

Name _____
 By _____
 Address _____
 Oregon Ranching Co. (Twin Buttes Ranch)
 62400 Paulina Hwy
 Post, OR 97752 R-88443

Application No. R 88443

Permit No. _____

Certificate No. _____

Date _____

DENIED _____

MISFILED _____

WITHDRAWN _____

CANCELLED _____

Volume _____ Page _____

FEES PAID

Date	Amount	Receipt No.
8-14-17	\$2,360.00	124289

Cert. Fee

FEES REFUNDED

Date	Amount	Receipt No.

Priority AUGUST 14, 2017

County CROOK WM# 11

RELATED FILES

ASSIGNMENTS

Date

To Whom

Address

DEVELOPMENT

Date

Completion _____

Extended to _____

Final Proof received _____

Proposed Cert. Mailed _____

REMARKS

DEQ Water Right ReviewBasin & Subbasin: *Deschutes Basin, Upper Crooked Subbasin*What are the names of the surface water source and the nearest receiving waterbody? *Davis Creek, tributary to Camp Creek*Requested water amount: *195 AF* Requested time period: *1/1-12/31*

The purpose of OAR Chapter 690, Division 33 is to aid the Oregon Water Resources Department (OWRD) in determining whether a proposed use will impair or be detrimental to the public interest with regard to listed sensitive, threatened, or endangered (ST&E) fish species. Oregon's stream temperature, dissolved oxygen, pH and several other standards are based on the life cycle needs of salmonids and other resident fish and aquatic life. Exceedances of the standards can disrupt the life cycle of a ST&E fish species and may even cause death. Refer to DEQ's Water Right Application Review Procedures document for additional information. In addition, OWRD must consider water quality impacts as part of a public interest review, OAR 690-310-0120. Note: Water quality impacts and conditions unrelated to ST&E species should be noted as "Division 310" in the recommendations to OWRD.

For Proposed Uses in the Columbia River Basin, reviews must determine whether a proposed use complies with existing state and federal water quality standards. Upper Columbia applications require applicants to provide evidence, when they apply, that the proposed use complies with existing state and federal water quality standards. Geographic scope: Columbia River Basin and any waterbody that ultimately drains into the Columbia River.

For Proposed Uses outside of the Columbia River Basin, reviews must determine whether a proposed use may affect

ST&E fish species habitat. Geographic scope: all other areas outside the Columbia River Basin geographic scope where OWRD determines ST&E fish species are present.

Upper and Lower Columbia

Based on the review completed below, does the proposed use comply with existing state and federal water quality standards or may conditions be applied to bring the use into compliance? ☐ No ☒ Yes

List the conditions, mitigation or restrictions required for the proposed use to comply with existing state and federal water quality standards whenever possible; if no conditions can be recommended to meet the standards, write "none":

- 1) *Period of use: Water withdrawal is limited to November 1st to March 31st.*
- 2) *An outlet pipe shall be constructed at the bottom of the dam to allow releases. Releases shall not be made unless ordered by OWRD or other government entity.*
- 3) *A bypass shall be constructed to bypass live flow outside of the storage season. The bypass channel must include a headgate and weir or other appropriate flow management and measurement devices.*
- 4) *Best management practice recommendation: The applicant proposes to use the reservoir for recreation uses. Therefore, it is recommended that when algae blooms occur, the water should be tested for algal toxins.*

Statewide

Will the proposed use result in water quality impacts that will cause either "loss" or "net loss" of essential habitat of ST&E fish species? ☐ No ☐ Yes

What conditions are recommended so that the proposed use will not result in “loss” or “net loss” of essential habitat of ST&E fish species? If conditions cannot be recommended to protect water quality to meet the standards of either “loss” or “net loss”, write “none”.

