



**OREGON WATER RESOURCE DEPARTMENT
WATER CONSERVATION, REUSE AND STORAGE
FEASIBILITY STUDY GRANT PROGRAM**

I. Grant Information

Study Name: *Abbie Lane Lateral Improvement*

Type of Feasibility Study: Water Conservation Reuse Above-Ground Storage
 Storage Other Than Above-Ground [Including Aquifer Storage and Recovery (ASR)]

Program Funding Dollars Requested: \$ 8,778.⁰⁰ Total Cost of Feasibility Study: \$ 8,778.⁰⁰
Note: Request may not exceed \$500,000

II. Applicant Information

Applicant Name: <i>Rosie Falcon</i>	Co-Applicant Name:
Address: <i>93 Champlin Lane</i> <i>Gold Hill OR 97525</i>	Address:
Phone: <i>541-621-9079</i>	Phone:
Fax:	Fax:
Email: <i>n3ivo@aol.com</i>	Email:

Principle Contact: <i>Rosie Falcon</i>
Address: <i>93 Champin Lane</i> <i>Gold Hill OR 97525</i>
Phone: <i>541-621-9079</i>
Fax:
Email: <i>n3ivo@aol.com</i>

Certification:

I certify that this application is a true and accurate representation of the proposed work for a project feasibility study and that I am authorized to sign as the Applicant or Co-Applicant. By the following signature, the Applicant certifies that they are aware of the requirements of an Oregon Water Resources Department grant, have read and agree to all conditions within the sample grant agreement and are prepared to conduct the feasibility study if awarded.

Applicant Signature: *Rosemary Z. Falcon* Date: *1-29-16*
Print Name: *Rosemary Falcon* Title: _____

III. Feasibility Study Summary

Please give a brief summary of the feasibility study using no more than 150 words.

We will study the water losses in conveyance and the options for improving the infrastructure of the Abbie Lane Lateral that provides irrigation water to 13 patrons of the Gold Hill Irrigation District. Water diverted from the Gold Hill Irrigation District main canal runs through alternating sections of open ditch and degrading piping, losing substantial amounts of water to leakage, seepage, animal burrows, and evaporation. Enough water is lost in conveyance that some landowners with valid water rights do not get enough water to irrigate at all. Subdivision of the tax lots within the community has pushed the lateral into inefficient routes that make it difficult to control the flow of water to prevent flooding of structures and other non-agricultural land. The results of this study will inform the patrons of their options to improve the system and the economic, environmental, and social benefits of those options.

Letters of
support from
residents and
local irrigation
district
sent separately

IV. Grant Specifics

Section A. Common Criteria

Instructions: Please answer all questions contained in this section. It is anticipated that completed applications will result in additional pages.

1. Describe your goal and how this study helps to achieve the goal.

Our goal is to determine the feasibility of improving the conveyance of water to the patrons of the Abbie Lane Lateral through the installation of a closed pipe system or alternative methods of improvement as recommended by irrigation experts.

At this time the optimal route of such a pipe system has not been determined, and the costs/benefits of installing a closed pipe versus other methods of improving the water conveyance have not been determined. Observations made in the recent past by representatives of multiple public agencies involved in water management have established that the Abbie Lane Lateral in its current state fails to deliver the allotted amount of water to a number of the patrons of the lateral and concurrently results in a significant amount of water loss or waste due to leakage, sometimes resulting in flooding of adjacent properties and potential damage to properties. However, the actual amount of water delivered to specific patrons has not been quantized, and the amounts and locations of water loss have not been accurately established.

Thus, our goal involves determining how much water patrons are actually receiving, determining where water is lost and determining the amounts lost, and developing the technical details of a proposal to improve the conveyance of water by the Lateral based on the data obtained through this grant and with the advice of irrigation specialists.

Multiple attempts have been made within the past year by patrons of the lateral to obtain advice and estimates from irrigation contractors regarding this project. To date, no irrigation experts or contractors have responded. With funding from this grant, expert advice regarding how to improve the lateral and bids on improving the lateral can be obtained.

2. Describe the water supply need(s) that the proposed project addresses. Identify any critical local, regional, or statewide water supply needs that implementation of the project associated with the feasibility study will address. **Responses should rely upon solid water availability and needs data/analysis.** For examples of water supply needs see "Criteria and Evaluation Guidance Document."

Properties located along the Abbie Lane Lateral are entitled to irrigate a total 38 acres between the 13 patrons from the Gold Hill Irrigation District for agricultural use (growing crops and raising livestock). These properties, however often do not receive their full allotment of irrigation water, and the delivery of the water is inefficient with uneven flow due to the condition of the conveyance system. This study will address upgrading the conveyance so that these properties can receive the allotted water regularly and without significant water waste.

3. Explain how the proposed project will meet the water supply need(s), and indicate what percentage of that need will be met. (For example: If your water supply need is 20,000 acre-feet of additional water and the project will supply 10,000 additional acre-feet, 50 percent of your need will be met).

The goal here would be to supply 100% of the allotted water to the properties. No additional water is required by the Abbie Lane patrons.

4. Describe the technical aspects of the feasibility study and why your approach is appropriate for accomplishing the specific study goals and objectives.

The findings of the feasibility study would determine the amount of water lost in the current conveyance system, the best location for water to be diverted from the Gold Hill Irrigation District ditch to the Abbie Lane

Lateral, the optimal route for laying pipe, determination of whether or not easements would be needed and where such easements would be required, the sized and elevation of such pipe, establishing control points and methods for managing water flow, and outlining needs for ongoing maintenance of the flow after project completion (screens, cleaning schedule, access for maintenance, etc.).

