1090
10/2/2016	4	752	0	342	4	1094
10/3/2016	5	757	0	342	5	1099
10/4/2016	4	761	0	342	4	1103
10/5/2016	4	765	0	342	4	1107
10/6/2016	5	770	0	342	5	1112
10/7/2016	4	774	0	342	4	1116
10/8/2016	4	778	0	342	4	1120
10/9/2016	4	782	0	342	4	1124
10/10/2016	6	788	0	342	6	1130
10/11/2016	4	792	0	342	4	1134
10/12/2016	4	796	0	342	4	1138
10/13/2016	5	801	0	342	5	1143
10/14/2016	7	808	0	342	7	1150
10/15/2016	7	815	0	342	7	1157
10/16/2016	6	821	0	342	6	1163
10/17/2016	7	828	0	342	7	1170
10/18/2016	7	835	0	342	7	1177
10/19/2016	5	840	0	342	5	1182
10/20/2016	4	844	0	342	4	1186
10/21/2016	5	849	0	342	5	1191