DEQ review prepared by: *Smita Mehta*

Date prepared: *6/25/18*

ODA review requested: ☒ No ☐ Yes Date review sent to ODA:

ODA reviewer: ODA review date: Comments:

THE SECTION BELOW IS FOR DEQ INTERNAL USE ONLY

1. DEQ’s antidegradation policy (OAR 340-041-0004) is designed to protect water from further degradation from new or increased sources of pollution and protects, maintains, and enhances surface water quality to protect existing beneficial uses. Oregon’s Antidegradation rule states that certain uses are allowed without an antidegradation review.

Is the proposed activity a temporary use in response to an emergency, a restoration activity that the Department of Environmental Quality has determined provides a net ecological benefit, or a temporary use to protect human health and welfare (less than six months), for which the applicant has demonstrated that they will minimize adverse effects to threatened and endangered species?

☒ No. ☐ Yes. Approve application and identify conditions necessary to protect the water quality for the habitat of ST&E fish species.

2. Will the proposed activity result in a permanent withdrawal directly from the **Outstanding Resource Water** with critical habitat for ST&E fish species?

☒ No. ☐ Yes. Describe how the use does or does not comply with existing state and federal water quality standards and how the use may affect ST&E fish species habitat. Consider if water quality can be protected by modifying the use volume, season of use, or other permit conditions. Select appropriate condition from the conditions list. Flow mitigation is likely needed to maintain ORW.

3. Is this source **Water Quality Limited** water or tributary to a water quality limited water (limit downstream review to 6th field HUC) for parameters that are commonly affected by flow (temperature, dissolved oxygen, pH, etc.)?

☒ No ☐ Yes. Describe how the use does or does not comply with existing state and federal water quality standards and how the use may affect ST&E fish species habitat. Consider if water quality can be protected by modifying the use volume, season of use, or other permit conditions. Select appropriate condition from the conditions list. Flow mitigation is likely needed to maintain water quality conditions during season of impairment.

Table 1: Integrated Report/ 303(d) listings

Water Body (Stream/Lake)	River Miles	Parameter	Season	Criteria	Beneficial Uses	Status

To determine, select the effective Integrated Report at: <http://www.oregon.gov/deq/wq/Pages/2012-Integrated-Report.aspx> and under Listing Status, select "Water Quality Limited – All (Categories 3B, 4, and 5)". May also document existing water quality data that may not be included in the integrated report.

4. Is a **Total Maximum Daily Load** established for parameters identified as being affected by hydromodification?

☒ No ☐ Yes. *List TMDL and identify the load allocation and if hydromodification is a limiting factor.*

Describe how the use does or does not comply with existing state and federal water quality standards and how the use may affect ST&E fish species habitat. Consider if water quality can be protected by modifying the use volume, season of use, or other permit conditions. Select appropriate condition from the conditions list. Flow mitigation is likely needed to maintain water quality conditions during season of impairment.

5. Is it likely that the cumulative withdrawals in the Water Availability Basins (WAB), including the proposed activity, will result in a lowering of water quality that will impair ST&E species habitat?

☐ No ☒ Yes. Describe how the use does or does not comply with existing state and federal water quality standards and how the use may affect ST&E fish species habitat. Consider if water quality can be protected by modifying the use volume, season of use, or other permit conditions. Select appropriate condition from the conditions list. Flow mitigation may be considered. *Table 2 shows that given the current water allocation in the Water Availability Basin, streamflow is significantly diminished April through October. During these months, the percent of natural flow that remains instream is diminished to the extent that ecological harm is likely occurring. Any additional reduction in streamflow in November through March may exacerbate the ecological harm caused by the diminished flows.*

Consider the cumulative impact of consumptive withdrawals in the OWRD WAB.

- Open OWRD's Water Availability Reporting System.
- Search for the water availability basin of interest. Select 50% exceedance, this represents that the calculated mean monthly flow, "natural flow", will be available 50% of the time.
- After the water availability report is generated, select the highest nesting order WAB that contains the POD.
- Download to Excel. To calculate "percent of flow" divide the "consumptive use" by the "natural stream flow" and multiply by 100. You may choose to add the consumptive portion or storage amount of the proposed use.