5. Describe how the feasibility study will be performed. Include:
 - a. General summary statement that describes the study progression.
 - b. When the feasibility study will begin.
 - c. Listing of key tasks to be accomplished with each task having:
 - i. Title
 - ii. Timeline for completion
 - iii. Description of the activities to be performed in this key task
 - iv. Description of the resources necessary for accomplishing the key task

Example:

- (i) Streamflow measurement;
- (ii) September-April;
- (iii) Weekly streamflow measurements will be performed to gather hydrographic data for the hydrologic analysis to take place in May;
- (iv) A technician will be hired to perform the streamflow measurements.

(Key tasks listed here are to be placed in Section VI, Project Feasibility Study Schedule for a quick reference “graphical” representation of the schedule.)

JSWCD will begin the feasibility study by taking measurements of the current losses of irrigation water in conveyance and identification of the location of those losses. Knowing where the largest losses occur will help with designing a new system. Then we will work with JSWCD and other irrigation experts to design several alternatives to the current system, what they cost and how much water they save. We will present these options to the patrons and allow them to decide which option they wish to proceed with.

(i) Conveyance measurements

(ii) May through July 2016

(iii) Measurements taken during the irrigation cycle of the open channel, flow through pipe, control boxes and turnouts, and develop a set of data quantifying volume and location of losses

(iv) JSWCD

(i) Designs and estimates

(ii) July through December 2016

(iii) Meeting with area contractors, sharing data gathered about the needs of the patrons, proposing various solutions, getting agreement from the patrons on what designs to move forward with.

(iv) Contractors in conjunction with JSWCD staff with input from the Abbie Lane patrons

(i) Securing funding

(ii) October through April 2016-2017

(iii) Request project funding from local, state, federal agencies where appropriate, develop funding package for approval from the Abbie Lane patrons

(iv) Project sponsor with assistance from JSWCD

(i) Implementation

(ii) October through April 2017-2018

(iii) Trenching for new pipeline, construction of new turnout, integration with existing on farm irrigation systems

(ic) Designated contractor(s)

6. Please provide the following data and information for the proposed project and the project's sources of water supply:

- a. The location of the proposed project. Include the basin, county, township, range and section. Attach a map that identifies the project's implementation area to this application.

This project lies in two sub-watersheds, Rogue River/Sardine Creek and Foot's Creek, though Sardine Creek flows into the Rogue far upstream from the project location. Both watersheds lie in the Rogue River/Gold Hill Watershed, Middle Rogue sub-basin, and the Southern Oregon Coastal basin. The project includes sections 36S 4W, Section 26 and 36S, 4W, Section 35 (See included maps).

- b. The name(s) and river mile(s) of the source water and what they are tributary to, if applicable.

Gold Hill Irrigation District diverts water for their patrons from a diversion structure between river mile 122 and 123 of the Rogue River.

- c. Whether the project will be off-channel or on-channel (for above-ground storage only).

This project conserves water from an off-channel water source.

- d. Water availability to meet project storage. For above-ground storage the Department typically evaluates availability using a 50 percent exceedance water availability analysis.

Gold Hill Irrigation District provides irrigation water to the patrons of the Abbie Lane lateral. Their irrigation conveyance system adequately carries the water righted to the lateral turnout, but the private conveyance system cannot carry water through the system to the water right holders. The study may reveal a potential water savings or landowners who do not wish to use their water right for irrigation and may be interested in leasing water in stream.

- e. Proposed purposes and/or uses of conserved or stored water.

Irrigation.

- f. Environmental flow needs and water quality requirements of supply source water bodies.

N/A

7. What local, state or federal project permitting requirements/issues/approvals do you anticipate in order for the feasibility study to be conducted? If approvals are required, indicate whether you have obtained them. If you have not obtained the necessary permits/governmental approval, describe the steps you have taken to obtain them. If no permits are needed, please provide explanation.

We do not foresee the need for any permits to conduct the feasibility study. We have landowner permission to survey the project sites as implied in the accompanying letters of support. Implementation permits will depend upon which project option provides the best value of water conservation verses economic demand. This could include landowner agreements for work performed on private land, agreements for tapping into adjacent private conveyance systems, and agreement from landowners without water rights adjacent to the local access roads maintained by the local landowners..

8. Describe the level of involvement, interest and/or commitment of local entities associated with the feasibility study. Describe how the feasibility study and/or proposed project will benefit/impact these entities. Attach letters of support if available.

Jackson Soil & Water Conservation District supports this project as part of their stated resource conservation goal of efficient irrigation water management. Jackson Soil & Water also values this project as an opportunity to show how individual community members can come together to achieve a goal beneficial to the community as a whole. The Gold Hill Irrigation District has also showed their support for the feasibility study as indicated in the accompanying letter of support. They have provided information regarding the flow diverted to the Abbie Lane patrons, a list of the patrons served by the lateral, and will be directly involved in the development of any project that stems from this feasibility study. For many years GHID has struggled with providing the Abbie Lane patrons their allotted water right. Since their ownership ends at the turnout to the lateral, they could not legally assist the patrons with their inefficient infrastructure. Providing landowners with an efficient irrigation water conveyance system would allow GHID to deliver Abbie Lane patrons the water they're paying for.

9. Identify when matching funds will be secured, from whom, and the dates of matching funds availability.

Matching funds from JSWCD for data collection and design are included in this application (see accompanying letter of support from JSWCD), available upon approval of the OWRD grant.

10. Provide a description of the relevant professional qualifications and/or experience of the person(s) that will play key roles in performing the feasibility study. If the personnel have not been decided upon, include a description of the professional qualifications and/or experience of the person(s) you anticipate will play key roles in performing the feasibility study.

Clint Nichols, the Rural Natural Resource Planner with the Jackson Soil & Water Conservation District, holds a B.S. degree in Environmental Studies from Southern Oregon University. He has 8 years of project management experience and 4 years working to implement natural resource conservation projects. Paul DeMaggio holds a B.S. degree in BioResource and Agricultural Engineering from Cal Poly State University. He has extensive experience using survey equipment to measure elevation, contours, and flow potential. He has designed several large scale irrigation projects in conjunction with the Natural Resources Conservation Service, and continues to work toward his Professional

Engineering certification. We plan to engage with local irrigation contractors that have implemented projects of this scale to obtain the most prudent implementation strategy for the Abbie Lane patrons.

