

State of Idaho
Department of Water Resources
Permit to Appropriate Water
No. 43-13881

Priority: February 25, 2020

Maximum Diversion Rate: 25.00 CFS

This is to certify that

ADTD FARMS LLC
2500 OVERLAND AVE
BURLEY ID 83318-2941

has applied for a permit to appropriate water from:

Source : RAFT RIVER

Tributary: SNAKE RIVER

and a permit is APPROVED for development of water as follows:

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>
GROUND WATER RECHARGE	01/01 to 12/31	25.00 CFS

Location of Point(s) of Diversion

RAFT RIVER SW¼ SE¼, Sec. 18, Twp 11S, Rge 27E, B.M. CASSIA County

Place of Use: GROUND WATER RECHARGE

Twp	Rng	Sec	NE				NW				SW				SE				No QQ	Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE		
11S	27E	18			X											X	X			

Conditions of Approval

1. Proof of application of water to beneficial use shall be submitted on or before **November 01, 2025**.
2. Subject to all prior water rights.
3. Use of water under this right may be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No. 43A.
4. Prior to diversion of water under this right, the right holder shall install and maintain a measuring device and lockable controlling works of a type acceptable to the Department as part of the diverting works.
5. Return flow discharged to a subsurface system must be authorized by a separate injection well permit.
6. Use of water under this right shall be non-consumptive.
7. Prior to the diversion and use of water under this approval, the right holder shall comply with applicable water quality monitoring and/or permitting requirements administered by the Department of Environmental Quality or the Department of Agriculture.
8. Pursuant to Idaho Code § 42-234(4), to ensure that other water rights are not injured by the operations of the recharge project authorized by this right, the Director has authority to approve,

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- disapprove, or require alterations in the methods employed to achieve ground water recharge.
9. Pursuant to Idaho Code § 42-234(3), the Director may reduce the amount of water that may be diverted for recharge purposes under this right even though there is sufficient water to supply the entire amount authorized for appropriation under this right.
 10. This approval does not constitute approval by the Idaho Water Resource Board, which may also be required pursuant to Idaho Code § 42-1737.
 11. The diversion of water under this right shall not exceed ten thousand (10,000) acre-feet on an average annual basis without first obtaining approval from the Idaho Water Resource Board pursuant to Section 42-1737(a), Idaho Code.
 12. The right holder shall record the daily quantity of water diverted for ground water recharge and shall report the diversion data for the prior calendar year to the Department by February 1 each year. Reporting shall occur in the manner specified by the Department, consistent with Idaho Code § 42-701. To facilitate this reporting requirement, the right holder shall install and maintain a totalizing measuring device approved by the Department at each point of diversion and at each point where water is delivered from the conveyance system into a designated recharge site.
 13. This right is not an authorization for the described recharge effort to be used as mitigation or credit for any other purpose. The sufficiency of the recharge effort authorized under this right for mitigation or credit for some other purpose may be determined by the Department upon proper submission of a mitigation plan pursuant to the Department's Rules of Conjunctive Management of Surface and Ground Water Resources, a mitigation plan to offset depletion in association with a water right application, a Management Program pursuant to Idaho Code Idaho Code § 42-1416B, or any other proposal to utilize credit for the recharge effort.

This permit is issued pursuant to the provisions of Idaho Code § 42-204.

Signed this 27th day of October, 20 20.



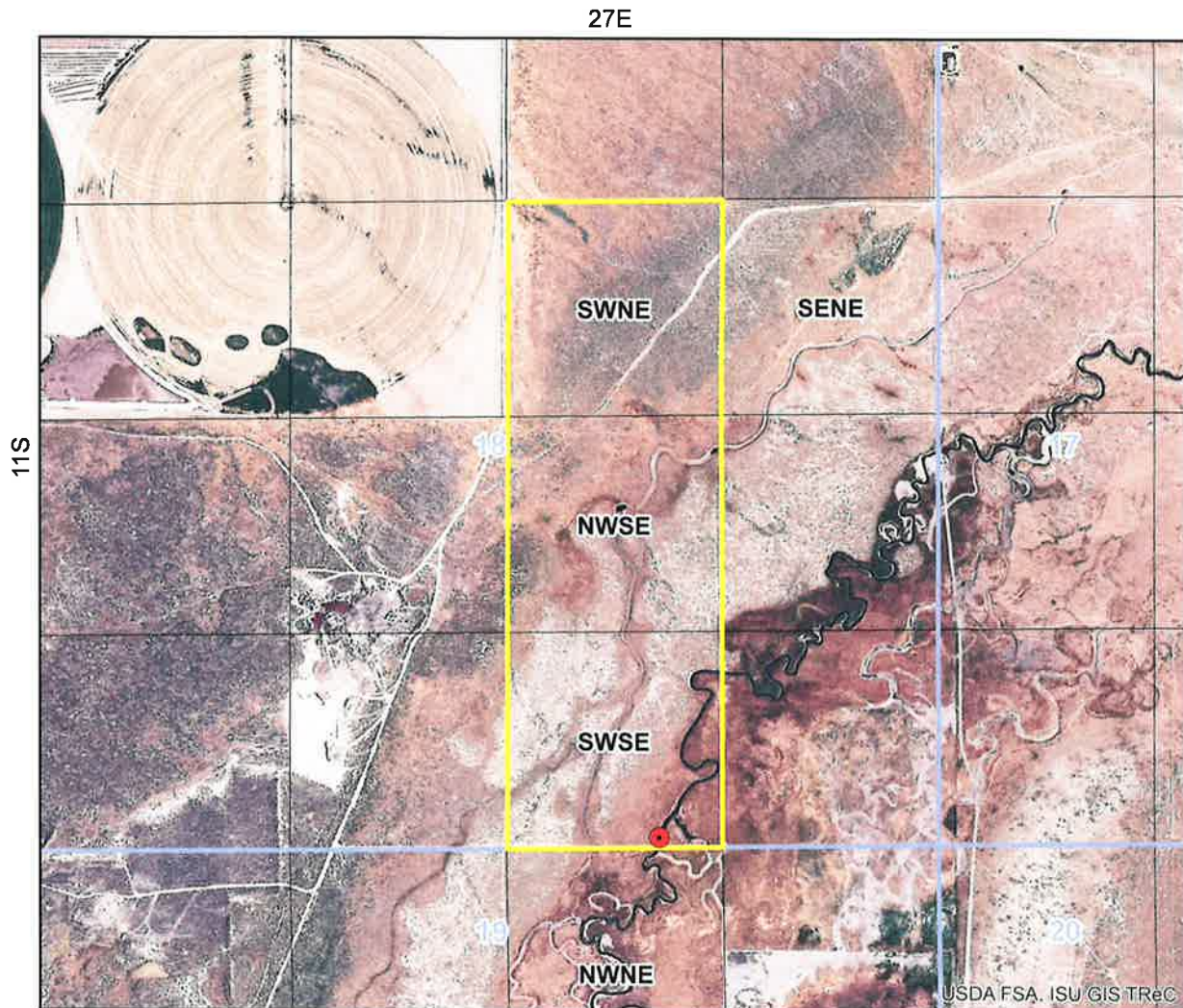
COREY SKINNER
Southern Regional Manager

State of Idaho
Department of Water Resources

Attachment to Permit to Appropriate Water

43-13881

This map depicts the GROUND WATER RECHARGE place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Quarter Quarters

0 0.125 0.25 0.5 Miles





State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region • 650 ADDISON AVE W STE 500 • TWIN FALLS, ID 83301-5858

Phone: (208)736-3033 • Fax: (208)736-3037 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

October 28, 2020

ADTD FARMS LLC
2500 OVERLAND AVE
BURLEY ID 83318-2941

RE: Permit No. 43-13881

Permit Approval Notice

Dear Permit Holder(s):

The Department of Water Resources ("Department") has issued the enclosed permit authorizing you to establish a new water right. Please be sure to thoroughly review all the conditions of approval listed on your permit. The conditions include requirements that you must accomplish, such as timely submittal of proof of beneficial use or installation of a measuring device, as well as information about how your water use may be administered, such as regulation by a watermaster in a water district. Failure to comply with the conditions of approval may result in your permit lapsing or being canceled.

The permit is a PRELIMINARY ORDER issued pursuant to Rule 730 of the Department's Rules of Procedure (IDAPA 37.01.01.730). It can and will become a final order without further action by the Department unless a party petitions for reconsideration, files exceptions, or requests a hearing as described in the enclosed information sheet.

The final step in the water right process is issuance of a water right license. To receive a water right license, you must divert and use water to the full extent intended and submit a *Statement of Completion for Submitting Proof of Beneficial Use* by the date shown in condition no. 1 of your permit. The Department will send you a *Proof Due Notice* approximately 60 days prior to the date listed in condition no. 1 of your permit.

You may also require approvals from other Department programs, such as Ground Water Protection, Safety of Dams, or Stream Channel Protection, to accomplish your proposed development. Please call or visit any Department office or see the Department's website at idwr.idaho.gov for more information about these programs.

Please be advised that Idaho Code § 42-248, requires you or the owner of this water permit to maintain current ownership and address records on file with the Department. Forms to file an assignment of permit and/or a change in the address of the permit owner are available from any Department office or at the Department's website at www.idwr.idaho.gov.

If you have any questions concerning the enclosed information, please contact me at (208) 736-3033.

Sincerely,

A handwritten signature in blue ink, appearing to read "Corey Skinner". The signature is fluid and cursive, with the first name "Corey" being more prominent than the last name "Skinner".

Corey Skinner
Southern Regional Manager

Enclosure(s)

CERTIFICATE OF SERVICE

I hereby certify that on October 28, 2020, I served a true and correct copy of Permit to Appropriate Water No. 43-13881 by U.S. Mail, postage prepaid, to the following:

ADTD FARMS LLC (Current Owner)
2500 OVERLAND AVE
BURLEY ID 83318-2941

J U B ENGINEERS INC (Representative)
HATTIE ZOBOTT
115 NORTHSTAR AVE
TWIN FALLS ID 83301



Denise Maline
Administrative Assistant 1

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was **not** held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "**Preliminary Order**" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

OCT 20 2020

DEPT. OF WATER RESOURCES
SOUTHERN REGION**Bitzenburg, James**

From: Hattie Zobott <hzobott@jub.com>
Sent: Tuesday, October 20, 2020 10:46 AM
To: Skinner, Corey
Cc: tgidagoldfarms@gmail.com; Bitzenburg, James
Subject: ADTD Farms LLC, Application for Permit, Rule 40 Supporting Information
Attachments: 2132_001.pdf; 20201020_Rule40Memo_sealed_final.pdf

Dear Corey,

Attached is the supporting information for "Rule 40" requested by IDWR to process the Application for Permit for ADTD Farms LLC. I have cc'd Jim and ADTD Farms, LLC.

Please feel free to contact me with any questions.

Sincerely,

HATTIE ZOBOTT, P.E.
Professional Engineer, Project Engineer

J-U-B ENGINEERS, Inc.
115 Northstar Ave. Twin Falls, ID 83301
e hzobott@jub.com w www.jub.com
p 208 733 2414 ex 6020 c 208 954 4954

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J-U-B ENGINEERS, INC.

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SOUTHERN REGION

J-U-B COMPANIES



THE
LANGDON
GROUP



GATEWAY
MAPPING
INC.

TRANSMITTAL LETTER

To: Mr. Corey Skinner, P.E.
Southern Region Office
Idaho Department of Water
Resources
650 Addison Avenue West
Suite 500
Twin Falls, ID 83301-5858

Date: October 20, 2020
Project: ADTD Farms, LLC Application for
Permit
Project No.: 60-17-048

We are shipping you:

Attached via E-mail , the following items:

COPIES	DATE OR NO.	DESCRIPTION
1	10-20-2020	Rule 40 Supporting Information

These items are transmitted as checked below:

☐ For Approval ☒ As Requested ☐ Returned for Corrections
☐ For Your Information ☐ For Review & Comment ☐ _____

REMARKS:

Please feel free to contact me with any questions.

Cc:

Jim Bitzenburg, IDWR
ADTD Farms, LLC (Electronic Only)

Signed: _____

Hattie Zobott, P.E.



J-U-B ENGINEERS, INC.

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SOUTHERN REGION

J-U-B COMPANIES



THE
LANGDON
GROUP



GATEWAY
MAPPING
INC.

MEMORANDUM

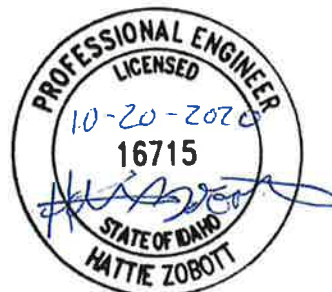
DATE: October 20, 2020

TO: Mr. Corey Skinner P.E.

CC: ADTD Farms, LLC

FROM: Hattie Zobott, P.E.

SUBJECT: Rule 40 Evaluation, ADTD Farms, LLC Application for Permit for Groundwater Recharge



Additional Information Requirements for Water Appropriation:

The groundwater recharge application for permit exceeds the 5.0 cfs limit set out in IDAPA 37.03.08.40.05 (Rule 40) for unappropriated water, and is therefore required to provide information described by 42-203A(5).

The Rule 40 references are in italics with supporting information related to the application for permit following with correlating numbering.

IDAPA 37.03.08.40.05.c

...Information relative to the effect on existing water rights, Section 42-203A(5)(a), Idaho Code, shall be submitted as follows:

- i. *For applications appropriating springs or surface streams with five (5) or fewer existing users, either the identification number, or the name and address of the user, and the location of the point of diversion and nature of use for each existing water right shall be submitted.*
- ii. *For applications appropriating groundwater, a plat shall be submitted locating the proposed well relative to all existing wells and springs and permitted wells within a one-half mile radius of the proposed well.*
- iii. *Information shall be submitted concerning any design, construction, or operation techniques which will be employed to eliminate or reduce the impact on other water rights.*

Supporting Information for 37.03.08.40.05.c

- i. The Raft River surface water source has more than five users. See **Attachment 1** (Water Right and Water Right Permit PODs for Raft River downstream of ADTD Application for Permit).
- ii. Item 42-203A(5)(a)ii is not applicable. The application is for groundwater recharge, not groundwater.
- iii. The diversion weir will be a Constant Head Orifice Weir design with accurate measurement to within 2% of actual. Careful measurement and reporting will reduce impact on other water

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rights downstream. Applicant will coordinate with downstream water users to eliminate impacts.

37.03.08.40.05.d

Information relative to sufficiency of water supply, Section 42-203A(5)(b), Idaho Code, shall be submitted as follows:

- i) Information shall be submitted on the water requirements of the proposed project, including, but not limited to, the required diversion rate during the peak use period and the average use period, the volume to be diverted per year, the period of year that water is required, and the volume of water that will be consumptively used per year.*
- ii) Information shall be submitted on the quantity of water available from the source applied for, including, but not limited to, information concerning flow rates for surface water sources available during periods of peak and average project water demand, information concerning the properties of the aquifers that water is to be taken from for groundwater sources, and information on other sources of supply that may be used to supplement the applied for water source.*

Supporting Information for 37.03.08.40.05.d

- i. The proposed maximum diversion rate is 25.0 cfs as indicated in the permit application and is representative of the required diversion rate during the peak use period. The average use period was estimated by the Idaho Department of Environmental Quality to be 40 days at the maximum diversion of 25 cfs for an average annual diversion of approximately 1,980 afa. The proposed beneficial use of groundwater recharge is non-consumptive and therefore no water is consumed.
- ii. The available stream gage information is upstream of the location. The analysis completed by Amanda Laib of Idaho Department of Environmental Quality indicates that yearly annual flow is estimated to be 200 cfs (See **Attachment 2**—IDEQ Estimated Load Reduction).