Table 2. Percent of natural flow. Monthly flow in Cubic Feet per Second (CFS). Annual flow in Acre Feet (AF).

Camp Creek > Crooked River at mouth, Deschutes Basin

Month	Natural Stream Flow (cfs)	Consumptive Uses and Storages (cfs)	Expected Stream Flow (cfs)	% of Flow Withdrawn
JAN	10.3	1.75	8.55	17%
FEB	21.6	3.66	17.94	17%
MAR	29.5	8.56	20.94	29%
APR	23.2	11.1	12.1	48%
MAY	9.61	18	-8.39	187%
JUN	5.06	14.2	-9.14	281%
JUL	2.67	4.29	-1.62	161%
AUG	1.84	2.26	-0.42	123%

SEP	2.77	2.48	0.29	90%
OCT	5	1.81	3.19	36%
NOV	7.09	1.21	5.88	17%
DEC	9.34	1.59	7.75	17%

In making the determination, all water withdrawals in a water availability basin should be considered. Consider the percent of natural flow left instream in each month (see right-most column in Table 1). Based on best professional judgment, evaluate if the cumulative withdrawal is likely to cause impairment to aquatic life or water quality. Water quality standards are established to protect aquatic life.

Antidegradation rule applies, 340-041-0004: Withdrawals cannot cumulatively increase a waterbody's temperature by more than 0.5 degrees Fahrenheit or cause a 0.1 mg/l decrease in dissolved oxygen from the upstream end of a stream reach to the downstream end of the reach so long as it has no adverse effects on threatened and endangered species. See OAR 340-041-0004(3)-(5) for a description in rule of activities that do not result in lowering of water quality.

In scientific literature, researchers have identified ecological harm occurring when flows are reduced by >6-35% of daily flow¹. Consider the seasonality of any listings and season of withdrawal to determine impact for each month of the year.

Consider if hydromodification, due to cumulative withdrawals, is likely a limiting factor in the waterbody at certain times of the year. Temperature and dissolved oxygen are flow-related parameters. When streamflow is reduced, assimilative capacity is reduced. As a waterbody heats up, dissolved oxygen concentrations decline. By reducing stream flows (or groundwater recharge and resulting streamflow), it is likely to exacerbate the temperature and/or dissolved oxygen impairments.

Increases in temperature or a reduction in dissolved oxygen adversely impacts ST&E fish. Fish require different temperature and concentrations of dissolved oxygen based on species and life history stage. Oregon's temperature and dissolved oxygen limits are based on the most sensitive species and the life history stage of those species at the location and season of concern. Additional heat or reduction in dissolved oxygen concentrations will further impact these species habitat. Reduced flows can also increase the concentrations of phosphorous, bacteria, pesticides and metals.

6. Is the use in compliance or can compliance with state and federal water quality standards be assured and ST&E habitat loss prevented by modifying the amount diverted, season of use, or by imposing permit condition(s)?

☐ No. ☒ Yes. Select appropriate condition from the conditions list. *Period of use: Water withdrawal is limited to November 1st to March 31st.*

If no, can flow mitigation be implemented to ensure compliance with state and federal water quality standards and prevent loss of ST&E habitat?

☐ No. ☐ Yes.

¹ Richter BD, Davis MM, Apse C, Konrad C. 2011. *Short Communication, A Presumptive Standard For Environmental Flow Protection*. River Research and Applications. Published online in Wiley Online Library (wileyonlinelibrary.com), DOI: 10.002/rra.1551

7. ORS 468B.025 prohibits pollution of waters of the state. Is there potential that the post diversion use (handling or water management) will degrade surface water or groundwater quality? (Example: release of thermally degraded stored water.) Or are there additional water-quality impairments that would result from this proposed use?