11. If the project concept is ultimately deemed feasible, describe how the project will be implemented. Response should include a tentative funding plan for project implementation (e.g. other state or federally sponsored grant or loan programs) and the project proponent's track record in implementing similar projects.

If the feasibility study deems this project feasible, we would begin seeking funding from organizations and agencies interested in funding water conservation programs. The Jackson Soil and Water Conservation District Conservation Assistance Program funds projects that demonstrate water conservation and efficient irrigation water management. The Oregon Water Resource Dept.'s Water Project Grants & Loans program has in the past funded conveyance improvement projects with a portion of the conserved water leased in stream for beneficial use. We could also approach the Oregon Watershed Enhancement Board Small Grant Program for a grant that would similarly lease conserved water in stream for beneficial use. The landowners involved in this project understand that any amount not funded by grants would fall to them to finance at a rate equal the percentage of their share of the overall water right of the lateral. JSWCD has, in partnership with the NRCS, developed many large scale irrigation project that included piped irrigation conveyance systems. The Talent Irrigation District E12 Water Quality Improvement Project (documentation available from Talent Irrigation District or the NRCS field office in Central Point, OR) project in Talent converted a 4 mile section of open ditch to a pressurized pipe to potentially serve 26 patrons of TID. TID and the Bureau of Reclamation led the funding and design of the conveyance system improvement, with input and further funding from NRCS and JSWCD. NRCS and JSWCD also provided funding for on-farm water conservation projects, which JSWCD plans to do in conjunction with the Abbie Lane Lateral Improvement Project as well.

Section B. Unique Criteria

Instructions: Address the set of items below that applies to the type of feasibility study that this grant will fund.

Water Conservation or Reuse

1. Water Conservation or Reuse projects that are identified by the Department in a statewide water assessment and inventory receive a preference in the scoring process. Contact the Department's Grant Specialist to include your project on the inventory.
See attached OWRD Inventory Form.

2. Explain how the associated project will either: (a) mitigate the need to develop new water supplies and/or (b) use water more efficiently. Reference documentation and/or examples of the success of similar or comparable water conservation/reuse projects that would be available upon request.

The current conveyance system in place for the patrons in this community has multiple points of failure and loss. Leaks in pipes, fractures in control boxes, spillage over the sides of irrigation canals all result in a net loss of water to downstream users. We will learn during the feasibility study how much water the conveyance system loses due to failing infrastructure, but given the nature of typical alluvial soils, we estimate that seepage is a significant amount of loss to the system. While standing water loses more water to evaporation than moving water typically found in a conveyance canal, a portion of this system does create a some ponding in the canal as it tries to enter a debris choked pipe undersized for the its purpose, furthering the overall losses to the system. Piping the system would eliminate these losses.

The Talent Irrigation District E12 Water Quality Improvement Project (documentation available from Talent Irrigation District or the NRCS field office in Central Point, OR) proposed to pipe approx. miles of irrigation conveyance on the east side of Talent, Oregon, that served 26 landowners and approx. 500 acres under irrigated agricultural land. Upon completion of the project, approx. 60% of the targetted acreage is now served by pressurized irrigation water, and the conveyance no longer loses an estimated

150cfs due to atiquated infrastructure. Further, it is an example of how agencies, irrigation districts, and private landowners can collaborate to find solutions for all parties involved.

3. Provide a description of: (a) Local, state and/or federal permitting requirements and issues posed by the **implementation** of the project associated with the feasibility study and (b) property ownership status within the project implementation area. If permitting or other approvals are not needed please indicate and provide an explanation.

Implementation of any project that emerges out of this feasibility study would not require any federal, state, or local permits as all work occurs either on private land or on land maintained by GHID or by the local community. The landowners involved have already pledged their support to the project with the accompanying letters of support. Non-water right holders adjacent to privately maintained roads would need to be approached for projects involving construction within the road easements. Jackson County Roads Dept. must have access to these local access roads but other than this easement they do not regulate construction project on them. GHID has already pledged their support and would be involved if the proposed project involved moving the turnout location.

Above-Ground Storage

Please answer the following three questions **BEFORE** proceeding:

- | | | |
|--|------------------------------|-----------------------------|
| Will the project divert more than 500 acre-feet of surface water annually? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Will the project impound surface water on a perennial stream? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Will the project divert water from a stream that supports sensitive, threatened or endangered species? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

If you answered "Yes" to any of these questions, by signature on this application, you are committing to include the following required elements in your feasibility study.

Describe how you intend to address the required elements in your feasibility study:

- a) Analyses of by-pass, optimum peak, flushing and other ecological flows of the affected stream and the impact of the storage project on those flows.
- b) Comparative analyses of alternative means of supplying water, including but not limited to the costs and benefits of water conservation and efficiency alternatives and the extent to which long-term water supply needs may be met using those alternatives.
- c) Analyses of environmental harm or impacts from the proposed storage project.
- d) Evaluation of the need for and feasibility of using stored water to augment instream flows to conserve, maintain and enhance aquatic life, fish life and any other ecological values.

Is the proposed storage project for municipal use?

Yes No

If "Yes," then please describe how you intend to address the following required element in your feasibility study:

- e) For a proposed storage project that is for municipal use, analysis of local and regional water demand and the proposed storage project's relationship to existing and planned water supply projects.

Proceed in addressing the following items:

1. Describe to what extent the project associated with the feasibility study includes provisions for using stored water to augment instream flows to conserve, maintain and enhance aquatic life, fish life or other ecological values. Projects that include the above provisions receive preference in the scoring process.
2. Provide a review of: (a) Local, state and/or federal permitting requirements and issues posed by the **implementation** of the project associated with the feasibility study and (b) property ownership status within the project implementation area.