37.03.08.40.05.e

Information relative to good faith, delay, or speculative purposes of the applicant, Section 42-203A(5)(c), Idaho Code, shall be submitted as follows:

- i) The applicant shall submit copies of deeds, leases, easements or applications for rights-of-way from federal or state agencies documenting a possessory interest in the lands necessary for all project facilities and the place of use or if such interest can be obtained by eminent domain proceedings the applicant must show that appropriate actions are being taken to obtain the interest. Applicants for hydropower uses shall also submit information required to demonstrate compliance with Sections 42-205 and 42-206, Idaho Code.*
- ii) The applicant shall submit copies of applications for other needed permits, licenses and approvals, and must keep the department apprised of the status of the applications and any subsequent approvals or denials.*

Supporting Information for 37.03.08.40.05.e

- i) Not Applicable—land and point of diversion owned by applicant.
- ii) Applicant will submit copies of permits as needed and developed.

37.03.08.40.05.f

Information Relative to Financial Resources, Section 42-203A(5)(d), Idaho Code, shall be submitted as follows:

- i) *The applicant shall submit a current financial statement certified to show the accuracy of the information contained therein, or a financial commitment letter along with the financial statement of the lender or other evidence to show that it is reasonably probable that financing will be available to appropriate the water and apply it to the beneficial use proposed.*
- ii) *The applicant shall submit plans and specifications along with estimated construction costs for the project works. The plans shall be definite enough to allow for determination of project impacts and implications.*

Supporting Information for 37.03.08.40.05.f

- i) See **Attachment 3**—319 Grant Application, budget and support letter from Applicant.
- ii) See **Attachment 3**—319 Grant Application, budget and project description.

37.03.08.40.05.g

Information Relative to Conflict with the Local Public Interest, Section 42-203A(5)(e), Idaho Code, shall be submitted as follows:

The applicant shall seek comment and shall submit all letters of comment on the effects of the construction and operation of the proposed project from the governing body of the city and/or county and tribal reservation within which the point of diversion and place of use are located, the Idaho Department of Fish and Game, the Idaho Department of Environmental Quality, and any irrigation district or canal company within which the proposed project is located and from other entities as determined by the Director.

Supporting Information for 37.03.08.40.05.g

The applicants proposed groundwater recharge project is part of a comprehensive aquifer stabilization and flood control project sponsored by the Raft River Flood District No. 15. The project was selected by the USDA-NRCS for participation in the Watershed Program under the authority of Public Law 83-566. The first phase of the project is the USDA-NRCS Watershed Plan Environmental Assessment (Watershed Plan-EA). The final Watershed Plan-EA will be completed in June of 2022.

Public Scoping for the Watershed Plan-EA closed on October 16, 2020 with no comments regarding negative impacts or risks related to groundwater recharge within the project area. Idaho Fish and Game, State Historic Preservation Office, Idaho Department of Lands, the Bureau of Reclamation, United States Fish and Wildlife Service, NRCS, and other agencies have been consulted, had opportunity for comment, and did not submit any comments. The public and agency and will be reviewing the project impacts within the Watershed Plan-EA.

In addition to the Watershed Plan-EA, the groundwater recharge project described in the application for permit was submitted by the Raft River Flood District for funding using a 319 Non-Point Source Pollution Sub-grant. The project was presented at the Upper Snake River Basin Advisory Group (BAG) Meeting for funding using the sub-grant, and it was ranked the number 2 project by the BAG. As indicated by the 319 application for funding ranking and the letters of support in **Attachment 3**, the Raft River Groundwater District, Raft River Flood District, and DEQ support the project.

Attachment 1

Rule 40 Evaluation

ADTD Farms, LLC Application for Permit for Groundwater Recharge

Water Right, Water Right Permits on Raft River

Type	Water Right/ Permit No.	Basis	Priority Date	Div. Rate (cfs)	Source	Water Use	Owner
WR	43-46	Decreed	4/30/1884	2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-47A	Decreed	4/1/1872	2	RAFT RIVER	IRRIGATION	SPENCER BROTHERS
WR	43-47B	Decreed	4/1/1872	1.82	RAFT RIVER	IRRIGATION	ROSCOE & JOYCE WARD FAMILY TRUST
WR	43-82A	Decreed	6/27/1914	1.4	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-89	Decreed	3/1/1884	2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-90	Decreed	3/1/1886	1.6	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-111	Decreed	6/30/1887	1.2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-120	Decreed	11/20/1913	1.6	RAFT RIVER	COOLING	US GEOTHERMAL INC
WR	43-127A	Decreed	4/1/1894	2	RAFT RIVER	IRRIGATION	PARKE, KARLA A; PARKE, ROBERT
WR	43-128A	Decreed	4/30/1884	4.67	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-129	Decreed	12/5/1913	0.66	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-130	Decreed	3/8/1915	0.46	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-131	Decreed	9/27/1915	2.4	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-161	Decreed	5/30/1882	1.2	RAFT RIVER	IRRIGATION	WOODBURY, CAROL J; WOODBURY, LYLE D
WR	43-165A	Decreed	4/1/1871	0.36	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-165C	Decreed	4/1/1871	0.61	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-168A	Decreed	4/1/1879	1.07	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-168C	Decreed	4/1/1879	1.83	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-169C	Decreed	6/1/1879	1.44	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-169E	Decreed	6/1/1879	1.37	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-170A	Decreed	4/1/1881	0.27	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-170C	Decreed	4/1/1881	0.28	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-170D	Decreed	4/1/1881	0.15	RAFT RIVER	IRRIGATION	PARKE, KARLA A; PARKE, ROBERT
WR	43-171A	Decreed	3/1/1883	1.51	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-171B	Decreed	3/1/1883	4.73	RAFT RIVER	IRRIGATION, STOCKWATER	HARPER, D JAY; HARPER, JEANETTE W
WR	43-171C	Decreed	3/1/1883	2	RAFT RIVER	IRRIGATION	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-172A	Decreed	4/1/1879	0.36	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-172C	Decreed	4/1/1879	0.61	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-173A	Decreed	4/1/1882	0.72	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-173C	Decreed	4/1/1882	0.86	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-173D	Decreed	4/1/1882	0.61	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-174	Decreed	4/30/1884	3.2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-177A	Decreed	5/24/1909	4.22	RAFT RIVER	IRRIGATION	JONES, GLENN L; JONES, HAZEL R; JONES, LORIN G
WR	43-177B	Decreed	5/24/1909	2.52	RAFT RIVER	IRRIGATION	J7 LLC
WR	43-177C	Decreed	5/24/1909	0.96	RAFT RIVER	IRRIGATION	SMITH, LUKE R; SMITH, VIRGINIA K
WR	43-177D	Decreed	5/24/1909	4.38	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-177E	Decreed	5/24/1909	2.79	RAFT RIVER	IRRIGATION	WHITAKER, JENNIFER L; WHITAKER, TRAVIS L
WR	43-177F	Decreed	5/24/1909	1.4	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-177G	Decreed	5/24/1909	0.6	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-178A	Decreed	12/12/1911	3.2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-178D	Decreed	12/12/1911	3.2	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-178E	Decreed	12/12/1911	7.46	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-178F	Decreed	12/12/1911	4	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-178G	Decreed	12/12/1911	2	RAFT RIVER	IRRIGATION	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-178J	Decreed	12/12/1911	4.7	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-184	Decreed	5/1/1882	1.6	RAFT RIVER	IRRIGATION	WILLIAM D JONES & SONS
WR	43-185	Decreed	4/30/1883	1.6	RAFT RIVER	IRRIGATION	WILLIAM D JONES & SONS
WR	43-188	Decreed	3/1/1882	1.4	RAFT RIVER	IRRIGATION	TRACY, KEVIN W; TRACY, TRUDY
WR	43-189	Decreed	3/1/1882	1.4	RAFT RIVER	IRRIGATION	KNUDSEN, COLEBEE; KNUDSEN, MONICA
WR	43-191A	Decreed	4/1/1910	2	RAFT RIVER	IRRIGATION	J7 LLC
WR	43-191B	Decreed	4/1/1910	1.2	RAFT RIVER	IRRIGATION	J7 LLC
WR	43-196	Decreed	4/1/1886	0.39	RAFT RIVER	IRRIGATION	G W FINANCE CO LLC
WR	43-201	Decreed	4/1/1872	2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-202	Decreed	4/1/1879	2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-203	Decreed	3/1/1884	2.8	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-204	Decreed	10/10/1912	3.6	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-207	Decreed	4/1/1909	1.3	RAFT RIVER	IRRIGATION	BIGHORN MORTGAGE CORP

WR	43-222B	Decreed	6/20/1887	0.86	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-254A	Decreed	4/1/1898	1.62	RAFT RIVER	IRRIGATION	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-254B	Decreed	4/1/1898	0.78	RAFT RIVER	IRRIGATION	BRANCH, NOLAN K
WR	43-257	Decreed	4/1/1910	9.6	RAFT RIVER	IRRIGATION	J R SIMPLOT CO
WR	43-280	Decreed	4/1/1879	4.8	RAFT RIVER	IRRIGATION	ROSCOE & JOYCE WARD FAMILY TRUST
WR	43-287	Decreed	4/1/1893	1.6	RAFT RIVER	IRRIGATION	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-307	Decreed	4/1/1894	0.9	RAFT RIVER	IRRIGATION	HICKEN, DORRIS M; HICKEN, ROGER W
						IRRIGATION,	
WR	43-315	Decreed	11/30/1879	1.9	RAFT RIVER	STOCKWATER	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-324	Decreed	9/16/1909	4.8	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-327	Decreed	4/30/1882	2.5	RAFT RIVER	IRRIGATION	SPENCER BROTHERS
WR	43-337	Decreed	4/30/1882	0.8	RAFT RIVER	IRRIGATION	DURFEE, E BRUCE
WR	43-444	Decreed	4/1/1871	0.214	RAFT RIVER	STOCKWATER	WARR, CHARLES H
WR	43-2058	Decreed	7/29/1911	0.8	RAFT RIVER	IRRIGATION	DURFEE, KENT
WR	43-2084	Decreed	10/19/1910	1.5	RAFT RIVER	IRRIGATION	WEBB BROTHERS LAND & LIVESTOCK LLC
WR	43-2104	Decreed	12/1/1911	0.8	RAFT RIVER	IRRIGATION	BARNES, JODY
WR	43-2167A	Decreed	5/25/1914	0.8	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-2167B	Decreed	5/25/1914	0.8	RAFT RIVER	COOLING	US GEOTHERMAL INC
WR	43-2180	Decreed	12/17/1914	1.6	RAFT RIVER	IRRIGATION	WEBB BROTHERS LAND & LIVESTOCK LLC
WR	43-2214	Decreed	3/28/1917	0.12	RAFT RIVER	IRRIGATION	DURFEE, KENT
WR	43-2223A	Decreed	7/16/1917	1.1	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-2224A	Decreed	8/9/1917	0.6	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-2229	Decreed	1/17/1918	1	RAFT RIVER	IRRIGATION	J7 LLC
WR	43-2249	Decreed	9/15/1924	4	RAFT RIVER	IRRIGATION	TRACY, KEVIN W; TRACY, TRUDY
WR	43-2264	Decreed	8/23/1930	1.7	RAFT RIVER	IRRIGATION	WEBB BROTHERS LAND & LIVESTOCK LLC
WR	43-2290	Decreed	5/27/1943	0.8	RAFT RIVER	IRRIGATION	TRACY, KEVIN W; TRACY, TRUDY
WR	43-2292	Decreed	1/21/1944	3.5	RAFT RIVER	IRRIGATION	AGUA CALIENTE LLC
WR	43-2358	Decreed	12/5/1950	2.8	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-4097	Decreed	10/11/1930	4	RAFT RIVER	STOCKWATER	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-4212	Decreed	4/1/1894	2	RAFT RIVER	IRRIGATION	WICKEL, ARDEN EUGENE; WICKEL, WYNELL F
WR	43-10045	Decreed	4/1/1906	3.8	RAFT RIVER	IRRIGATION	EAST VALLEY CATTLE LLC
WR	43-10046	Decreed	4/1/1909	2.1	RAFT RIVER	IRRIGATION	EAST VALLEY CATTLE LLC
WR	43-10086	Decreed	4/1/1871	1.19	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-10363	Decreed	10/19/1928	1.4	RAFT RIVER	IRRIGATION	HICKEN, DORRIS M; HICKEN, ROGER W
WR	43-10380	Decreed	4/1/1882	0.53	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-10384	Decreed	6/1/1879	0.04	RAFT RIVER	STOCKWATER	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-10388	Decreed	6/1/1879	1.87	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-10421	Decreed	4/29/1883	2.84	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-10422	Decreed	4/1/1886	1.07	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-10423	Decreed	1/25/1908	2.25	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-10434	Decreed	12/12/1911	4.8	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-10554	Decreed	4/1/1883	3.4	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-10608	Decreed	12/12/1911	3.2	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-10627	Decreed	6/1/1879	0.34	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
						IRRIGATION,	
WR	43-10649	Decreed	8/13/1943	2	RAFT RIVER	STOCKWATER	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-10650	Decreed	7/1/1884	3.2	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-10789	Decreed	4/1/1871	1.41	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
						IRRIGATION,	
WR	43-10790	Decreed	8/27/1881	4.22	RAFT RIVER	STOCKWATER	NEWCOMB, LONNA; NEWCOMB, MARK T
WR	43-10799	Decreed	4/1/1886	3.84	RAFT RIVER	IRRIGATION	HICKEN, DORRIS M; HICKEN, ROGER W
WR	43-10820	Decreed	4/1/1872	4.8	RAFT RIVER	IRRIGATION	ROSCOE & JOYCE WARD FAMILY TRUST
WR	43-11099	Decreed	6/28/1934	0.02	RAFT RIVER	STOCKWATER	UNITED STATES OF AMERICA ACTING THROUGH
WR	43-11220	Decreed	1/1/1882	0.02	RAFT RIVER	STOCKWATER	WILLIAM D JONES & SONS
WR	43-11222	Decreed	1/1/1959	0.02	RAFT RIVER	STOCKWATER	JONES, DAVID BRENT
WR	43-11224	Decreed	1/1/1872	0.02	RAFT RIVER	STOCKWATER	ROSCOE & JOYCE WARD FAMILY TRUST
WR	43-11251	Decreed	4/1/1871	0.174	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11252	Decreed	4/1/1871	0.03	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11253	Decreed	4/1/1871	0.3	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11254	Decreed	6/1/1879	0.46	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11255	Decreed	6/1/1879	0.15	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11256	Decreed	6/1/1879	0.87	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11269	Decreed	4/1/1871	0.06	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11270	Decreed	4/1/1871	0.06	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-11283	Decreed	4/1/1871	0.17	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-11284	Decreed	4/1/1871	0.5	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-11285	Decreed	4/1/1871	0.24	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-11286	Decreed	4/1/1881	0.46	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-11287	Decreed	4/1/1881	0.67	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC

WR	43-11291	Decreed	4/1/1871	0.1	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-11292	Decreed	4/1/1871	0.1	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-12926	Decreed	4/1/1871	5.47	RAFT RIVER	IRRIGATION	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-12927	Decreed	4/1/1871	2.52	RAFT RIVER	IRRIGATION	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-12928	Decreed	4/1/1871	1.06	RAFT RIVER	IRRIGATION, STOCKWATER	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-12929	Decreed	4/1/1871	0.23	RAFT RIVER	IRRIGATION	BRANCH, NOLAN K
WR	43-12930	Decreed	4/1/1871	0.11	RAFT RIVER	IRRIGATION	BRANCH, NOLAN K
WR	43-12931	Decreed	4/1/1871	0.04	RAFT RIVER	IRRIGATION, STOCKWATER	BRANCH, NOLAN K
WR	43-12939	Decreed	12/12/1911	0.05	RAFT RIVER	IRRIGATION	SEARS, JADE O; SEARS, MALIESA B
WR	43-12940	Decreed	12/12/1911	0.2	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-12941	Decreed	12/12/1911	0.54	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-12942	Decreed	3/1/1883	0.12	RAFT RIVER	IRRIGATION	SEARS, JADE O; SEARS, MALIESA B
WR	43-12943	Decreed	3/1/1883	0.43	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-12944	Decreed	3/1/1883	1.14	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-12946	Decreed	4/1/1970	1	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-12954	Decreed	9/14/1925	0.18	RAFT RIVER	IRRIGATION	TRACY, KEVIN W; TRACY, TRUDY
WR	43-12958	Decreed	4/1/1881	0.34	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12959	Decreed	4/1/1882	0.91	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12961	Decreed	4/1/1871	0.66	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-12962	Decreed	4/1/1871	0.09	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-12963	Decreed	4/1/1871	1.08	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-12964	Decreed	4/1/1879	1.74	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-12965	Decreed	4/1/1879	0.37	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-12976	Decreed	4/1/1879	0.91	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12977	Decreed	6/1/1879	1.78	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12978	Decreed	4/1/1871	0.348	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12979	Decreed	4/1/1871	1	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12980	Decreed	4/1/1871	0.047	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12981	Decreed	4/1/1871	0.174	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12982	Decreed	4/1/1871	0.3	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12983	Decreed	4/1/1871	0.224	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12984	Decreed	4/1/1879	0.46	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12985	Decreed	4/1/1879	0.15	RAFT RIVER	IRRIGATION	WHITAKER, CLETA; WHITAKER, DENTON
WR	43-12996	Decreed	4/1/1871	0.348	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-12997	Decreed	4/1/1871	0.6	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-12998	Decreed	4/1/1871	0.048	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-12999	Decreed	4/1/1879	0.46	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13000	Decreed	4/1/1879	0.3	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13001	Decreed	6/1/1879	0.61	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13002	Decreed	4/1/1881	0.11	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13003	Decreed	12/12/1911	2.8	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13008	Decreed	4/1/1871	0.348	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13009	Decreed	4/1/1871	1	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13010	Decreed	4/1/1879	0.91	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13011	Decreed	6/1/1879	2.01	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13012	Decreed	4/1/1881	0.57	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13013	Decreed	4/1/1879	0.3	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13014	Decreed	4/1/1882	1.52	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13015	Decreed	4/1/1871	0.048	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13017	Decreed	12/12/1911	5.1	RAFT RIVER	IRRIGATION	RED ROCK FARMS LLC
WR	43-13043	Decreed	4/30/1882	0.4	RAFT RIVER	IRRIGATION	DURFEE, E BRUCE
WR	43-13044	Decreed	4/30/1882	0.4	RAFT RIVER	IRRIGATION	DURFEE, KENT
WR	43-13045	Decreed	9/23/1909	1.4	RAFT RIVER	IRRIGATION	DURFEE, E BRUCE
WR	43-13046	Decreed	9/23/1909	0.8	RAFT RIVER	IRRIGATION	DURFEE, KENT
WR	43-13059	Decreed	12/12/1911	0.09	RAFT RIVER	IRRIGATION	DARRINGTON, GEORGE K
WR	43-13060	Decreed	12/12/1911	2.4	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13075	Decreed	3/15/1976	1.75	RAFT RIVER	IRRIGATION	BRANCH, LUANN S; BRANCH, NOLAN K
WR	43-13076	Decreed	3/15/1978	3.66	RAFT RIVER	IRRIGATION	PINNACLE GREAT PLAINS OPERATING CO LLC
WR	43-13078	Decreed	4/1/1871	0.035	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13079	Decreed	4/1/1871	0.001	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13080	Decreed	4/1/1871	0.035	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13081	Decreed	4/1/1871	0.001	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13082	Decreed	4/30/1871	0.22	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13083	Decreed	4/30/1871	0.01	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13084	Decreed	4/1/1871	0.74	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13085	Decreed	4/1/1871	0.02	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13086	Decreed	4/1/1879	0.67	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K

WR	43-13087	Decreed	4/1/1879	0.02	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13088	Decreed	6/1/1879	0.88	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13089	Decreed	6/1/1879	0.03	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13090	Decreed	4/1/1881	0.165	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13091	Decreed	4/1/1881	0.005	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13092	Decreed	4/1/1879	0.22	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13093	Decreed	4/1/1879	0.01	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13094	Decreed	4/1/1882	0.37	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13095	Decreed	4/1/1882	0.01	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13096	Decreed	12/12/1911	2.8	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13097	Decreed	12/12/1911	0.08	RAFT RIVER	IRRIGATION	HARPER, ALAN J; HARPER, BEVERLY K
WR	43-13549	Decreed	4/1/1896	0.28	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-13550	Decreed	4/1/1896	0.12	RAFT RIVER	IRRIGATION	SPRING FARMS GENERAL PARTNERSHIP
WR	43-13567	Decreed	4/30/1883	0.46	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-13568	Decreed	4/30/1883	0.21	RAFT RIVER	IRRIGATION	SPRING FARMS GENERAL PARTNERSHIP
WR	43-13569	Decreed	9/11/1883	0.69	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-13570	Decreed	9/11/1883	0.31	RAFT RIVER	IRRIGATION	SPRING FARMS GENERAL PARTNERSHIP
WR	43-13571	Decreed	5/26/1909	3.25	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-13572	Decreed	5/26/1909	4.63	RAFT RIVER	IRRIGATION	SPRING FARMS GENERAL PARTNERSHIP
WR	43-13702	Decreed	4/29/1883	7.26	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-13703	Decreed	4/1/1886	2.73	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-13704	Decreed	1/25/1908	5.75	RAFT RIVER	IRRIGATION	GW FINANCE CO LLC
WR	43-13749	Decreed	4/1/1871	0.02	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13750	Decreed	4/1/1879	0.07	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13751	Decreed	6/1/1879	0.09	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13752	Decreed	4/1/1881	0.02	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13753	Decreed	3/1/1883	0.09	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13754	Decreed	4/1/1879	0.02	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13755	Decreed	4/1/1882	0.04	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13756	Decreed	12/12/1911	0.3	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13760	Decreed	4/1/1871	0.07	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13761	Decreed	4/1/1871	0.003	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13762	Decreed	4/1/1871	0.003	RAFT RIVER	IRRIGATION	HARPER, D JAY; HARPER, JEANETTE W
WR	43-13839	Decreed	5/24/1909	0.24	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13840	Decreed	4/1/1881	0.02	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13841	Decreed	4/1/1882	0.05	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13842	Decreed	4/1/1871	0.04	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13843	Decreed	4/1/1871	0.01	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13844	Decreed	4/1/1871	0.06	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13845	Decreed	4/1/1879	0.09	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13846	Decreed	4/1/1879	0.02	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13847	Decreed	6/1/1879	0.1	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13848	Decreed	12/12/1911	0.41	RAFT RIVER	IRRIGATION	WARR, JASON; WARR, WENDEE
WR	43-13869	Decreed	1/17/1918	0.6	RAFT RIVER	IRRIGATION	BLACK PINE LAND LLC
WR Permit	43-13731		2/14/2013	25	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13732		2/14/2013	25	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13733		2/14/2013	25	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13734		2/14/2013	25	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13787		1/12/2017	25	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13788		1/12/2017	25	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13789		1/12/2017	25	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13849		8/19/2019	35	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT

WR Permit	43-13850		8/22/2019	35	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT
WR Permit	43-13851		8/22/2019	35	RAFT RIVER	GROUND WATER RECHARGE	RAFT RIVER GROUND WATER DISTRICT



Attachment 2

Amanda Laib, Technical Services
Idaho Department of Environmental Quality
1410 N. Hilton, Boise, ID, 83706
(208)373-0133; fax (208) 373-0143

Raft River Aquifer Water Quality and Recharge Project #2 Load Reduction Estimates

The Raft River Flood District is administering a project to improve water quality in the Raft River subbasin by diverting sediment laden water into an infiltration basin that will also function to recharge the declining Raft River aquifer.

During high flow and flood events, 44 cfs of water will be diverted from the river channel into a diversion channel which will remove some of the sediment load before the water is delivered to a flood detention and recharge basin where it will percolate into the aquifer. Additionally, 475 ft of Raft River banks downstream of the main project site have been stabilized with grass plantings.

For the streambank rehabilitation component of this project, pollutant load reductions will occur as the volume of previously vulnerable bank material will be prevented from entering the river during high flow events. The direct volume calculation used by DEQ (2013) and NRCS (1983) is a suitable method for estimating the sediment load reduction from bank stabilization. This method evaluates percentage of erosive streambank, develops lateral recession rates based on local data or literature values, and provides equations to calculate the quantity of sediment delivered by the percent erosive riverbanks. This scenario considers that the banks have a severe lateral recession rate of 1 foot per year. With time allowed for reclamation, the streambanks could become minimally erosive, with a lateral recession rate of 0.01 feet per year. Silty loam soil texture is assumed for this load reduction calculation (NRCS 2020):

$$E = \frac{A_E \times R_{LR} \times \Delta_B}{2000 \text{ lb/ton}}$$

where:

$$E = \text{bank erosion on stream reach } \left(\frac{\text{ton}}{\text{yr}} \right)$$

$$A_E = \text{eroding area } (\text{ft}^2)$$

$$R_{LR} = \text{lateral recession rate } \left(\frac{\text{ft}}{\text{yr}} \right)$$

$$\Delta_B = \text{bulk density of bank material } \left(\frac{\text{lb}}{\text{ft}^3} \right)$$

For the recharge diversion component of this project, the use of pour point monitoring data and flow estimations is a suitable method to determine sediment and nutrient reductions that would result from water diversion and recharge detention (Montana DEQ). Idaho DEQ conducted water quality sampling in the Raft River Subbasin in 2017, which was a historically high flow year. During the spring and early summer, when flows were greatest, the combined average total suspended solids (TSS) concentration at the two nearest downstream sampling locations to the proposed diversion was 136 mg/L. Using this value of a best approximation for TSS concentration during high flow and flood events, and the diversion rate of 44 cfs proposed for the project, the daily sediment load removed during such events is 32295 lb/day.

However, the Raft River is an intermittent waterbody due to flow diversions for irrigation purposes and often flows only in response to snowmelt and storm related runoff events. If the upstream Raft River Flood District Project is implemented, an additional 25 cfs will be diverted, making a combined flow diversion of



approximately 70 cfs. Using the nearest available flow data (USGS 2020) to examine flow exceedance probability, flows likely exceed 70 cfs only about 5% of the time. Following this assumption, daily mean flows could exceed 44 cfs at the project location on approximately 20 days out of the year. Applying the daily sediment load reduction to 20 days annually results in 645906 lbs, or 323 tons per year.

According to the Section 319 Watersheds Training Manual (Michigan DEQ 1999), nutrients adsorb to silt particles in sediment at an approximate average rate of 1.6 pounds of per ton for phosphorus and 3.2 pounds per ton for nitrogen. Consequently, reducing sediment load also reduces nutrient loads. Sediment and nutrient load reduction estimates for recharge diversion determined using pour point calculations are listed in Table 1 below.

Table 1. Estimated pollutant load reduction for the Raft River Recharge Diversion Project.

Project Component	Calculation/Estimation Method	Annual Load Reduction Estimate
High flow diversion and detention in infiltration basin	Pour Point Monitoring Data Calculation	<ul style="list-style-type: none">• Sediment = 323 ton• Nitrogen = 1033 lb• Phosphorus = 517 lb
Streambank Stabilization	Direct Volume Calculation	<ul style="list-style-type: none">• Sediment = 161 ton• Nitrogen = 516 lb• Phosphorus = 258 lb
Total Annual Load Reductions		<ul style="list-style-type: none">• Sediment = 484 ton• Nitrogen = 1549 lb• Phosphorus = 774 lb



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References

- DEQ. 2013. *Standard operating procedure for streambank erosion inventory to measure instream sediment load in wadeable streams*. Idaho Department of Environmental Quality Boise, ID.
- Natural Resources Conservation Service. 1983. *Erosion and sediment yield*. In: proceedings from the channel evaluation workshop. Ventura, CA: 54 p.
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- USGS. *National Water Information System*. Streamgages 13078000 (1985-present) and 13079901 (1985-1989). Accessed: July 16th, 2020. Available at: <https://maps.waterdata.usgs.gov/mapper/index.html>

Raft River Aquifer Water Quality and Recharge Project #2 Load Reduction Estimates

Pour Point Calculation

Average TSS (mg/L)	136
Q - Diversion flow WR (cfs)	44
Daily Load (lb/day)	32295
Approximate Number of Days Q > 70 cfs	20
Annual TSS Load Reduction (lbs/yr)	645906

Annual TSS Load Reduction (ton/yr)	323
Annual Nitrogen Load Reduction (lbs/yr)	1033
Annual Phosphorus Load Reduction (lbs/yr)	517

Direct Volume Calculation

Eroding Streambank Length	950	Soil Texture	Silt loam
Eroding Height	4	Correction Factor	1
Bulk Density	85		

Annual Load Reduction

Annual Sediment Load Reduction (ton/yr)	161
Annual Nitrogen Load Reduction (lbs/yr)	516
Annual Phosphorus Load Reduction (lbs/yr)	258

Total Annual Load Reductions

Annual Sediment Load Reduction (ton/yr)	484
Annual Nitrogen Load Reduction (lbs/yr)	1549
Annual Phosphorus Load Reduction (lbs/yr)	774

Calculating daily loads:

$$\text{Daily Load} \left(\frac{\text{lb}}{\text{day}} \right) = \text{WQ Data} \left(\frac{\text{mg}}{\text{L}} \right) \times \text{Flow} \left(\frac{\text{ft}^3}{\text{sec}} \right) \times \text{conversion factor}^*$$

$$^* \text{Conversion Factor} = \frac{28.31 \text{ L}}{\text{ft}^3} \times \frac{2.205 \times 10^{-6} \text{ lb}}{\text{mg}} \times \frac{86400 \text{ sec}}{\text{day}} = 5.4$$

DEQ Monitoring Data

DEQ 2017 WQ Sampling	Lat	42.51373
Raft River (AU 002_05)	Long	113.26743
Date TSS (mg/L)		
6/6/2017		76
6/13/2017		44
6/20/2017		71
6/26/2017		86

DEQ 2017 WQ Sampling	Lat	42.59736
Raft River (AU 001_05)	Long	113.23836
Date TSS (mg/L)		
3/28/2017		170
4/4/2017		150
4/11/2017		100
4/18/2017		160
4/25/2017		140
5/2/2017		120
5/9/2017		190
5/16/2017		140
5/22/2017		320



July 15, 2020

State of Idaho
Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

Re: IDEQ §319 Nonpoint Source Program – Funding Assistance Request for Raft River

Dear Ms. Julia Achabal,

Raft River Flood District #15 (Flood District), Malta, Idaho requests Idaho Department of Environmental Quality (IDEQ) assistance under the §319 Nonpoint Source Program to build a diversion outlet structure on the Raft River to divert high sediment flood flows to a detention and recharge basin. In detaining and diverting flood flows, the proposed project will support the region's TMDL effort to decrease the sediment load in the Raft River during high flow events while providing flood protection to nearby communities and infrastructure and much needed groundwater stabilization to the Raft River aquifer.