☐ No ☒ Yes. Provide basis for conclusion and note if the impacts would impact fish habitat: *The applicant intends to use the reservoir for fish culture and wildlife uses. Exposed stagnant water has the potential to warm significantly, resulting in temperatures and dissolved oxygen levels that do not support fish use. Potentially harmful algal blooms may also occur. Any warm season release from the reservoir into Davis Creek or Camp Creek could result in warm, low dissolved oxygen water instream which would degrade fish habitat.*

8. Can permit conditions be implemented to prevent water quality degradation?

☒ Yes. Select conditions from the conditions list. Send review to ODA if conditions are recommended for agricultural use.

5) *An outlet pipe shall be constructed at the bottom of the dam to allow releases. Releases shall not be made unless ordered by OWRD or other government entity.*

6) *A bypass shall be constructed to bypass live flow outside of the storage season. The bypass channel must include a headgate and weir or other appropriate flow management and measurement devices.*

7) *Best management practice recommendation: The applicant proposes to use the reservoir for recreation uses. Therefore, it is recommended that when algae blooms occur, the water should be tested for algal toxins.*

☐ No. Provide basis for conclusion:

CONDITIONS

Reviewer may modify stock condition language to meet site and project needs.

Flow Mitigation. DEQ recommends that the applicant shall mitigate anticipated impacts to water quality for the habitat of ST&E fish species by providing suitable replacement water. Additional mitigation may be required from other IRT members (example: OWRD may require mitigation for periods when water is not available). Surface flow mitigation is unlikely to provide the same benefit groundwater provides to gaining stream reaches. However, if groundwater mitigation is unavailable within the same aquifer, surface water mitigation will provide suitable mitigation.

Mitigation obligation: Prior to water use under this permit, the applicant shall provide mitigation water that is of no less volume than the permitted use. Mitigation water shall be sourced upstream of the point of appropriation, or the uppermost point on the stream at which Potential for Surface water Interference occurs. If surface water is used for mitigation, it shall be instream for the *month - month time period* and of similar water quality. The applicant should contact their OWRD caseworker to discuss flow mitigation options.

Reduced Withdrawal: Water withdrawal is limited to *Enter CFS or AF for the defined period, or a month by month rate or volume.*

Period of Use: Water withdrawal is limited to the period: *start date through end date.*

Limit Withdrawal: No water shall be diverted under this right unless the flow in the *waterbody name* is at or above *CFS* cubic foot per second, as determined at Gaging Station ID

Riparian If the riparian area is disturbed in the process of developing a point of diversion, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with the Oregon Department of Fish and Wildlife's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. Prior to diversion of water, the permittee shall submit a Riparian Mitigation Plan approved in writing by ODFW unless ODFW provides documentation that riparian mitigation is not necessary. The permittee is hereby directed to contact the local ODFW Fish Biologist prior to diverting water.

Pond releases: Permittee shall not release polluted off-channel stored water into waters of the state, unless under emergency situations. For routine maintenance, the Permittee shall land apply stored water or provide treatment prior to releasing it *include dates when releases are allowed*. Permittee shall comply with OAR 340-041 and ensure that water-quality standards are not violated by releases from storage.

Pond construction: Permittee must construct pond off channel, *identify waterbody and set back to prevent stream capture and justification for distance selected*.

Reservoir Flow Releases: To prevent pollution downstream the permittee shall not discharge water from the reservoir when the flow at Gaging Station ID _____ (*gage name*) is below Mean Daily Discharge of *CFS* (discharge which was equaled or exceeded for 90% percent of the time) except when release is directed by the State Engineer to prevent dam failure.

Lining: Permittee must line the pond with *include material or allowable infiltration rate* to minimize seepage and protect groundwater quality per OAR 340-040. The liner is to be in place and inspected and approved in writing by the DEQ prior to storage of water.* If the liner fails, it must be replaced within one calendar year.

Water Quality: The use may be restricted if the quality of the source stream or downstream waters decreases to the point that those waters no longer meet existing state or federal water-quality standards.

Prohibited Activities: Permittee may not cause pollution of any waters of the state, or place or cause to be placed any wastes in a location where such wastes are likely to escape or be carried into the waters of the state by any means, per ORS 468B.025(1). If the Department of Environmental Quality determines that pollution of waters of the state is occurring, the permit holder is not in compliance with ORS 468B.025(1), DEQ shall notify OWRD of the violation.