Storage Other Than Above-Ground [Including Aquifer Storage and Recovery (ASR)]

Please answer the following three questions **BEFORE** proceeding:

- Will the project divert more than 500 acre-feet of surface water annually? Yes No
- Will the project impound surface water on a perennial stream? Yes No
- Will the project divert water from a stream that supports sensitive, threatened or endangered species? Yes No

If you answered "Yes" to any of these questions, by signature on this application, you are committing to include the following required elements in your feasibility study.

Describe how you intend to address the required elements in your feasibility study:

- a) Analyses of by-pass, optimum peak, flushing and other ecological flows of the affected stream and the impact of the storage project on those flows.
- b) Comparative analyses of alternative means of supplying water, including but not limited to the costs and benefits of water conservation and efficiency alternatives and the extent to which long-term water supply needs may be met using those alternatives.
- c) Analyses of environmental harm or impacts from the proposed storage project.
- d) Evaluation of the need for and feasibility of using stored water to augment instream flows to conserve, maintain and enhance aquatic life, fish life and any other ecological values.

Is the proposed storage project for municipal use?

Yes No

If "Yes," then please describe how you intend to address the following required element in your feasibility study:

- e) For a proposed storage project that is for municipal use, analysis of local and regional water demand and the proposed storage project's relationship to existing and planned water supply projects.

Proceed in addressing the following items:

1. Underground storage projects that are identified by the Department in a statewide water assessment and inventory receive a preference in the scoring process. Contact the Department's Grant Specialist to include your project on the inventory.
2. Provide a review of: (a) Local, state and/or federal permitting requirements and issues posed by the **implementation** of the project associated with the feasibility study and (b) property ownership status within the project implementation area.

V. Match Funding Information

Applicants must demonstrate a minimum dollar-for-dollar match based on the total funding request. The match may include a) secured funding commitment from other sources, b) pending funding commitment from other sources, and/or c) the value of in-kind labor, equipment rental, and materials essential to the feasibility study. For secured funding, you must attach a letter of support from the match funding source that specifically mentions the dollar amount shown in the "Amount/Dollar Value" column. For pending resources, documentation showing a request for the matching funds must accompany the application.

In the "type" column below matching funds may include:	In the "status" column below matching funds may have the following status:
<ul style="list-style-type: none"> • Cash - Cash is direct expenditures made in support of the feasibility study by the applicant or partner*. 	<ul style="list-style-type: none"> • Secured - Secured funding commitments from other sources.
<ul style="list-style-type: none"> • In-Kind - The value of in-kind labor, equipment rental and materials essential to the feasibility study provided by the applicant or partner. 	<ul style="list-style-type: none"> • Pending - Pending commitments of funding from other sources. In such instances, Department funding will not be released prior to securing a commitment of the funds from other sources. Pending commitments of the funding must be secured within 12 months from the date of the award.

*"Partner" means a non-governmental or governmental person or entity that has committed funding, expertise, materials, labor, or other assistance to a proposed project planning study. OAR 690-600-0010.

Match Funding Source (if in-kind, briefly describe the nature of the contribution)	Type (✓ One)	Status (✓ One)	Amount/ Dollar Value	Date Match Funds Available (Month/Year)
<i>JSWCD Staff - data gathering and interpretation, technical specifications, design, presentations</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in-kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending	\$7,980	January 16
<i>Applicant - administration, paperwork, finance management</i>	<input type="checkbox"/> cash <input checked="" type="checkbox"/> in-kind	<input checked="" type="checkbox"/> secured <input type="checkbox"/> pending	\$798	January 16
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		
	<input type="checkbox"/> cash <input type="checkbox"/> in-kind	<input type="checkbox"/> secured <input type="checkbox"/> pending		

VI. Feasibility Study Schedule

Estimated Study Duration: April 1, 2016 to 11/30/2018

Place an "X" in the appropriate column to indicate when each Key Task of the project will take place.

Feasibility Study Key Tasks	2016			2017				2018 & Beyond
	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
<i>Present the OWRD decision on the feasibility grant application to the Abbie Lane patrons and discuss the study schedule</i>	X							
<i>Determine water losses due to seepage, leaks, evaporation</i>	X	X						
<i>Develop potential designs</i>		X						
<i>Collaborate with contractors to finalize design options</i>			X					
<i>Present design options to the Abbie Lane patrons and make a decision on what option to pursue</i>			X					
<i>Develop funding package</i>			X	X	X			
<i>Present funding package to the Abbie Lane patrons and make a decision to proceed</i>					X			
<i>Implement project</i>						X		
<i>Project completion</i>								X

- **Please Note:** Successful grantees must include all invoices and identify which key tasks are associated with each invoice when requesting financial reimbursement.

VII. Feasibility Study Budget

Section A

Please provide an estimated line item budget for the proposed feasibility study. Examples would include: labor, materials, equipment, contractual services and administrative costs.

Line Items	Number of Units* <i>(e.g. # of Hours)</i>	Unit Cost <i>(e.g. hourly rate)</i>	In-Kind Match	Cash Match Funds	OWRD Grant Funds	Total Cost
Staff Salary/Benefits	248	\$32.18	\$7,980			\$7,980
Contractual/Consulting	114	\$70.00			\$7,980	\$7,980
Equipment (must be approved)						
Supplies						
Other:						
Administrative Costs**	80	\$19.95	\$798		\$798	\$1,596
Total for Section A			\$8,778		\$8,778	\$17,556
Percentage for Section A			50%		50%	100%

* Note: The "Unit" should be per "hour" or "day" – not per "project" or "contract." $Units \times Unit\ Costs = Total\ Cost$

** Administrative Costs may not exceed 10 percent of the total funding requested from the Department

Section B

If grant amount requested is \$50,000 or greater, you **MUST** complete Section B. Key Tasks in Section B should be the same as the Key Tasks in Section VI (Feasibility Study Schedule).