As the project sponsor, and in conjunction with the IDEQ, we are committed to undertake the responsibilities for the project to include planning, design and construction. We have partnered with the Raft River Ground Water District (RRGWD) for a recharge permit at the proposed project location during typical high-water events and with ADTD Farms, LLC for an easement as the owner of the land where the diversion is proposed.

We are prepared to move forward with this project should we be successful in obtaining funding. As the Sponsor, we are requesting \$149,200 in IDEQ §319 Nonpoint Source Program funds to plan, design and construct the flood detention basin diversion. ADTD Farms, LLC will bring a \$105,290 match of the Flood District's 42 percent match, the remainder of which the Flood District will provide as a hard match of \$4,000. Together with its partners on the proposed project, the Sponsor will bring \$109,290 in matching funds. The project can be accomplished within a one-year timeline. Once funded, we intend to immediately begin the planning and 30 percent design, with final design and construction to follow as funding is made available.

Sara Jane Ward will be the contact person for the Flood District in handling the administrative aspects of this project. Please feel free to contact her at 208-431-5560 or sjward4242@gmail.com for any additional information that you might need in assessing our request.

Sincerely,

Lucas Spratling, Chairman
Raft River Flood District #15

July 14 2020

Board Members:

Lucas Spratling | Cordell Sheridan | Rob Cottle | Carl Boden | Brian Kincade | Sara Jane Ward
District 5 Chairman District 1 Vice Chairman District 3 District 2 Treasurer District 4 Office Secretary



§319 Nonpoint Source Management Program
FY2021

Raft River Flood District No. 15

Raft River Subbasin and Aquifer Water Quality and Recharge Project
Cassia County, Idaho

Project Sponsor

Raft River Flood District No. 15
PO Box 142
Malta, Idaho 83342
(208) 431-5560

Project Field Officer

Todd Gerratt
(208) 312-8008

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ATTACHMENTS

A	ELECTRONIC APPLICATION
B	VICINITY MAP
C	PROJECT MAP
D	LETTERS OF SUPPORT

RAFT RIVER SUBBASIN AND AQUIFER WATER QUALITY AND RECHARGE PROJECT

PROJECT SPONSOR

Organization Name	Raft River Flood District No. 15
Organization Phone	(208) 431-5560
Organization Email	sjward4242@gmail.com
Organization Address	PO Box 142, Malta, ID 83342
Project Field Officer	Todd Gerratt
Field Officer Phone	(208) 312-8008

PROJECT LOCATION

Primary county	Cassia County
Other affected counties	N/A
Hydrologic Unit Code (HUC)	17040210
Latitude and longitude	Latitude: 42°27'38.28"N Longitude: 113°20'29.53"W

Project Location Description

The Raft River Subbasin of south-central Idaho is a watershed in the Columbia River Basin. Of its total 967,150 acres, 81.6 percent of the watershed is within Idaho. The Raft River is a tributary of the Snake River with headwaters beginning in Northern Utah. The river joins the Snake River in Cassia County, Idaho just above Lake Walcott and downstream from the American Falls Reservoir. The Raft River aquifer is a historical contributor to the Eastern Snake Plain aquifer water balance; however, underflow is believed to be a fraction of historic levels [See **Attachment B – Vicinity Map**].

The proposed diversion is located on parcel RP11S27E181200, southwest of East 400 S and south of 2350 E in Malta, Idaho. The property legal description is SWSE and NWSE QQ of Section 18 Township 11S Range 27E. The parcel landowner, ADTD Farms, LLC, is a partner on the project and has agreed to provide an easement to the Flood District for operation and maintenance of the structure if the project is funded and construction moves forward [See **Attachment D – Letters of Support**].

TMDL EFFORT

Is this project part of a TMDL effort? If yes, please provide the name of the TMDL in the box below and describe how the project fits into the overall load reduction effort.

TMDL Name / Description:

In July 2004, the EPA approved the Raft River Subbasin Assessment and Total Maximum Load. The report identified the following pollutants in the segment from Malta to the Snake River: excessive sediments, excessive nutrients, total ammonia, dissolved oxygen, E. coli, flow alteration or diversions, and salinity. Due to a lack of water during the study, water quality information could not be gathered from the lower reaches of the Raft River. The section does remain on the §303(d) list for flow alteration.

Designated beneficial uses for the Raft River, specifically the segment from Cassia Creek to Heglar Canyon Creek, include cold water aquatic life, salmonid spawning and primary contact recreation (IDAPA 58.01.02.250).

The proposed flood flow and sediment control project will detain and divert flood flows and decrease the sediment load in the Raft River during annual flow events. Once diverted, the collected flood flow will percolate into the Raft River aquifer through the highly pervious gravel layer of the floodplain. Sediment will be trapped in the bottom of the pond and removed during annual maintenance. The expected annual diversions will be diverted under a recharge water right that allows up to 25 cfs of flow to be diverted for recharge purposes. The Flood District has additional jurisdiction to make emergency diversions in excess of 25 cfs during flood events that pose a risk to their service area.

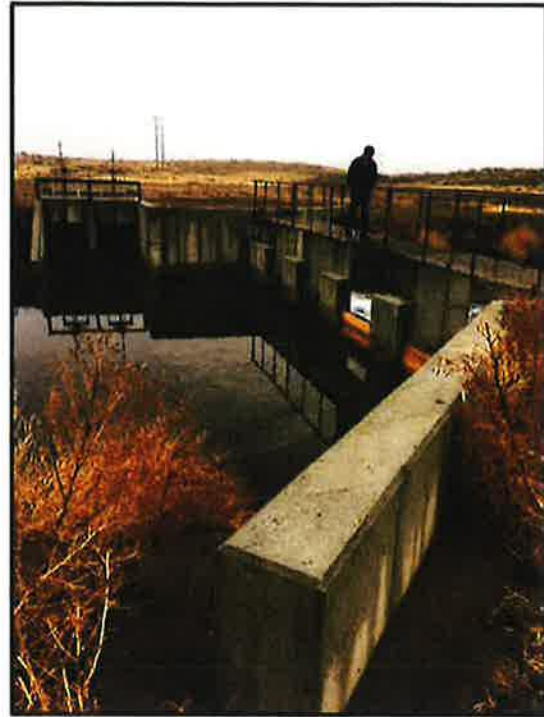


Figure 1: Diversion on Big Wood Canal similar in design to the proposed project. The proposed project will include the Constant Head Orifice Weir outlet structure only; the river-wide diversion will be excluded.

Stream	Segment	Assessment Unit	Pollutant(s)	Implementation Plan
Raft River	Cassia Creek to Heglar Canyon Creek	ID17040210SK002_05 ID17040210SK002_02	Fecal Coliform, Sediment, Temperature	Yes

EXPECTED OUTCOMES & BENEFITS

How is the project expected to reduce a pollutant of concern identified in a TMDL?

Ongoing declines in groundwater levels and heavy anthropomorphic impacts have changed the historically flowing Raft River into a dry river bed that has become largely channelized and detached from the historic river channel and floodplain. The dry conditions are unable to support riparian vegetation needed to stabilize the banks, resulting in a mobile alluvial streambed that easily transports sediment and debris downstream during flood events. The purpose of this project is to detain and divert flood flows and decrease the sediment load in the Raft River during flood events by diverting polluted water into an adjacent, high-infiltration rate sediment basin. High sediment load water, once diverted by the simple outlet and measurement structure, will flow along the diversion channel where it will connect with the historic river channel. As the high sediment load water travels through the channels, the flood flow will be stripped of silts to increase infiltration before it reaches the flood detention and recharge basin [See **Attachment C – Project Map**]. The proposed project entails the construction of the outlet measurement structure, bank stabilization of both the diversion and old river channel, and excavation of the recharge/sedimentation basin. The proposed high-capacity recharge/sediment control basin will have an estimated infiltration rate of 25 cfs of flood flow and a flood detention storage capacity of approximately 90 acre-ft per event.

This project is a collaborative effort of the Raft River Flood District, the Raft River Ground Water District, East Cassia Soil and Water Conservation District, and Ida Gold Farms, LLC / ADTD Farms, LLC. These entities are also partnered with other stakeholders in a larger effort already approved and funded by the NRCS Watershed Program to capture and recharge flood flows, stabilize groundwater levels, and reduce sediment load discharged into the highly sensitive Minidoka Wildlife Refuge. Located at the confluence of the Raft River and Snake River, the wetland is a key nesting location for the Western and Clarke's Grebes. Overtime, sediment has filled in the wetland and is reducing habitat.

Nonpoint sources are the only sources of pollution within the Raft River Subbasin. Preliminary flood flow analysis indicates the bankfull flows, with a 1.5-year return interval, at the Raft River Gauge (USGS 13078000 RAFT RIVER AB ONEMILE CREEK NR MALTA ID) are approximately 200 cfs per year. Bankfull flows transport the extent of the stream sediment load, and, over time, becomes channel forming. The proposed diversion would divert over 10 percent of the bankfull flows, thereby reducing sediment load by 10 percent.



Figure 2: Typical channelized section of the Raft River due to intermittent flows as seen during the Raft River flood in 2017.

In a continuous effort to lessen the impacts of annual flood events in the Raft River Subbasin, the Flood District put forth a similar project for funding through the Idaho Water Resources Board Flood Management Program and works in cooperation with the Raft River Groundwater District to maintain and fund recharge projects.

How is the project going to protect a high-quality waterway?

The Raft River is the major waterway draining the 360 square miles of the Raft River Subbasin and a tributary of the Snake River, the confluence of which falls within Lake Walcott. The Minidoka Wildlife Refuge is a highly sensitive wetland located at the confluence whose beneficial uses include salmonid spawning and cold water aquatic life. Flow alteration of the Raft River for irrigation use has resulted in a channelized and unstable riverbed. The proposed flood detention basin diversion is adjacent to the current Raft River channel and in a prime location for flood control, flood detention, and sediment retention as one of the last sections before the Raft River enters a channelized section with higher density farming and industry.

How will the outcome benefit aquatic communities, recreation, wildlife habitat and populations, pasture lands, civic matter, etc.?

The Raft River aquifer is a prolific groundwater source and a historical contributor to the Eastern Snake Plain aquifer water balance; however, underflow is believed to be a fraction of historic levels. The aquifer remains an important groundwater source used for irrigating approximately 80,000 acres of highly productive agricultural land. The Idaho Department of Water Resources (IDWR) designated the Raft River aquifer a Critical Groundwater Area in 1963 in response to USGS documented water level decline and decreased stream flow.

Average annual groundwater level declines exceed 2-ft per year. Decreasing groundwater levels, compounded with the effects of sediment, channelization, irrigation diversions, and low summer flows, have made the Raft River into an intermittent river with a dry, channelized riverbed and little riparian habitat to stabilize the bank. These conditions contribute to the heavy sediment load flood events in the Raft River Valley.



Figure 3: Raft River flood in 2017 over I-86.

In 2017, catastrophic flood waters from the Raft River overtopped I-86 and caused a five-day closure of the interstate. To mitigate flood risk, the Idaho Transportation Department has since raised the section of interstate that crosses the Raft River and replaced the bridge to increase sediment storage capacity at the confluence of the Raft River

and Snake River. Sedimentation is also a risk for the Minidoka Wildlife Refuge and the wetlands within the confluence.

ESTIMATED TOTAL PROJECT FUNDING

Estimated Total Cost of Project	\$258,490
Estimated Matching Funds Amount	\$109,290
Estimated §319 Grant Amount	\$149,200

Include a brief description of the sources of the 40 percent match contribution.

- The Flood District held a board meeting by conference call on July 15, 2020 and approved a hard match of \$4,000 for the proposed project [See **Attachment D – Letters of Support**].
- ADTD Farms, LLC has the labor and equipment resources to excavate the flood control recharge basin, the diversion and old channels, and the outlet measurement site (the structure itself will be contracted out). ADTD has partnered with the Flood District and agreed to provide excavation labor costs as an in-kind match (56 percent of the estimated matching fund amount) and riprap, gravel, and grass seed as a material soft match (40 percent of the estimated matching fund amount).

PROJECT DETAILS

Water body type	River/Stream
Project type	Agriculture & Ground Water
Primary pollutants to be addressed	Bacteria, Sediment & Temperature
Beneficial uses affected by the project	Water supply & Wildlife habitat

Primary BMPs to be implemented:

- Sediment basin
- Channel stabilization
- Water and sediment control

ESTIMATED ANNUAL LOAD REDUCTION

Estimated pollutant load reduction:

Will be provided once calculations are completed by IDEQ.

Method used to make estimate:

Pending IDEQ estimated pollutant load reduction calculations.

Modeling exercise used:

Pending IDEQ estimated pollutant load reduction calculations.

BEST MANAGEMENT PRACTICES MONITORING

Diversion measurements will be taken during diversion period. Water quality samples will be taken during each diversion period for five years and analyzed for TSS, TP, and E coli. Monitoring will continue for five years and a report of the activities, water quality, and estimated load reduction will be compiled.

PUBLIC INFORMATION AND EDUCATION

The project will be tracked and reported to the East Cassia Soil and Water Conservation District for inclusion in their newsletters. The Raft River Flood District will post a sign at the project site for the duration of the project to inform the public of the project. The sign will read: "This cooperative project has been funded by the Idaho Department of Environmental Quality and the United States Environmental Protection Agency."

PROJECT TASKS / WORK PLAN

Title	Dates	Responsible Parties	\$319	Match	Total
#1 Grant Administration	July 2021- July 2022	RRFD	\$700	\$1,500	\$2,200
Timeframe Description:	All 319 NPS administrative procedures will be followed for the duration of the project.				
Deliverables:	Administrative staff will track the progress of the entire project, to include: keeping records of all required information; tracking, obtaining and preparing all invoices; securing any necessary signatures; assisting with progress reporting; and posting signage at project site along the main road.				
#2 ADTD Farms, LLC Easement	July 2021- October 2021	ADTD Farms, LLC and RRFD	\$2,500	\$2,500	\$5,000
Timeframe Description:	RRFD will work with the private landowner to secure an easement for the construction, operation, and maintenance of the diversion structure. Total task cost will be used to prepare the easement; the private landowner will grant the easement for flood diversion match.				
Deliverables:	Legal description and recorded easement allowing Raft River Flood District access to the structure.				
#3 Permitting	July 2021- October 2021	J-U-B ENGINEERS, Inc.	\$4,000	\$0	\$4,000

Timeframe Description:	A Jt. Application for Permits and the Cassia County Flood Plain permits will be secured as indicated.				
Deliverables:	Applicable issued permits for construction.				
#4 Design of Diversion and Measurement Weir	July 2021-October 2021	J-U-B ENGINEERS, Inc.	\$25,000	\$0	\$25,000
Timeframe Description:	The drafting and design of a Constant Head Orifice Weir outlet structure and riprap diversion within the Raft River and diversion channel to the historic Raft River Channel. The diversion structure will include the design of a riprap static weir to increase the head and will be sized for a 100-year event using HEC-RAS. The outlet will be designed to carry the estimated infiltration rate of 25 cfs and be controlled by head gates with board to maintain outlet head for measurements. Design will use engineered structures and specifications. A topographic survey of the Raft River reach at the proposed diversion and measurement weir location will be completed to develop a diversion design that ties in with the old channel.				
Deliverables:	Final design drawings and associated technical memoranda, and final bid package.				
#5 Diversion Construction	October 2021-January 2022	Contractor and ADTD Farms, LLC	\$110,000	\$8,720	\$118,720
Timeframe Description:	The diversion will be constructed in the dry period of the Raft River, typically occurring from the late summer to early spring. Construction material quantities will be refined during the final design process. Estimated excavation will include embankments and a 500-foot diversion channel to the abandoned channel that runs into the flood detention/recharge basin. The outlet would be sized to carry the estimated infiltration rate of 44 cfs and be controlled by head gates with board to maintain outlet head for measurements. All necessary materials will be identified and secured prior to initiation of construction or secured for a timely delivery during construction. Excavation will be local to the point of diversion and will be completed in the dry season after required permits are secured. The dry season typically starts in June and runs through January. Estimated construction costs include a 9 percent estimate for construction inspection.				
Deliverables:	Completed construction of the Constant Head Orifice Weir outlet structure. Maintenance will be included as part of the NRCS Raft River Watershed Project. A diversion channel, protected by riprap and/or vegetation per the ECSWCD and engineering design, will be constructed and will divert flows from the current Raft River to the old Raft River channel.				