Agricultural Water Quality Management Area Rules: Permittee must comply with basin-specific Agricultural Water Quality Management Area Rules in OAR 603-095. Livestock management and cropping must protect riparian areas on the property, allowing site capable vegetation along streams to establish and grow to provide the following functions: shade (on perennial and some intermittent streams), bank stability, and infiltration or filtration of overland runoff. Active management of livestock and/or a livestock exclusion fence is needed to protect riparian areas and provide the required functions.

Live Flow: Once the allocated volume has been stored, all live flow must be passed downstream at a rate equal to that of the inflow in a method that protects instream water quality.

Site-Specific Condition:

* OAR 690-410-0010(2)(a), OAR 690-310-0120, OAR 690-310-0140

WATERMASTER DIVISION 33 APPLICATION WORK SHEET

Recommendations for Water Right Applications that may affect the
Habitat of Sensitive, Threatened or Endangered Fish Species, OAR 690-33-310 through 340.

Application #: **R 88443**

Applicant's Name: Oregon Ranching Co.

1) Does the affected surface water source flow above ground in a defined channel into another water body?

☒ YES ☐ NO ☐ SOMETIMES; between and

2) Does the affected surface water source ever go dry in the area of the proposed diversion? ☒ YES ☐ NO

3) To your knowledge, has the affected surface water source of water been regulated because of insufficient flow to satisfy existing water rights including instream water rights? ☐ YES ☒ NO

If YES, please explain:

4) Do you agree with the specified water availability, and the recommended period of use? ☒ YES ☐ NO ☐ I DON'T KNOW

If NO, please explain:

5) Did you discuss this application with staff from another agency? ☒ YES ☐ NO

Who: Brett Hodgson Agency: ODFW Date: 2013

6) If the Initial Review is unfavorable, is mitigation an option? ☒ YES ☐ NO

If YES, please explain:

7) What conditions do you recommend? All the measurement conditions in the IR are adequate for my concerns.

8) Your recommendation under OAR 690-033-0330 (2):
☒ Approval with conditions
☐ Approval without conditions
☐ Denial

Watermaster Signature: Jeremy Giffin Date: 9/26/17

WRD Contact: Caseworker: Scott Grew Water Rights Division, 503-986-0900 / Fax 503-986-0901

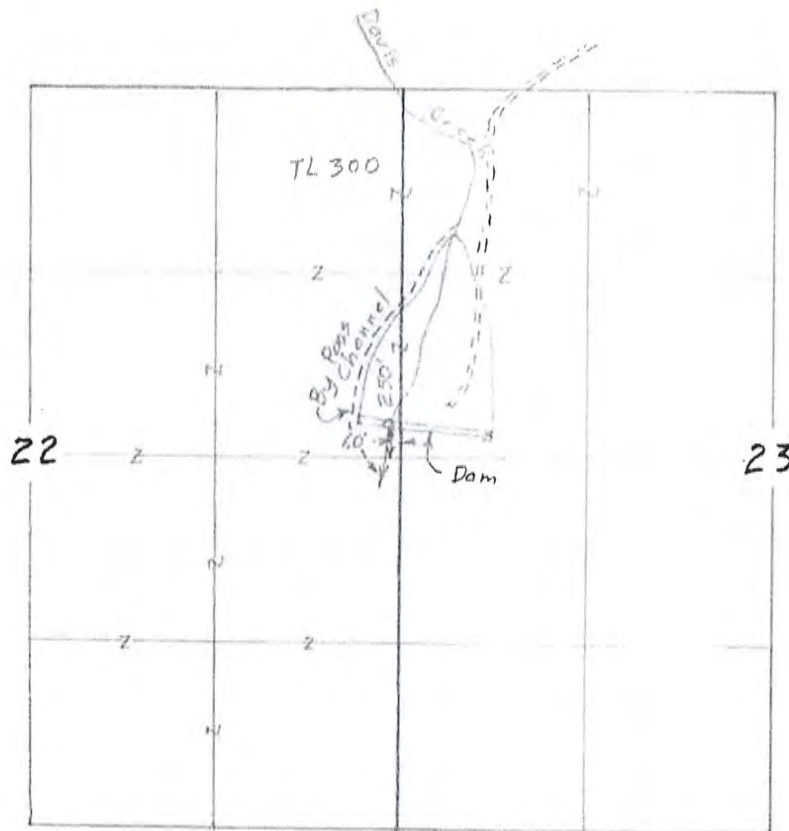
MENU OF CONDITIONS FOR WRD, ODFW, DEQ AND AG