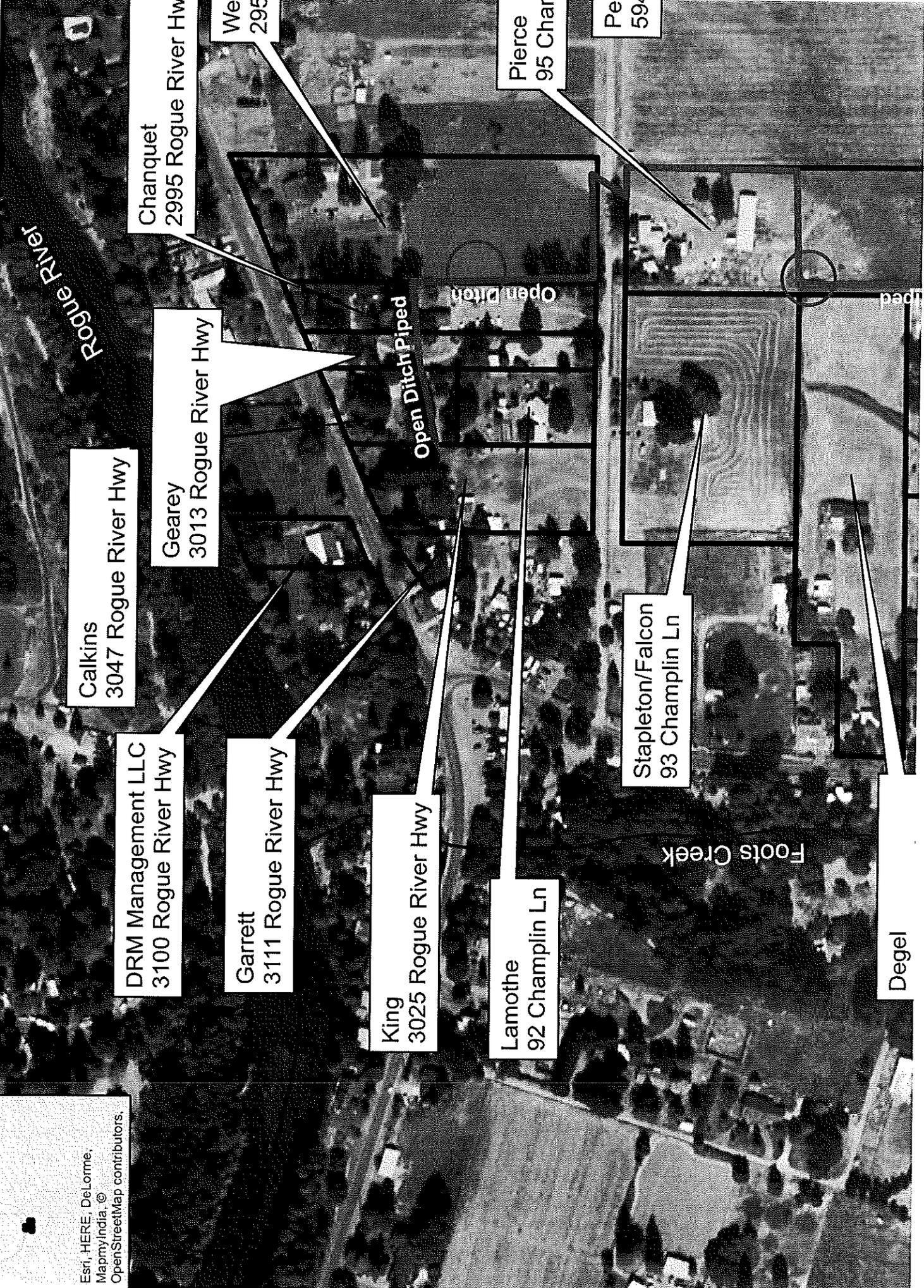
Feasibility Study Key Tasks	In-Kind Match	Cash Match Funds	OWRD Grant Funds	Total Cost
Total for Section B				

Totals in Section B must match the totals in Section A

Abbie Lane Lateral

Rogue River
Gold Hill

Esri, HERE, DeLorme,
MapmyIndia, ©
OpenStreetMap contributors.



Abbie Lane Lateral

36S 4W 26

36S 4W 27

36S 4W 26

ROGUE RIVER/S.