#6 Flood Detention/ Recharge/Sedimentation Basin Construction	October 2021- January 2022	ADTD Farms, LLC	\$0	\$53,400	\$53,400
Timeframe Description:	The flood detention/recharge basin will be constructed during the dry period of the Raft River, typically occurring from the late summer to early spring. Construction material quantities will be refined during the final design process. The flood detention/recharge basin is currently planned to be 6 acres in size and 15 feet in depth and will also require excavation to construct.				
Deliverables:	A 6-acre flood detention/recharge/sedimentation basin constructed and restored to a depth of 15 feet.				
#7 Channel Stabilization	October 2021- January 2022	ADTD Farms, LLC	\$0	\$43,170	\$43,170
Timeframe Description:	The channel will be stabilized during the dry period of the Raft River, typically occurring from the late summer to early spring. Construction will include dirt work, excavation, and riprap and gravel placement along approximately 2,000 feet of the old Raft River channel.				
Deliverables:	Approximately 2,000 feet of the old Raft River channel scrubbed, and silts removed to expose granular materials.				
#8 Monitoring	July 2021- July 2022	RRFD and J-U-B ENGINEERS, Inc.	\$5,500	\$0	\$5,500
Timeframe Description:	Development of the project and restoration activities, including those for the diversion, diversion channel, and flood detention/recharge/sedimentation basin, will be documented. Water quality samples will be taken during each diversion period for 5 years and analyzed for TSS, TP, and <i>E. coli</i> . Monitoring will continue for 5 years. A report of the activities, water quality, and estimated load reduction will be provided by the Flood District with the assistance of J-U-B ENGINEERS, Inc.				
Deliverables:	A 5-Year Report to include monitoring efforts, before and after documentation, and diversion and total sediment load retained by the facility.				
#9 Information and Education	July 2021- July 2022	East Cassia Soil and Water Conservation District (ECSWCD)	\$1,500	\$0	\$1,500
Timeframe Description:	ECSWCD to provide community education and outreach through their newsletters, website, and other educational resources. ECSWCD will also provide consultation services on the plant varieties and vegetation best				

	suited for bank stabilization in the disturbed, constructed, and modified areas of the project. The District will track the project using information provided by the Flood District and retain and distribute the 5-Year Report.
Deliverables:	Public relations and outreach of the facility to the ECSWCD network and affiliated organizations.

**The Raft River Flood District (RRFD) has followed all federal guidelines in the procurement of J-U-B ENGINEERS, Inc. as the engineering firm on this project.*

BUDGET

Project Personnel Costs

N/A

Sub-Contractual Costs

Title	Total Amount	\$319 Amount	Match Amount
Easement Preparation	\$5,000	\$2,500	\$2,500
Permitting	\$4,000	\$4,000	\$0
Monitoring	\$5,500	\$5,500	\$0
Project Design and Surveying	\$25,000	\$25,000	\$0
Diversion and Measurement Weir Construction	\$118,720	\$110,000	\$8,720

Travel Costs

N/A

Supplies, Operating, and Equipment Costs

Description	Total Amount	\$319 Amount	Match Amount
Riprap and Gravel	\$29,000	\$0	\$29,000
Grass Seed	\$14,170	\$0	\$14,170
Excavation Equipment Operation	\$53,400	\$0	\$53,400
Newsletter Distribution, Website Outreach, and Educational Resources	\$1,500	\$1,500	\$0
Project Administration	\$1,500	\$0	\$1,500
Project Signage	\$700	\$700	\$0

Indirect Costs

N/A

Match Sources

Source Title	Match Type	Amount
1 – Raft River Flood District	Hard	\$4,000
2 – ADTD FARMS LLC	Soft	\$43,170
	In-Kind	\$62,120

LETTERS OF SUPPORT

List all letters of support received here. Include copies of all stated letters with your final/signed hard copy application.

- National Resource Conservation Service – Burley Field Office
- East Cassia Soil and Water Conservation District
- Raft River Ground Water District
- ADTD FARMS, LLC

SIGNATURE AUTHORITY

Signature Authority Name

Sara Jane Ward

Signature Authority Title

Secretary, Raft River Flood District No. 15

Signature Authority Phone

(208)431-5560

ATTACHMENT A

ELECTRONIC APPLICATION



§319 Grant Application

*Grants for Watershed and Aquifer Implementation Activities

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Project Name: Raft River Subbasin/Raft River Aquifer Water Quality and Recharge Project

Project Code: TFRO2100109

Project Sponsor

Organization Name: Raft River Flood District No. 15

Organization Phone: 208-431-5560

Organization Fax:

Organization Email: sjward4242@gmail.com

Organization Address: PO Box 142

Postal Code: 83342 **City, State:** MALTA, ID

Project Field Officer: Todd Gerratt

Field Officer Phone: 208-312-8008

Project Location

Primary County: CASSIA

Other Affected Counties:

Hydrologic Unit Code(HUC): 17040210

Latitude: 42°27'38.28"N

Longitude: 113°20'29.53"W

Project Location Description: The Raft River Subbasin of south-central Idaho is a watershed in the Columbia River Basin. Of its total 967,150 acres, 81.6 percent of the watershed is within Idaho. The Raft River is a tributary of the Snake River with headwaters beginning in Northern Utah. The river joins the Snake River in Cassia County, Idaho just above Lake Walcott and downstream from the American Falls Reservoir. The Raft River aquifer is a historical contributor to the Eastern Snake Plain aquifer water balance, underflow, however, is believed to be a fraction of historic levels.

The proposed diversion is located on parcel RP11S27E181200, southwest of East 400 S and south of 2350 E in Malta, Idaho. The property legal description is SWSE and NWSE QQ of Section 18 Township 11S Range 27E. The parcel landowner, ADTD Farms, LLC, is a partner on the project and has agreed to provide an easement to the Flood District for operation and maintenance of the structure if the project is funded and construction moves forward.



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TMDL Effort

TMDL Name and Description - [Find My TMDL](#)

In July 2004, the EPA approved the Raft River Subbasin Assessment and Total Maximum Load. The report identified the following pollutants in the segment from Malta to the Snake River: excessive sediments, excessive nutrients, total ammonia, dissolved oxygen, E. coli, flow alteration or diversions, and salinity. Due to a lack of water during the study, water quality information could not be gathered from the lower reaches of the Raft River. The section does remain on the §303(d) list for flow alteration.

Designated beneficial uses for the Raft River, specifically the segment from Cassia Creek to Heglar Canyon Creek, include cold water aquatic life, salmonid spawning and primary contact recreation (IDAPA 58.01.02.250).

The proposed flood flow and sediment control project will detain and divert flood flows and decrease the sediment load in the Raft River during annual flow events. Once diverted, the collected flood flow will percolate into the Raft River aquifer through the highly pervious gravel layer of the floodplain. Sediment will be trapped in the bottom of the pond and removed during annual maintenance. The expected annual diversions will be diverted under a recharge water right that allows up to 25 cfs of flow to be diverted for recharge purposes. The Flood District has additional jurisdiction to make emergency diversions in excess of 25 cfs during flood events that pose a risk to their service area.

Expected Outcomes and Benefits

Describe your project and the expected outcomes and benefits.

Ongoing declines in groundwater levels and heavy anthropomorphic impacts have changed the historically flowing Raft River into a dry river bed that has become largely channelized and detached from the historic river channel and floodplain. The dry conditions are unable to support riparian vegetation needed to stabilize the banks, resulting in a mobile alluvial streambed that easily transports sediment and debris downstream during flood events. The purpose of this project is to detain and divert flood flows and decrease the sediment load in the Raft River during flood events by diverting polluted water into an adjacent, high-infiltration rate sediment basin. High sediment load water, once diverted by the simple outlet and measurement structure, will flow along the diversion channel where it will connect with the historic river channel. As the high sediment load water travels through the channels, the flood flow will be stripped of silts to increase infiltration before it reaches the flood detention and recharge basin. The proposed project entails the construction of the outlet measurement structure, bank stabilization of both the diversion and old river channel, and excavation of the recharge/sedimentation basin. The proposed high-capacity recharge/sediment control basin will have an estimated infiltration rate of 25 cfs of flood flow and a flood detention storage capacity of approximately 90 acre-ft per event.

This project is a collaborative effort of the Raft River Flood District, the Raft River Ground Water District, East Cassia Soil and Water Conservation District, and Ida Gold Farms, LLC / ADTD Farms, LLC. These entities are also partnered with other stakeholders in a larger effort already approved and funded by the NRCS Watershed Program to capture and recharge flood flows, stabilize groundwater levels, and reduce sediment load discharged into the highly sensitive Minidoka Wildlife Refuge. Located at the confluence of the Raft River and Snake River, the wetland is a key nesting location for the Western and Clarke's Grebes. Overtime, sediment has filled in the wetland and is reducing habitat.

Nonpoint sources are the only sources of pollution within the Raft River Subbasin. Preliminary flood flow analysis indicates the bankfull flows, with a 1.5-year return interval, at the Raft River Gauge (USGS 13078000 RAFT RIVER AB ONEMILE CREEK NR MALTA ID) are approximately 200 cfs per year. Bankfull flows transport the extent of the stream sediment load, and, over time, becomes channel forming. The proposed diversion would divert over 10 percent of the bankfull flows, thereby reducing sediment load by 10 percent.

In a continuous effort to lessen the impacts of annual flood events in the Raft River Subbasin, the Flood District put forth a similar project for funding through the Idaho Water Resources Board Flood Management Program and works in cooperation with the Raft River Groundwater District to maintain and fund recharge projects.

The Raft River is the major waterway draining the 360 square miles of the Raft River Subbasin and a tributary of the Snake River, the confluence of which falls within Lake Walcott. The Minidoka Wildlife Refuge is a highly sensitive wetland located at the confluence whose beneficial uses include salmonid spawning and cold water aquatic life. Flow alteration of the Raft River for irrigation use has resulted in a channelized and unstable riverbed. The proposed flood detention basin diversion is adjacent to the current Raft River channel and in a prime location for flood control, flood detention, and sediment retention as one of the last sections before the Raft River enters a channelized section with higher density farming and industry.

The Raft River aquifer is a prolific groundwater source and a historical contributor to the Eastern Snake Plain aquifer water balance; however, underflow is believed to be a fraction of historic levels. The aquifer remains an important groundwater source used for irrigating approximately 80,000 acres of highly productive agricultural land. The Idaho Department of Water

Resources (IDWR) designated the Raft River aquifer a Critical Groundwater Area in 1963 in response to USGS documented water level decline and decreased stream flow. Average annual groundwater level declines exceed 2-ft per year. Decreasing groundwater levels, compounded with the effects of sediment, channelization, irrigation diversions, and low summer flows, have made the Raft River into an intermittent river with a dry, channelized riverbed and little riparian habitat to stabilize the bank. These conditions contribute to the heavy sediment load flood events in the Raft River Valley.

In 2017, catastrophic flood waters from the Raft River overtopped I-86 and caused a five-day closure of the interstate. To mitigate flood risk, the Idaho Transportation Department has since raised the section of interstate that crosses the Raft River and replaced the bridge to increase sediment storage capacity at the confluence of the Raft River and Snake River. Sedimentation is also a risk for the Minidoka Wildlife Refuge and the wetlands within the confluence.



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Estimated Total Project Funding

*The §319 Grant Application may not be considered without match contributions that total at least 40% of the project's 319 Grant Funds.

Estimated Total Cost: \$258,490.00

Estimated Match Funds: \$109,290.00

Estimated §319 Grant Funds: \$149,200.00

Enter all sources of match.

The Flood District held a board meeting by conference call on July 15, 2020 and approved a hard match of \$4,000 for the proposed project.

ADTD Farms, LLC has the labor and equipment resources to excavate the flood control recharge basin, the diversion and old channels, and the outlet measurement site (the structure itself will be contracted out). ADTD has partnered with the Flood District and agreed to provide excavation labor costs as an in-kind match (56 percent of the estimated matching fund amount) and riprap, gravel, and grass seed as a material soft match (40 percent of the estimated matching fund amount).



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Project Details

Waterbody Type: River/Stream

Project Type: Agriculture
Ground water

Primary Pollutant(s) To Be Addressed:

Bacteria
Sediment
Temperature

Beneficial Uses Affected by Project:

Water supply
Wildlife habitat

Primary Best Management Practices to be Implemented:

Channel Stabilization (ft)
Sediment Basin (no)
Water and Sediment Control



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Estimated Annual Load Reduction

Estimate the annual pollutant load reduction that will result from implementation of this project.

Calculate Annual Load - Questions? Contact Amanda Laib (208.373.0133) - Amanda.Laib@deq.idaho.gov

Will be provided once calculations are completed by Idaho DEQ.

BMP Monitoring

1. Soil and Water Conservation District applicants.

The Idaho Agricultural Field Guide for Evaluating BMP Effectiveness (https://swc.idaho.gov/media/1114/bmp_april2013-smi.pdf) includes a series of 9 standard forms (I-IX) for evaluating, interviewing, observing and assessing NPS/319 projects and sub-projects. List below the forms that will be completed by the district as part of its project oversight responsibilities. [Note: Completed forms are required to be submitted to DEQ upon completion and later as part of the final report.]

2. All other applicants

(includes federal, state and local agencies, tribes, universities, associations, councils, commissions, for-profit businesses, and non-profit section 501(c)3 entities). Describe the method to be used to evaluate the effectiveness of BMPs implemented.

Include the frequency of evaluations and a list of parameters and conditions that will be evaluated, and other information that will be used to report on progress and the outcome of the project. [Note: The applicant is required to periodically report on its findings under this section, and include a more comprehensive BMP effectiveness summary as part of the final report.]

Diversion measurements will be taken during diversion period. Water quality samples will be taken during each diversion period for five years and analyzed for TSS, TP, and E coli. Monitoring will continue for five years and a report of the activities, water quality, and estimated load reduction will be compiled.

Public Information and Education

Describe all outreach efforts that will inform the public of this project.

The project will be tracked and reported to the East Cassia Soil Conservation District for inclusion in their newsletters. The Raft River Flood District will post a sign at the project site for the duration of the project to inform the public of the project. The sign will read: "This cooperative project has been funded by the Idaho Department of Environmental Quality and the United States Environmental Protection Agency."