The following condition will be included in any permit issued unless ODFW explicitly requests that it be omitted:

The permittee shall not construct, operate or maintain any dam or artificial obstruction to fish passage in the channel of the subject stream without providing a fishway to ensure adequate upstream and downstream passage for fish, unless the permittee has requested and been granted a fish passage waiver or exemption through the Oregon Department of Fish and Wildlife. The permittee is hereby directed to contact an Oregon Department of Fish and Wildlife Fish Passage Coordinator before beginning construction of any in-channel obstruction.

- fishself** The permittee shall install, maintain, and operate fish screening and by-pass devices consistent with current Oregon Department of Fish and Wildlife (ODFW) standards. Fish screening is to prevent fish from entering the proposed diversion while by-pass devices provide adequate upstream and downstream passage for fish. The required screen and by-pass devices are to be in place and functional prior to diversion of any water. Permittee shall obtain written approval from ODFW that the installation of the required screen and by-pass devices meets the state's criteria or the permittee shall submit documentation that ODFW has determined screens and/or by-pass devices are not necessary.
- fishapprove** The permittee shall install, maintain, and operate fish screening and by-pass devices consistent with current Oregon Department of Fish and Wildlife (ODFW) standards. Fish screening is to prevent fish from entering the proposed diversion while by-pass devices provide adequate upstream and downstream passage for fish. The required screen and by-pass devices are to be in place and functional, and approved in writing by ODFW prior to diversion of any water. The permittee may submit evidence in writing that ODFW has determined screens and/or by-pass devices are not necessary.
- fishdiv33** If the riparian area is disturbed in the process of developing a point of diversion, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.
- The use may be restricted if the quality of the source stream or downstream waters decrease to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.
- The permittee shall install, maintain, and operate fish screening and by-pass devices consistent with current Oregon Department of Fish and Wildlife (ODFW) standards. Fish screening is to prevent fish from entering the proposed diversion while by-pass devices provide adequate upstream and downstream passage for fish. The required screen and by-pass devices are to be in place and functional, and approved in writing by ODFW prior to diversion of any water. The permittee may submit evidence in writing that ODFW has determined screens and/or by-pass devices are not necessary.
- fishmay** Notwithstanding that ODFW has made a determination that fish screens and/or by-pass devices are not necessary at the time of permit issuance, the permittee may be required in the future to install, maintain, and operate fish screening and by-pass devices to prevent fish from entering the proposed diversion and to provide adequate upstream and downstream passage for fish.
- b52** Water may be diverted only when Department of Environmental Quality sediment standards are being met.
- b5** The water user shall install and maintain adequate treatment facilities meeting current DEQ requirements to remove sediment before returning the water to the stream.
- b51a** The period of use has been limited to _____ through _____.
- b57** Before water use may begin under this permit, a totalizing flow meter must be installed at each diversion point.
- b58** Before water use may begin under this permit, a staff gage that measures the entire range and stage between full reservoir level dead pool storage must be installed in the reservoir. The staff gage shall be United States Geological Survey style porcelain enamel iron staff gage style A, C, E or I. Additionally, before water use may begin under this permit, if the reservoir is located in channel then weirs or other suitable measuring devices must be installed upstream and downstream of the reservoir, and, a gated valve outlet must be installed. A written waiver may be obtained from the local Watermaster if in his judgment the installation of the weir(s) will provide no public benefit.
- futile call** The use of water allowed herein may be made only at times when waters from the (NAME OF SURFACE WATER) would not otherwise flow into a tributary of the _____ River or sufficient water is available to satisfy all prior rights, including rights for maintaining instream flows.
- riparian** If the riparian area is disturbed in the process of developing a point of diversion, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.
- wq** The use may be restricted if the quality of the source stream or downstream waters decrease to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.
- fence** The stream and its adjacent riparian area shall be fenced to exclude livestock.
- blv** Water must be diverted to a trough or tank through an enclosed water delivery system. The delivery system must be equipped with an automatic shutoff or limiting flow control mechanism or include a means for returning water to the stream source through an enclosed delivery system. The use of water shall not exceed 0.10 cubic feet per second per 1000 head of livestock.