36S 4W 26

36S 4W 26

36S 4W 26

ROGUE RIVER/WARD CREEK WATERSHED

36S 4W 35

36S 4W 35

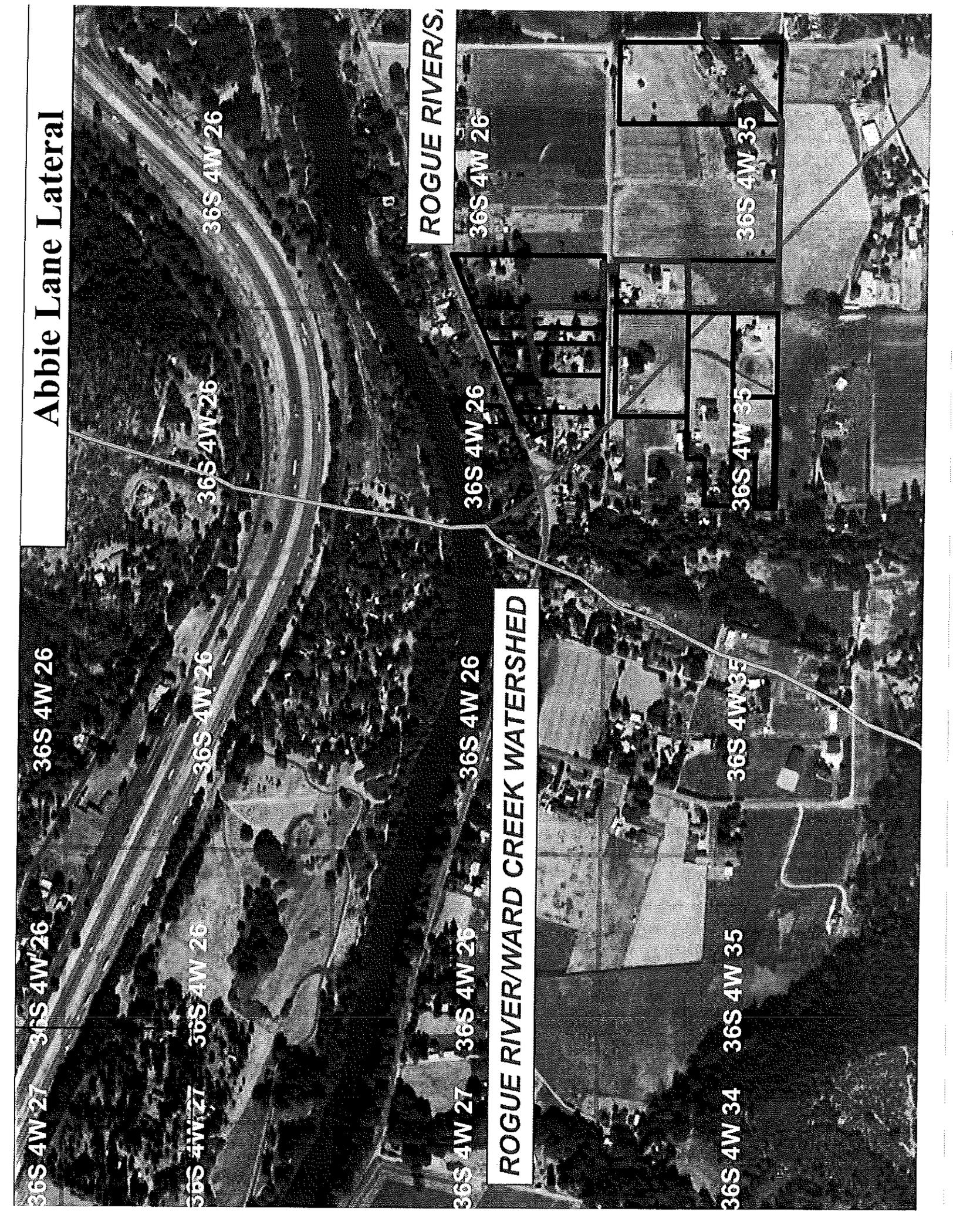
36S 4W 34

36S 4W 26

36S 4W 26

36S 4W 35

36S 4W 35



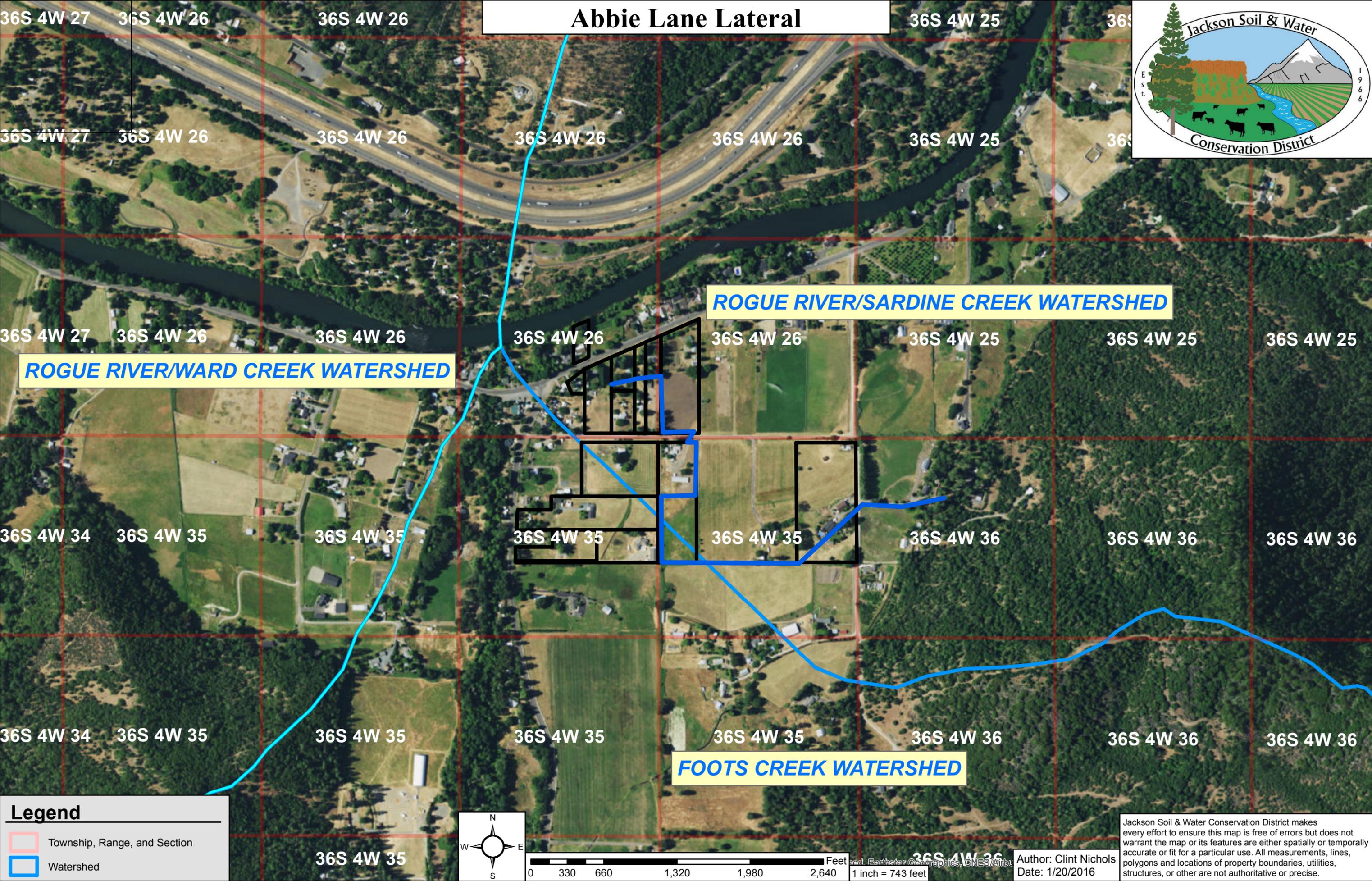
To add a project to the inventory of potential conservation opportunities, please provide the following information for each conservation project.