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Task List/Work Plan

Task	Start and End Dates	Responsible Party	§319	Match	Total
#1 - ADTD Farms, LLC Easement	Jul 2021 - Oct 2021	ADTD Farms, LLC and RRFD	\$2,500.00	\$2,500.00	\$5,000.00
Description:	RRFD will work with the private landowner to secure an easement for the construction, operation, and maintenance of the diversion structure. Total task cost will be used to prepare the easement; the private landowner will grant the easement for flood diversion match.				
Deliverables:	Legal description and recorded easement allowing Raft River Flood District access to the structure.				
#2 - Permitting	Jul 2021 - Oct 2021	J-U-B ENGINEERS, Inc.	\$4,000.00	\$0.00	\$4,000.00
Description:	A Jt. Application for Permits and the Cassia County Flood Plain permits will be secured as indicated.				
Deliverables:	Applicable issued permits for construction.				
#3 - Design of Diversion and Measurement Weir	Jul 2021 - Oct 2021	J-U-B ENGINEERS, Inc.	\$25,000.00	\$0.00	\$25,000.00
Description:	The drafting and design of a Constant Head Orifice Weir outlet structure and riprap diversion within the Raft River and diversion channel to the historic Raft River Channel. The diversion structure will include the design of a riprap static weir to increase the head and will be sized for a 100-year event using HEC-RAS. The outlet will be designed to carry the estimated infiltration rate of 25 cfs and be controlled by head gates with board to maintain outlet head for measurements. Design will use engineered structures and specifications. A topographic survey of the Raft River reach at the proposed diversion and measurement weir location will be completed to develop a diversion design that ties in with the old channel.				
Deliverables:	Final design drawings and associated technical memoranda, and final bid package.				
#4 - Grant Administration	Jul 2021 - Jul 2022	RRFD	\$700.00	\$1,500.00	\$2,200.00
Description:	All 319 NPS administrative procedures will be followed for the duration of the project.				
Deliverables:	Administrative staff will track the progress of the entire project, to include: keeping records of all required information; tracking, obtaining and preparing all invoices; securing any necessary signatures; assisting with progress reporting; and posting signage at project site along the main road.				
#5 - Monitoring	Jul 2021 - Jul 2022	RRFD and J-U-B ENGINEERS, Inc.	\$5,500.00	\$0.00	\$5,500.00
Description:	Development of the project and restoration activities, including those for the diversion, diversion channel, and flood detention/recharge/sedimentation basin, will be documented. Water quality samples will be taken during each diversion period for 5 years and analyzed for TSS, TP, and E coli. Monitoring will continue for 5 years. A report of the activities, water quality, and estimated load reduction will be provided by the Flood District with the assistance of J-U-B ENGINEERS, Inc.				
Deliverables:	A 5-Year Report to include monitoring efforts, before and after documentation, and diversion and total sediment load retained by the facility.				
#6 - Information and Education	Jul 2021 - Jul 2022	East Cassia Soil and Water Conservation District (ECSWCD)	\$1,500.00	\$0.00	\$1,500.00
Description:	ECSWCD to provide community education and outreach through their newsletters, website, and other educational resources. ECSWCD will also provide consultation services on the plant varieties and vegetation best suited for bank stabilization in the disturbed, constructed, and modified areas of the project. The District will track the project using information provided by the Flood District and retain and distribute the 5-Year Report.				

Deliverables:	Public relations and outreach of the facility to the ECSWCD network and affiliated organizations.				
#7 - Diversion Construction	Oct 2021 - Jan 2022	Contractor and ADTD Farms, LLC	\$110,000.00	\$8,720.00	\$118,720.00
Description:	The diversion will be constructed in the dry period of the Raft River, typically occurring from the late summer to early spring. Construction material quantities will be refined during the final design process. Estimated excavation will include embankments and a 500-foot diversion channel to the abandoned channel that runs into the flood detention/recharge basin. The outlet would be sized to carry the estimated infiltration rate of 44 cfs and be controlled by head gates with board to maintain outlet head for measurements. All necessary materials will be identified and secured prior to initiation of construction or secured for a timely delivery during construction. Excavation will be local to the point of diversion and will be completed in the dry season after required permits are secured. The dry season typically starts in June and runs through January. Estimated construction costs include a 9 percent estimate for construction inspection.				
Deliverables:	Completed construction of the Constant Head Orifice Weir outlet structure. Maintenance will be included as part of the NRCS Raft River Watershed Project. A diversion channel, protected by riprap and/or vegetation per the ECSWCD and engineering design, will be constructed and will divert flows from the current Raft River to the old Raft River channel.				
#8 - Flood Detention/Recharge/Sedimentation Basin Construction	Oct 2021 - Jan 2022	ADTD Farms, LLC	\$0.00	\$53,400.00	\$53,400.00
Description:	The flood detention/recharge basin will be constructed during the dry period of the Raft River, typically occurring from the late summer to early spring. Construction material quantities will be refined during the final design process. The flood detention/recharge basin is currently planned to be 6 acres in size and 15 feet in depth and will also require excavation to construct.				
Deliverables:	A 6-acre flood detention/recharge/sedimentation basin constructed and restored to a depth of 15 feet.				
#9 - Channel Stabilization	Oct 2021 - Jan 2022	ADTD Farms, LLC	\$0.00	\$43,170.00	\$43,170.00
Description:	The channel will be stabilized during the dry period of the Raft River, typically occurring from the late summer to early spring. Construction will include dirt work, excavation, and riprap and gravel placement along approximately 2,000 feet of the old Raft River channel.				
Deliverables:	Approximately 2,000 feet of the old Raft River channel scrubbed, and silts removed to expose granular materials.				



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Project Personnel Costs

Position Title	Hours	Rate/Hour	Total	Match Amount	\$319 Amount
N/A	0	\$0.00	\$0.00	\$0.00	\$0.00



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Subcontractual Costs - All costs must be associated with a work plan task

Description	Total Amount	§319 Amount	Match Amount
Easement Preparation	\$5,000.00	\$2,500.00	\$2,500.00
Permitting	\$4,000.00	\$4,000.00	\$0.00
Monitoring	\$5,500.00	\$5,500.00	\$0.00
Project Design and Surveying	\$25,000.00	\$25,000.00	\$0.00
Diversion and Measurement Weir Construction	\$118,720.00	\$110,000.00	\$8,720.00



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Travel Costs

Category	Description	Quantity	Rate	Total	Match Amount	§319 Amount
Other	N/A	0	\$0.00	\$0.00	\$0.00	\$0.00



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Supplies, Operating, and Equipment Costs

Supply Costs

Description	Total Amount	\$319 Amount	Match Amount
Riprap and Gravel	\$29,000.00	\$0.00	\$29,000.00
Grass Seed	\$14,170.00	\$0.00	\$14,170.00
Project Administration	\$1,500.00		\$1,500.00

Operating Costs

Description	Total Amount	\$319 Amount	Match Amount
Excavation Equipment Operation	\$53,400.00	\$0.00	\$53,400.00
Newsletter Distribution, Website Outreach, and Educational Resources	\$1,500.00	\$1,500.00	\$0.00
Project Signage	\$700.00	\$700.00	\$0.00

Equipment Costs



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Indirect Costs - Not to exceed 10% of combined Administrative and Travel Costs

Description	Total Amount	§319 Amount	Match Amount	Negotiated Rate	Standard Rate	Rate Negotiated with DEQ
10% De Minimus Indirect Costs	\$0.00	\$0.00	\$0.00	False	True	False



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Match Sources

Source Title	Match Type	Amount
1 - Raft River Flood District No. 15	Hard	\$4,000.00
2 - ADTD Farms, LLC	Soft	\$43,170.00
3 - ADTD Farms, LLC	In-Kind	\$62,120.00

Letters of Support

List all letters of support received. Include copies with your signed hardcopy of the application.

National Resources Conservation Service - Burley Field Office
East Cassia Soil and Water Conservation District
Raft River Ground Water District
ADTD FARMS, LLC

Signature Authority

Signature Authority Name: Sara Jane Ward

Signature Authority Title: Secretary, Raft River Flood District No. 15

Signature Authority Phone: (208)431-5560



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Total Project Cost

	Page	Line Items	Match	§319	Total
Estimated Project Cost:	3		\$109,290.00	\$149,200.00	\$258,490.00
Cumulative total of all work plan tasks:	6	9	\$109,290.00	\$149,200.00	\$258,490.00

Total Cost by Budget Category

	Page	Line Items	Match	§319	Total
Estimated Project Budget:	3	9	\$109,290.00	\$149,200.00	\$258,490.00

Project Personnel:	7	1	\$0.00	\$0.00	\$0.00
Subcontractual:	8	5	\$11,220.00	\$147,000.00	\$158,220.00
Travel:	9	1	\$0.00	\$0.00	\$0.00
Equipment:	10	0	\$0.00	\$0.00	\$0.00
Supply:	10	3	\$44,670.00	\$0.00	\$44,670.00
Operating:	10	3	\$53,400.00	\$2,200.00	\$55,600.00
Indirect:	11	1	\$0.00	\$0.00	\$0.00
Totals:			\$109,290.00	\$149,200.00	\$258,490.00

Match Totals

	Page	Line Items	Total
Estimated Matching Funds:	3		\$109,290.00
Match Sources(NO.):	12	3	\$109,290.00

Your current match totals are equal to your original match estimate on page 3.

Signature ()

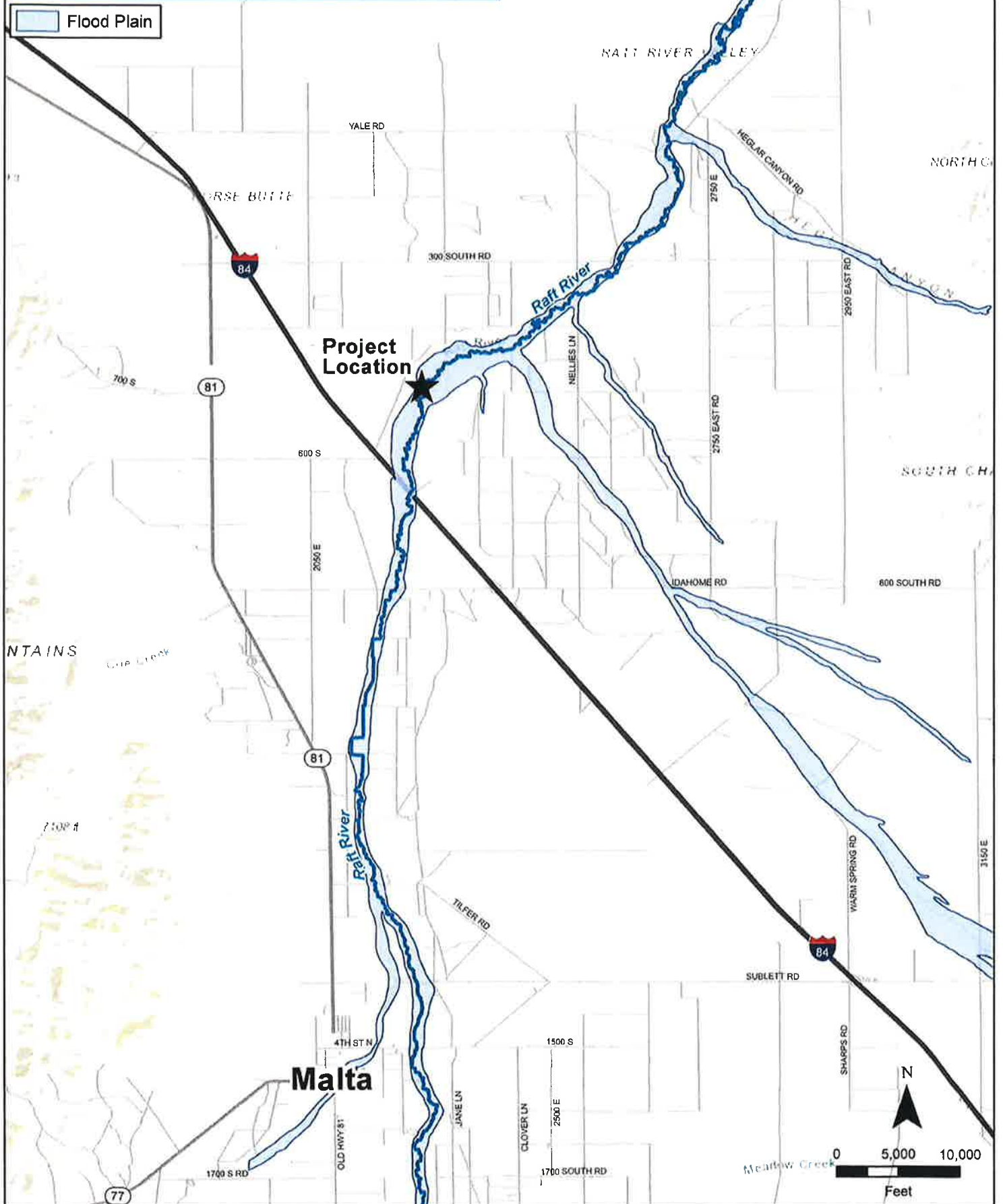
7/15/2020

Date

ATTACHMENT B

VICINITY MAP

Raft River Sub-Basin and Aquifer Water Quality and Recharge Project



ATTACHMENT C

PROJECT MAP

Raft River Sub-Basin and Aquifer Water Quality and Recharge Project

- Proposed Point of Diversion
- Proposed Diversion Channel
- Proposed Flood Detention/Recharge Basin
- Current Channel
- Old Channel
- Flood Plain Boundary

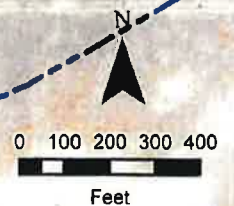
End of Old Channel Stabilization

- Strip topsoil
- Stabilize banks with grass seed and riprap

Start of Old Channel Stabilization

- Stabilize banks

Point of Diversion/
Measurement Structure



ATTACHMENT D

LETTERS OF SUPPORT

**Raft River Flood District #15
July 15, 2020
Phone Conference Call**

Attending: Lucas Spratling, Rob Cottle, Carl Boden, Cordell Sheridan & Sara Jane Ward

Meeting called to order by Chairman Lucas Spratling at 11:30 am.

Lucas has been in touch with Hattie Zobott from JUB. RR Flood is submitting IDEQ 319 Grant. This grant can help with the installation of the diversion on ADTD property as previously discussed. RR Flood's share would be \$4000.00. Rob shared financial information that the Flood District has sufficient funds in the account to cover match.

After some discussion Carl moved that we proceed with the grant application and approve our \$4000. 00 match, Rob Second. Motion passed.

Meeting adjourned at 11:45 am.

**Ida Gold Farms
2500 Overland Ave.
Burley, ID 83318
208-678-4820
208-678-4925**

July 15, 2020

Idaho Department of Environmental Quality
Attn: Julia Achabal
1410 N. Hilton
Boise, Idaho 83706

RE: Raft River Flood Control District No. 15's Water Quality and Recharge Diversion Proposal

Dear Ms. Achabal,

This letter is submitted to you in support of the Water Quality and Recharge Project Funding Proposal submitted to you by the Raft River Flood District No. 15.

With the assistance of IDEQ, the Flood District proposes to construct a diversion structure on land owned by the ADTD Farms, LLC to divert the Raft River into an existing recharge basin for flood detention, sediment control, and to recharge the Raft River Aquifer. ADTD Farms, LLC fully supports the proposed project and plan set forth by the Flood District.

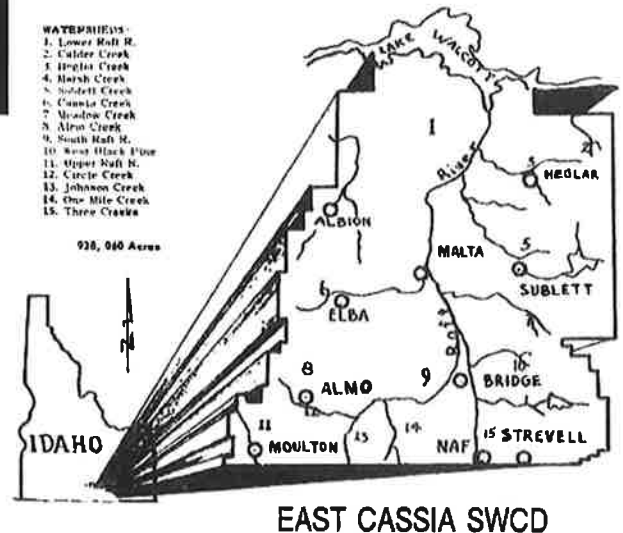
As the owner of the land where the diversion is proposed, ADTD Farms, LLC has agreed to provide an easement to the Flood District for operation and maintenance of the diversion if the proposed project is awarded IDEQ 319 funds and moves forward. Additionally, ADTD Farms, LLC has agreed to provide gravel and rip rap supplies along with the excavation work required for the channels and basin.

Thank you for your consideration of the project. Please feel free to contact me with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd Gerratt", with a stylized flourish at the end.

Todd Gerratt
Member
ADTD Farms, LLC



July 15, 2020

State of Idaho
Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

Re: IDEQ §319 Nonpoint Source Program – Funding Assistance Request for Raft River

Dear Ms. Julia Achabal,

East Cassia Soil and Water Conservation District is supportive of the Raft River Flood District #15 (Flood District), request for Idaho Department of Environmental Quality (IDEQ) assistance under the §319 Nonpoint Source Program to build a diversion outlet structure on the Raft River to divert high sediment flood flows to a detention and recharge basin. In diverting and infiltrating flood flows as recharge, the proposed project will support the region's TMDL effort to decrease the sediment load in the Raft River during high flow events. The recharge will raise groundwater levels over time that will maintain and support riparian vegetation needed to stabilize the banks. Diverting flood flows will reduce erosion and flood damage downstream of the project and help reduce sediment loads further.

We are prepared to support this project should the Flood District be successful in obtaining funding. The East Cassia Soil and Water Conservation District will provide community education and outreach through our newsletters, website, and education resources using the proposed \$1,500 dollars described by Task #6 Information and Education. We will provide advice and consultation services on the plant varieties of vegetation best suited for bank restabilization in the described area. The East Cassia Soil and Water Conservation District will track the project using the charted documentation received from the Raft River Flood District #15 for a five year period evaluating the project's successes.

Please feel free to contact the office at (208) 572-3375 for any additional information that you might need to demonstrate our support of the project.

Sincerely,

Mark A Webb

Mark Webb
Chairman
East Cassia Soil Conservation District



P.O. Box 122, Almo, Idaho 83312
Phone: (208) 430-7749
Fax: (208) 824-5560
raftrivergwd@hotmail.com

July 15, 2020

STATE OF IDAHO
DEPARTMENT OF ENVIRONMENTAL QUALITY
1410 N. Hilton
Boise, Idaho 83706

Re: 319 Nonpoint Source Grants – Funding Assistance Request for Raft River Flood District #15

Dear Idaho Department of Environmental Quality:

The Raft River Groundwater District (RRGWD) is supportive of the Flood District proposal to build a diversion to a flood detention basin. The project will divert flows to decrease flood impacts to the area and remove sediment from the Raft River. The Flood District's service area is a rural area that has faced severe flooding and is still at risk of flooding. The RRGWD is supportive because flood detention increases recharge to the Raft River Aquifer. Ongoing groundwater declines have resulted in administrative curtailment by the Idaho Department of Water Resources. The flooding and curtailment have had significant impacts on RRGWD, residents, infrastructure, agriculture business, and the overall economy of the area.

The project is essential and necessary to increase public protection from flooding and rural resiliency for Raft River farmers and residents. We strongly support this proposal and appreciate the advancements it will make in improving flood protection.

Please feel free to contact me for any other information at Todd Webb, (208) 431-5744.

Sincerely,

Todd Webb
Chairman
Raft River Groundwater District

Board of Directors:

Todd Webb | Ryan Moss | Darin Harper | Nolan Branch | Rod Jones



Natural Resources Conservation Service

1361 East 16th Street, Burley, ID 83318-2929

Telephone: 208-678-1225 FAX: 208-677-2070

July 15, 2020

State of Idaho
Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

Re: IDEQ §319 Nonpoint Source Program – Funding Assistance Request for Raft River

Dear Ms. Julia Achabal,

Burley NRCS Field Office is supportive of the Raft River Flood District #15 (Flood District), request for Idaho Department of Environmental Quality (IDEQ) assistance under the §319 Nonpoint Source Program to build a diversion outlet structure on the Raft River to divert high sediment flood flows to a detention and recharge basin. The Raft River area is prone to high spring runoff events and periodic flooding. These events result in high amounts of eroded soils from surrounding areas being deposited in the river channel which ultimately affects bridges and crossings, neighboring property, stream channel functions and riparian habitat. It is also one of the reasons for the region's TMDL effort to decrease the sediment load in the Raft River during high flow events. The Raft River area is also important to the Eastern Snake Plains Aquifer in that the geological and geographical characteristics are conducive to effective recharge potential. In addition, the recharge will raise local groundwater levels over time that will maintain and support the riparian vegetation needed to stabilize the banks. In diverting and infiltrating flood flows as recharge, the proposed project will address these concerns by reducing erosion and flood damage downstream of the project and by helping to reduce sediment loads further.

Please feel free to contact the office at (208) 572-3377 for any additional information that you might need to demonstrate our support of the project.

Sincerely,

A handwritten signature in dark ink, appearing to read "D. Mabey", written over a horizontal line.

David Mabey

NRCS District Conservationist
Cassia/Minidoka Counties

Bitzenburg, James

From: Hattie Zobott <hzobott@jub.com>
Sent: Tuesday, May 05, 2020 4:29 PM
To: Bitzenburg, James
Subject: RE: ADTD Farms, LLC - Ground water Recharge App for Permit

Thanks Jim!

If you would please ask for an extension, it would be much appreciated. The Rule 40 requirements are very specific and have some questions that I don't have answers to yet. For instance, I do not have plans drafted for the project yet—but I have estimated water availability and can show on a map the general project area and concept. Do you expect a report similar to what we put together for the Raft River Recharge Group? I wrote that one, but I was able to use information that we pulled together for the feasibility report. I don't have a feasibility report for this project. Any advise you could provide on the expectations for elements like drawings, cost, etc. would be very helpful to me.

Also, do you have a copy of the Rule 40 report(s) submitted by the Raft River Ground Water District for their water rights of 25.0 cfs? I would like to reference them and I couldn't find them in the backfiles of the water right applications for permit.

Sincerely,

HATTIE ZOBOTT, P.E.
Professional Engineer, Project Engineer

From: Bitzenburg, James <James.Bitzenburg@idwr.idaho.gov>
Sent: Tuesday, May 5, 2020 4:03 PM
To: Hattie Zobott <hzobott@jub.com>
Subject: RE: ADTD Farms, LLC - Ground water Recharge App for Permit

[External Email]

Hattie-

I suppose- I'll check with Corey, but I don't see why not. I wouldn't expect enough run-off over there to do recharge this year, anyway. Hopefully you are getting in some good family time.

Jim

From: Hattie Zobott [hzobott@jub.com]
Sent: Tuesday, May 05, 2020 1:20 PM
To: Bitzenburg, James
Subject: RE: ADTD Farms, LLC - Ground water Recharge App for Permit

Dear Jim,

I am still working on this. I have been slowed down by staying home. May I have more time to complete it please?

Sincerely,

HATTIE ZOBOTT, P.E.
Professional Engineer, Project Engineer

From: Bitzenburg, James <James.Bitzenburg@idwr.idaho.gov>
Sent: Wednesday, April 8, 2020 7:51 PM
To: Hattie Zobott <h Zobott@jub.com>
Subject: ADTD Farms, LLC - Ground water Recharge App for Permit

[External Email]

Hi, Hattie-

The ADTD Farms Ground Water Recharge application for permit has come through advertising with no protests, but we still have not received the "Rule 40" information which was requested last month (see attached). I'm mostly working from home, but Denise or Corey could help you out if you have questions.

Stay well,

Jim

Jim Bitzenburg
Water Resource Agent
Idaho Department of Water Resources
Southern Regional Office
Phone (208)-736-3033
james.bitzenburg@idwr.idaho.gov

This e-mail and any attachments involving J-U-B or a subsidiary business may contain information that is confidential and/or proprietary. Prior to use, you agree to the provisions found on the Electronic Documents/Data License, which can be accessed from the footer on the J-U-B home page. If you believe you received this email in error, please reply to that effect and then delete all copies.

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Maline, Denise

From: Conley,Keats <keats.conley@idfg.idaho.gov>
Sent: Friday, April 03, 2020 1:21 PM
To: Maline, Denise
Subject: RE: Comment Letter for Application 43-13881

Dear Denise,

Thank you for the opportunity to review the Application-for-Permit No. 43-13881 submitted by ADTD Farms, LLC to divert up to 25.0 cfs from the Raft River for managed ground water recharge in Cassia County. Please note that IDFG's mission is to protect, preserve, and manage Idaho's fish and wildlife resources for the public interest (Idaho Code 36-103).

It is our understanding that the reach of the Raft River where the point-of-diversion is proposed, approximately 10.5 miles north and 1.5 miles east of Malta, is intermittent. IDFG has no comments or recommendations at this time.

Sincerely,

Keats

Keats Conley
Environmental Staff Biologist
Idaho Department of Fish and Game – Magic Valley Region
324 South 417 East, Suite 1
Jerome, ID 83338
(208) 644-6310



<https://idfg.idaho.gov>

From: Maline, Denise <Denise.Maline@idwr.idaho.gov>
Sent: Monday, March 16, 2020 3:38 PM
To: Conley,Keats <keats.conley@idfg.idaho.gov>
Subject: Comment Letter for (4) applications

Good afternoon Keats,

Attached is information regarding (4) applications currently being processed by Dept of Water Resources. Please review the information, complete the attached recommendation form(s), and submit it to this office within 21 days. In addition, detailed information regarding this application(s) can also be found on our website.

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

Thank you in advance,

Denise Maline, IDWR Twin Falls

* **Proof of Publication** *

Twin Falls Times-News
132 Fairfield St W, Twin Falls, Idaho 83301

RUBY AUFDERHEIDE, being duly sworn, deposes and says: That she is the Principal Clerk of the Times-News, a daily newspaper printed and published at Twin Falls, Twin Falls County, State of Idaho, and having a general circulation therein, and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto: that said notice was published in the Times-News, in conformity with Section 60-108, Idaho Code, as amended, for:

2 Insertions

ID DEPARTMENT OF WATER RESOURCES

650 ADDISON AVE W, STE 500
TWIN FALLS ID 83301

ORDER NUMBER 99750

Ruby Aufderheide
(Legals Clerk)

STATE OF IDAHO)
SS
COUNTY OF TWIN FALLS)

On this 26th day of March in the year of 2020 before me, a Notary Public, personally appeared before me Ruby Aufderheide known or identified to me to be the person whose name subscribed to the within instrument, and being by first duly sworn, declared that the statements therein are true, and acknowledged to me that she executed the same.

Reba M Davis
Notary Public FOR Idaho
Residing at: Twin Falls, Idaho
My Commission expires: 5/8/2020



Section: Legals
Category: 50 Legal

PUBLISHED ON: 03/19/2020, 03/26/2020

TOTAL AD COST: 369.84
FILED ON: 3/26/2020

RECEIVED

MAR 30 2020

DEPT OF WATER RESOURCES
SOUTHERN REGION

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

37-23018
SOUTH VALLEY GROUND WATER DISTRICT
C/O KRISTY MOLYNEUX
PO BOX 223
BELLEVUE, ID 83313-0223
Point of Diversion L3(NESWNW) S36 T02N R18E BLAINE County Source BIG WOOD RIVER Tributary SNAKE RIVER
Point of Diversion NWSESW S12 T01N R18E BLAINE County Source BIG WOOD RIVER Tributary SNAKE RIVER
Point of Diversion NWSESW S25 T01N R18E BLAINE County Source BIG WOOD RIVER Tributary SNAKE RIVER
Use: GROUND WATER RECHARGE 01/01 to 12/31 82 CFS
Total Diversion: 82 CFS
Date Filed: 11-14-2016
Place Of Use: GROUND WATER RECHARGE
Place of Use located within portions of:
T01N R19E S19, S20, S32
T01S R19E S3, S4, S5, S8, S9, S10, S15, S16, S17, S20, S21

Application for permit proposes diversion of up to 82.0 cfs for ground water recharge from two points of diversion (POD) on the Big Wood River and a point of re-diversion located on the Bypass Canal. One POD (District 45 Canal) is located approximately 0.6 mile north and 0.3 mile west of Bellevue, at the intersection of Highway 75 and the Gannett Picabo Road in Bellevue. The second POD (Bypass Canal) is located approximately 1.8 miles south and 0.2 mile west of Bellevue, with a point of re-diversion (Baseline Canal) located approximately 4.3 miles south and 0.2 mile west of Bellevue. The proposed place of use (POU) is located approximately 3.0 to 9.3 miles south and 1.0 to 4.0 miles east of Bellevue, where ground water recharge will be accomplished by diverting water into recharge sites.

This application proposes to appropriate trust water and will be evaluated in compliance with Section 42-203C, Idaho Code, and IDWR's Water Appropriation Rules, IDAPA 37.03.08.

43-13881
ADTD FARMS LLC
2500 OVERLAND AVE
BURLEY, ID 83318-2941
Point of Diversion SWSE S18 T11S R27E CASSIA County Source RAFT RIVER Tributary SNAKE RIVER
Use: GROUND WATER RECHARGE 01/01 to 12/31 25 CFS
Total Diversion: 25 CFS
Date Filed: 02-20-2020
Place Of Use: GROUND WATER RECHARGE
T11S R27E S18 NWSE, SWNE, SWSE
Application for permit proposes diversion of up to 25.0 cfs for Ground Water Recharge from Raft River at a point approximately 10.5 miles north and 1.5 miles east of Malta. Recharge is proposed in an area located adjacent to the point of diversion.

✓ DM

4/1/2020

→

**NOTICE OF PROPOSED CHANGE OF WATER RIGHT
TRANSFER NO. 83746**

✓
7 SPRINGS RANCH LLC and RED ROCK FARMS LLC, 2038 S HIGHWAY 81, MALTA, ID 83342-8746 has filed Application No. 83746 for changes to the following water rights within CASSIA County(s): Right No(s). 43-10064, 43-10554, 43-10636, 43-12946, 43-13858, 43-13859, 43-13860, 43-13861, 43-13862, 43-13863, 43-144A, 43-144B, 43-145, 43-149, 43-150, 43-151A, 43-152, 43-221, 43-2223A, 43-2224A, 43-2281, 43-2300A, 43-2306A, 43-2322, 43-2337, 43-2373, 43-2424, 43-251A, 43-2535, 43-31, 43-324, 43-4119, 43-4120, 43-4121, 43-4122, 43-4169, 43-4209, 43-4211. The purpose of the transfer is to change a portion of the above rights as follows: Application for transfer proposes rearranging and adding 8 acres into an existing 2002 acre place of use for 5 Raft River water rights, 10 Cassia Creek water rights and 23 ground water rights to create a contiguous 2010 acre place of use (POU). The application also proposes adding all of the wells listed as existing points of diversion (PODs) on the 23 groundwater rights (13 wells total) as authorized points of diversion on all 23 ground water rights. The 23 ground water rights, 10 Cassia Creek rights and 5 Raft River rights allow for a combined total diversion of 52.96 cfs. No changes are proposed for the surface water PODs. All PODs and the POU are located approximately 0.75 to 3.0 miles south and 0.0 miles to 2.6 miles east of Malta.