This is a <input checked="" type="checkbox"/> Capital Conservation Project <input type="checkbox"/> Programmatic Conservation Project	
Project #/Name	Abbie Lane Lateral Improvement
Project Description	Pipe private irrigation conveyance system consisting of approx. 1 mile of open canal/leaking pipe.
Estimated Future Savings	Unknown at this time, feasibility study will determine losses and potential conserved water
Seasonality	Peak season savings
Estimated Future Costs	Unknown at this time. Estimates based on similar projects could be as high as \$70,000
Implementation Schedule	Potential implementation 2017-2018 off-peak season
What are the barriers to implementation, e.g. funding?	Funding. Grant possibilities exist and will be leveraged.
This is a <input type="checkbox"/> Capital Conservation Project <input type="checkbox"/> Programmatic Conservation Project	
Project #/Name	
Project Description	
Estimated Future Savings	
Seasonality	
Estimated Future Costs	
Implementation Schedule	
What are the barriers to implementation, e.g. funding?	

- Include this form with your application -



Abbie Lane Lateral



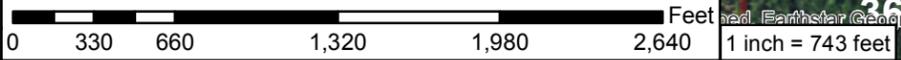
ROGUE RIVER/WARD CREEK WATERSHED

ROGUE RIVER/SARDINE CREEK WATERSHED

FOOTS CREEK WATERSHED

Legend

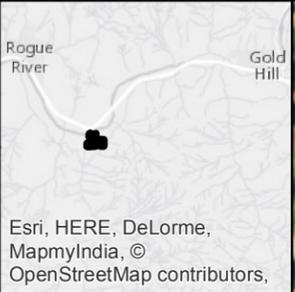
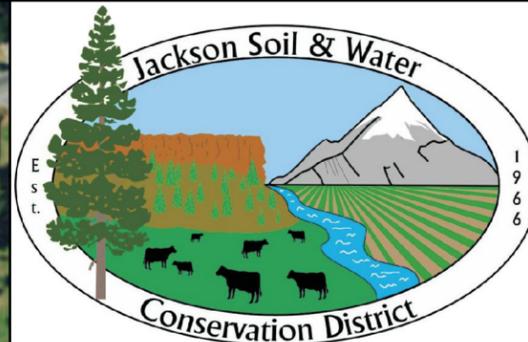
- Township, Range, and Section
- Watershed



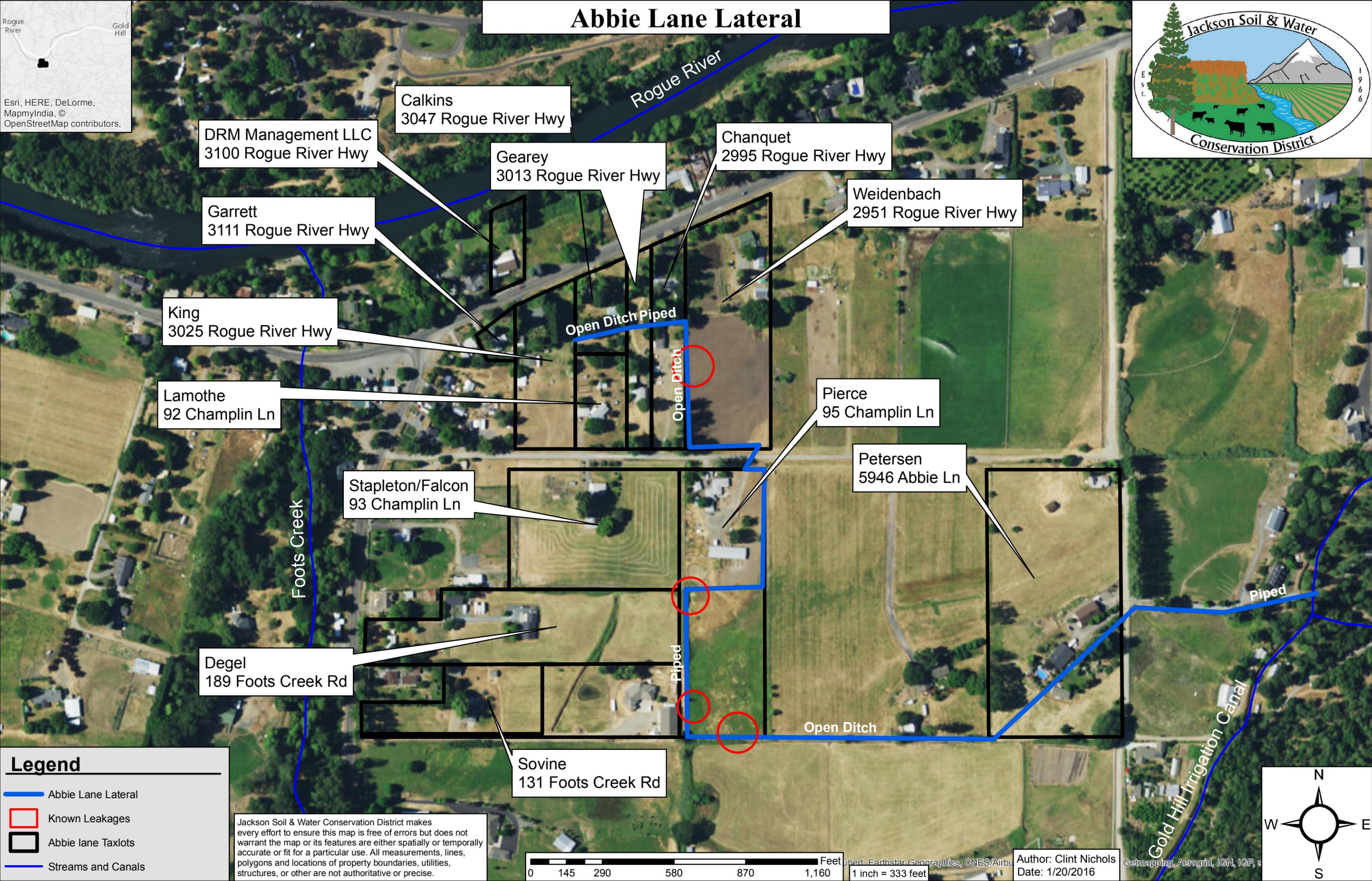
Author: Clint Nichols
Date: 1/20/2016

Jackson Soil & Water Conservation District makes every effort to ensure this map is free of errors but does not warrant the map or its features are either spatially or temporally accurate or fit for a particular use. All measurements, lines, polygons and locations of property boundaries, utilities, structures, or other are not authoritative or precise.

Abbie Lane Lateral



Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors,



Calkins
3047 Rogue River Hwy

Gearey
3013 Rogue River Hwy

Chanquet
2995 Rogue River Hwy

Weidenbach
2951 Rogue River Hwy

Garrett
3111 Rogue River Hwy

King
3025 Rogue River Hwy

Lamothe
92 Champlin Ln

Pierce
95 Champlin Ln

Stapleton/Falcon
93 Champlin Ln

Petersen
5946 Abbie Ln

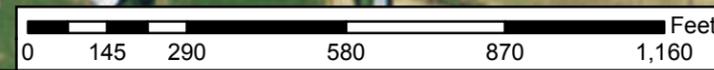
Degel
189 Foots Creek Rd

Sovine
131 Foots Creek Rd

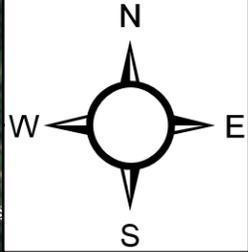
Legend

- Abbie Lane Lateral
- Known Leakages
- Abbie lane Taxlots
- Streams and Canals

Jackson Soil & Water Conservation District makes every effort to ensure this map is free of errors but does not warrant the map or its features are either spatially or temporally accurate or fit for a particular use. All measurements, lines, polygons and locations of property boundaries, utilities, structures, or other are not authoritative or precise.



Author: Clint Nichols
Date: 1/20/2016



GOLD HILL IRRIGATION DISTRICT

January 12, 2016

Jackson Soil & Water Conservation District
Attn: Clint Nichols, Rural Natural Resources Planner
89 Alder Street
Central Point, OR 97502

Dear Mr. Nichols,

At the regular Gold Hill Irrigation District's meeting held on January 6th, the Gold Hill Irrigation District strongly encourages the patrons of the Abbie Lane Lateral to upgrade the system in order to conserve water and its usage.

We applaud the efforts of the patrons to attempt to seek funding to do a feasibility study as to how best accomplish their goal and to continue to seek additional funding to upgrade the physical system.

The Directors and staff of the Gold Hill Irrigation District will be available for consultation with them for their project, i.e. head gate construction and location, is so needed.

Sincerely

Board of Directors
Gold Hill Irrigation District

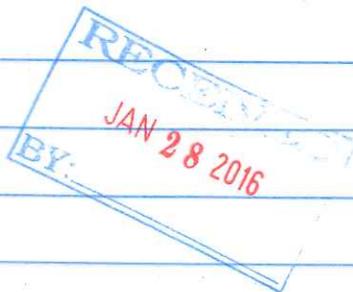
To
Jackson Soil & Water Conservation District

Dear Sir

Being a patron of the
Gold Hill Irrigation District it
is to my best interest to have
a study done to see if it is
possible to have a direct line to
the main canal. The ditches at
present are not maintained and
in poor condition

Sincerely

Ray Weidenbach
2951 Rogue River Hwy
Gold Hill, OK, 97525





Jackson Soil & Water Conservation District
89 Alder Street Central Point OR 97502
Telephone: 541-664-1070 Fax: 541-772-7471
www.jswcd.org

January 20, 2016

Oregon Water Resources Dept.
Attn: Grant Specialist
725 Summer Steet NE, Suite A
Salem, OR 97301

Dear Mr. Unger,

Jackson Soil & Water Conservation District (JSWCD) would like to offer support to the Gold Hill Irrigation District patrons served by the Abbie Lane lateral regarding the OWRD application, 'Abbie Lane Lateral Improvement.' JSWCD is committed to assisting landowners with efficient use of water. We were contacted by the patrons of the Abbie Lane lateral in the spring of 2015 and have been working with them since that time to find a solution to their inefficient irrigation water conveyance system. We believe that a feasibility study is an important step in helping the Abbie Lane patrons in deciding what course of action to take in improving their conveyance system, and commit to being a part of the eventual project that the patrons decide upon as a result of the feasibility study.

JSWCD supports the efforts of the patrons of the Abbie Lane lateral to improve their conveyance system to reduce water loss and can provide technical assistance to meet the goals of the project. JSWCD offers support and in-kind match in the form of staff time for technical assistance in the amount of \$7,980.

Sincerely,

Randy White
District Manager
Jackson Soil & Water Conservation District