**NOTICE OF PROPOSED CHANGE OF WATER RIGHT
TRANSFER NO. 83764**

✓
BRANCH FARMS LLC, and NOLAN K BRANCH and LUANN S BRANCH, PO BOX 24, MALTA, ID 83342-0024 has filed Application No. 83764 for changes to the following water rights within CASSIA County(s): Right No(s). 43-11249, 43-12926, 43-12927, 43-12928, 43-12929, 43-12930, 43-12931, 43-13075, 43-171C, 43-178G, 43-2284A, 43-2284B, 43-2304A, 43-2304B, 43-2305, 43-2308A, 43-2393, 43-2394A, 43-2394B, 43-2455A, 43-2455B, 43-2468, 43-254A, 43-254B, 43-2553, 43-287, 43-4237. The purpose of the transfer is to change a portion of the above rights as follows: Application for transfer proposes combining multiple places of use for 15 ground water rights and 12 Raft River rights to create a contiguous 1289 acre place of use (POU). The application also proposes adding all of the wells listed as points of diversion (PODs) on the 15 ground water rights plus 2 additional existing wells (10 wells total) as authorized points of diversion on all 15 ground water rights. The application also proposes adding an additional proposed POD to 8 of the Raft River rights. The 15 ground water rights and 12 Raft River rights allow for a combined total diversion of 24.23 cfs. The groundwater PODs, the Raft River PODs for 8 of the Raft River rights and the POU are located approximately 2.0 to 3.7 miles south and 0.5 to 2.8 miles east of Malta. The 4 remaining Raft River rights will continue to be diverted at a location approximately 8.0 miles south and 1.7 miles east of Malta.

Permits will be subject to all prior water rights. For additional information concerning the property locations, contact Southern Region office at (208) 736-3033; or for a full description of the rights &/or proposed transfer, please see <https://research.idwr.idaho.gov>. Protests may be submitted based on the criteria of Sec 42-222 and 42-203A, Idaho Code. Any protest against the approval of this application(s) must be filed with the Director, Dept. of Water Resources, Southern Region, 650 ADDISON AVE W, STE 500, TWIN FALLS, ID 83301-5858 together with a protest fee of \$25.00 for each application on or before April 6, 2020. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director
PUBLISH: March 19 and 26, 2020

✓ DM 4/1/2020

RECEIVED

APR 01 2020

DEPT OF WATER RESOURCES
SOUTHERN REGION

Idaho Statesman

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RECEIVED

MAR 30 2020

WATER RESOURCES
WESTERN REGION

AFFIDAVIT OF PUBLICATION

Account #	Ad Number	Identification	PO	Amount	Cols	Depth
263982	0004599818	The following application(s) have been filed to app	37-23018 & 43-13881 Ad	\$242.30	2	7.33 In

Attention: Denise Maline

IDAHO DEPT OF WATER RESOURCES / SOUTH
2735 W AIRPORT WAY
BOISE, ID 83705

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

✓ 37-23018

SOUTH VALLEY GROUND WATER DISTRICT

C/O KRISTY MOLYNEUX

PO BOX 223

BELLEVUE, ID 83313-0223

Point of Diversion L3(NESWNW) S36 T02N R18E BLAINE County Source BIG WOOD RIVER Tributary SNAKE RIVER

Point of Diversion NWSESW S12 T01N R18E BLAINE County Source BIG WOOD RIVER Tributary SNAKE RIVER

Point of Diversion NWSESW S25 T01N R18E BLAINE County Source BIG WOOD RIVER Tributary SNAKE RIVER

Use: GROUND WATER RECHARGE

01/01 to 12/31 82 CFS

Total Diversion: 82 CFS

Date Filed: 11-14-2016

Place Of Use: GROUND WATER RECHARGE

Place of Use located within portions of:

T01N R19E S19, S20, S32

T01S R19E S3, S4, S5, S8, S9, S10, S15, S16, S17, S20, S21

Application for permit proposes diversion of up to 82.0 cfs for ground water recharge from two points of diversion (POD) on the Big Wood River and a point of re-diversion located on the Bypass Canal. One POD (District 45 Canal) is located approximately 0.6 mile north and 0.3 mile west of the intersection of Highway 75 and the Gannett Picabo Road in Bellevue. The second POD (Bypass Canal) is located approximately 1.8 miles south and 0.2 mile west of Bellevue, with a point of re-diversion (Baseline Canal) located approximately 4.3 miles south and 0.2 mile west of Bellevue. The proposed place of use (POU) is located approximately 3.0 to 9.3 miles south and 1.0 to 4.0 miles east of Bellevue, where ground water recharge will be accomplished by diverting water into recharge sites.

This application proposes to appropriate trust water and will be evaluated in compliance with Section 42-203C, Idaho Code, and IDWR's Water Appropriation Rules, IDAPA 37.03.08.

✓ 43-13881

ADTD FARMS LLC

2500 OVERLAND AVE

BURLEY, ID 83318-2941

Point of Diversion SWSE S18 T11S R27E CASSIA County Source RAFT RIVER Tributary SNAKE RIVER

Use: GROUND WATER RECHARGE 01/01 to 12/31 25 CFS

Total Diversion: 25 CFS

Date Filed: 02-20-2020

Place Of Use: GROUND WATER RECHARGE

T11S R27E S18 NWSE, SWNE, SWSE

Application for permit proposes diversion of up to 25.0 cfs for Ground Water Recharge from Raft River at a point approximately 10.5 miles north and 1.5 miles east of Malta. Recharge is proposed in an area located adjacent to the point of diversion.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact the Southern office at (208)736-3033; or for a full description of the right(s), please see <https://idwr.idaho.gov/apps/ExtSearch/WRAApplicationResults/>.

Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Southern Region, 650 ADDISON AVE W STE 500, TWIN FALLS ID 83301-5858 together with a protest fee of \$25.00 for each application on or before April 6, 2020. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published in Idaho Mountain Express on March 18th & 25th, 2020 & Times News, Idaho Statesman, Lewiston Tribune, Post Register on March 19th & 26th, 2020

VICTORIA RODELA, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein, and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto: that said notice was published in The Idaho Statesman, in conformity with Section 60-108, Idaho Code, as amended, for:

2 Insertions

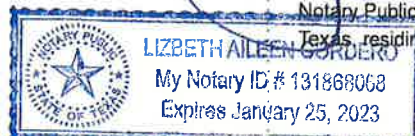
Beginning issue of: 03/19/2020

Ending issue of: 03/26/2020

V Rodela

(Legals Clerk)

On this 26th day of March in the year of 2020 before me, a Notary Public, personally appeared before me Victoria Rodela known or identified to me to be the person whose name subscribed to the within instrument, and being by first duly sworn, declared that the statements therein are true, and acknowledged to me that she executed the same.



Notary Public in and for the state of Texas, residing in Dallas County

My Notary ID # 131868068
Expires January 25, 2023Extra charge for lost or duplicate affidavits.
Legal document please do not destroy!

0004599818.01



THE JEFFERSON
STAR

THE CHALLIS
Messenger

ADVERTISING RECEIPT

333 Northgate Mile,
Idaho Falls, ID 83401
Ph. (208) 522-1800 Fax: (907) 452-5054

RECEIVED

MAR 30 2020

DEPT OF WATER RESOURCES
SOUTHERN REGION

IDWR Southern Region
650 Addison Ave. West
Suite 500
Twin Falls, ID 83301

E-mail

BILLING DATE: ACCOUNT NO:

03/27/20

12622

The following application(s)
have been filed to appropriate
the public waters of the State
of Idaho:

37-23018

SOUTH VALLEY GROUND
WATER DISTRICT
C/O KRISTY MOLYNEUX
PO BOX 223
BELLEVUE, ID 83313-0223
Point of Diversion
L3(NESWNW) S36 T02N
R18E BLAINE County Source
BIG WOOD RIVER Tributary
SNAKE RIVER

Point of Diversion NWSESW
S12 T01N R18E BLAINE
County Source BIG WOOD
RIVER Tributary SNAKE RIV-
ER

Point of Diversion NWSESW
S25 T01N R18E BLAINE
County Source BIG WOOD
RIVER Tributary SNAKE RIV-
ER

Use: GROUND WATER RE-
CHARGE

01/01 to 12/31 82 CFS

Total Diversion: 82 CFS

Date Filed: 11-14-2016

Place Of Use: GROUND WA-
TER RECHARGE

Place of Use located within
portions of:

T01N R19E S19, S20, S32

T01S R19E S3, S4, S5, S8,
S9, S10, S15, S16, S17, S20,
S21

Application for permit pro-
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cfs for ground water recharge
from two points of diversion
(POD) on the Big Wood Riv-
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One POD (District 45 Canal)
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plished by diverting water into
recharge sites.

This application proposes to
appropriate trust water and
will be evaluated in compli-
ance with Section 42-203C,
Idaho Code, and IDWR's Wa-
ter Appropriation Rules, IDA-
PA 37.03.08.

AD #	DESCRIPTION	START	STOP	TIMES	AMOUNT
6478	Transfers 37-23018,	03/19/20	03/26/20	2	\$173.88

App. for Permits 37-23018
and 43-13881

✓ OK to pay sm 4/3/2020

Payments:

Date	Method	Card Type	Last 4 Digits	Check	Amount
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Discount: \$0.00
Surcharge: \$0.00
Credits: \$0.00

Gross: \$173.88
Paid Amount: \$0.00

Amount Due: \$173.88

We Appreciate Your Business!

AD# 6478

✓ sm 4/1/2020



AD# 6478 43-13881
ADTD FARMS LLC
2500 OVERLAND AVE
BURLEY, ID 83318-2941
Point of Diversion SWSE S18
T11S R27E CASSIA County
Source RAFT RIVER Tribu-
tary SNAKE RIVER
Use: GROUND WATER RE-
CHARGE 01/01 to 12/31 25
CFS
Total Diversion: 25 CFS
Date Filed: 02-20-2020
Place Of Use: GROUND WA-
TER RECHARGE
T11S R27E S18
NWSE,SWNE,SWSE

Application for permit pro-
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Permits will be subject to all
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tact the Southern office at
(208)736-3033; or for a full
description of the right(s),
please see <https://idwr.idaho.gov/apps/ExtSearch/WRApplicationResults/>. Protests
may be submitted based on
the criteria of Idaho Code §
42-203A. Any protest against
the approval of this application
must be filed with the Director,
Dept. of Water Resources,
Southern Region, 650 ADDI-
SON AVE W STE 500, TWIN
FALLS ID 83301-5858 togeth-
er with a protest fee of \$25.00
for each application on or be-
fore April 6, 2020. The protes-
tant must also send a copy of
the protest to the applicant.

GARY SPACKMAN, Director
Published: 3/19, 3/26, 2020
(6478-12622)

✓ DM 4/11/2020

TRIBUNE PUBLISHING COMPANY, INC

The Lewiston Tribune
505 C St., P.O.Box 957
Lewiston, Idaho 83501
(208) 743-9411

Date: 03/26/2020 INVOICE NO. 157405
Account No. 446620
Description 157405 The foll
Times 2 Lines 73
Tab. lines
\$ 213.52

**LEGAL ADVERTISING
INVOICE**

RECEIVED

Sold To: DEPT OF WATER RESOURCES
650 ADDISON AVE W, STE 500
TWIN FALLS ID 83301

MAR 30 2020
DEPT OF WATER RESOURCES
SOUTHERN REGION
PO# Mayline, Denise

NOTICE: This is a invoice of Purchase made by you. Statement will be rendered the first of the month
Please Retain This Invoice as Your Statement Will Refer to Invoice by No. Only.

AFFIDAVIT OF PUBLICATION

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

37-23018
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C/O KRISTY MOLYNEUX
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County Source BIG WOOD RIVER Tributary SNAKE RIVER

Point of Diversion NWSESW S12 T01N R18E BLAINE County
Source BIG WOOD RIVER Tributary SNAKE RIVER
Point of Diversion NWSENW S25 T01N R18E BLAINE County
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T01S R19E S3, S4, S5, S8, S9, S10, S15, S16, S17, S20, S21

Application for permit proposes diversion of up to 82.0 cfs for ground water recharge from two points of diversion (POD) on the Big Wood River and a point of re-diversion located on the Bypass Canal. One POD (District 45 Canal) is located approximately 0.6 mile north and 0.3 mile west of the intersection of Highway 75 and the Gannett Picabo Road in Bellevue. The second POD (Bypass Canal) is located approximately 1.8 miles south and 0.2 mile west of Bellevue, with a point of re-diversion (Baseline Canal) located approximately 4.3 miles south and 0.2 mile west of Bellevue. The proposed place of use (POU) is located approximately 3.0 to 9.3 miles south and 1.0 to 4.0 miles east of Bellevue, where ground water recharge will be accomplished by diverting water into recharge sites. This application proposes to appropriate trust water and will be evaluated in compliance with Section 42-203C, Idaho Code, and IDWRs Water Appropriation Rules, IDAPA 37.03.08.

Hollie K Posey, being duly sworn, deposes and says, I am the Legal Clerk of the Tribune Publishing Company, a corporation organized and existing under and by virtue of the laws of the State of Idaho and under and by virtue of the laws of the State of Washington, publishers of the Lewiston Tribune, a newspaper of general circulation published at Lewiston, Nez Perce County, Idaho; That the said Lewiston Tribune is an established newspaper and has been published regularly and issued regularly at least once a day for more than 105 consecutive years next immediately preceding the first publication of this notice, and has been so published uninterrupted for said period; that the 157405 The foll attached hereto and which is made a part of this affidavit was published in the said Lewiston Tribune, 2 time(s). Publication being on 03/19, or once a Week for 2 consecutive Week, the first publication thereof being on the 03/19/2020, and the last publication thereof being on the 03/26/2020, and said 157405 The foll was so published in the regular and entire issue of said newspaper and was not in a supplement thereof and was so published in every issue and number of the said paper, during the period and times of publication as set forth above.

Hollie K Posey

State of Idaho
S.S.
County of Nez Perce

On this 27 day of March in the year of 2020, before me, a Notary Public, personally appeared Hollie K Posey, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Teresa M Nity
Notary Public in and for the State of Idaho,
residing at Lewiston, therein
Commission Expires 1/23/22



✓ Am 4/1/2020

✓ 43-13881

ADTD FARMS LLC
2500 OVERLAND AVE
BURLEY, ID 83318-2941

Point of Diversion SWSE S18 T11S R27E CASSIA County

Source RAFT RIVER Tributary SNAKE RIVER

Use: GROUND WATER RECHARGE 01/01 to 12/31 25 CFS

Total Diversion: 25 CFS

Date Filed: 02-20-2020

Place Of Use: GROUND WATER RECHARGE

T11S R27E S18 NWSE, SWNE, SWSE

Application for permit proposes diversion of up to 25.0 cfs for Ground Water Recharge from Raft River at a point approximately 10.5 miles north and 1.5 miles east of Malta. Recharge is proposed in an area located adjacent to the point of diversion.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact the Southern office at (208)736-3033; or for a full description of the right(s), please see <https://idwr.idaho.gov/apps/ExtSearch/WRAApplicationResults/>. Protests may be submitted based on the criteria of Idaho Code 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Southern Region, 650 ADDISON AVE W STE 500, TWIN FALLS ID 83301-5858 together with a protest fee of \$25.00 for each application on or before April 6, 2020. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published in Idaho Mountain Express on March 18th & 25th, 2020 & Times News, Idaho Statesman, Lewiston Tribune, Post Register on March 19th & 26th, 2020

✓ sm 4/1/2020