TOWNSHIP 18 SOUTH, RANGE 21 EAST, W.M.



Scale 1" = 1320'
(4" = 1 mile)

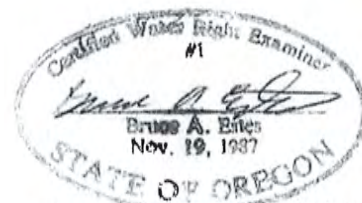
Surface Area 19 1/2 acres

RECEIVED BY OWRD

AUG 14 2017

SALEM, OR

Application Map
for
OREGON RANCHING Co.
(Twin Buttes Ranch)



Renewal Dec 31, 2017

This map is for the purpose of
locating a water right only
and has no intent to provide
legal dimensions or the location
of property lines.

ESTES SURVEYS, LLC

PO Box 17515
Salem, OR 97305-7519
(503) 585-7593

60362 Arnold Rd
Bend, OR 97702
(541) 382-7391

Amended March 23, 2013

R-88443

Laura A. Schroeder
Oregon, Idaho,
Nevada, Washington & Utah

Therese A. Ure
Oregon & Nevada

Sarah R. Liljefelt
Oregon,
California & Utah

William F. Schroeder
(1928 - 2015)



SCHROEDER
LAW OFFICES, P.C.

Lindsay M. Thane
Oregon & Montana

Wyatt E. Rolfe
Of Counsel
Oregon & Washington

James Browitt
Of Counsel
Idaho & Washington

March 15, 2018

VIA U.S. AND ELECTRONIC MAIL

Scott Grew
Oregon Water Resources Department
725 Summer Street NE
Salem, OR 97301
Email: Scott.A.Grew@oregon.gov

RECEIVED

MAR 19 2018

OWRD

RE: Application R-88443: Request for Information About Releases

Dear Mr. Grew:

We received a copy of your letter dated March 2, 2018 from our client, Oregon Ranching Co. Please update your file to send copies of notices and correspondence to our office as the agent for Oregon Ranching.

Oregon Ranching Co.'s responses to the questions in your letter are as follows:

1) Will water be released instream? If so, which months and at what rate?

An outlet pipe will be constructed at the bottom of the dam to allow releases as may be ordered by the Oregon Water Resources Department ("OWRD"), the Oregon Department of Environmental Quality ("ODEQ"), or another government entity. Releases will not be made unless so ordered, and the months and rate of such releases would be entirely dependent upon the timing and extent of the ordered release. Application R-88443 does not contemplate downstream uses for the stored water, so regular releases are not anticipated.

2) Will water be bypassed outside the storage season? If so, how?

The construction plan includes a bypass channel on the west side of the dam to bypass live flow outside of the storage season. A headgate and weir will be installed on the bypass channel, unless other or additional infrastructure is required as a condition for issuance of a permit for Application R-88443.

1915 NE Cesar E. Chavez Boulevard, Portland, Oregon 97212 (503) 281-4100

10615 Double R Boulevard, Suite 100, Reno, Nevada 89521 (775) 786-8800

www.water-law.com counsel@water-law.com

Oregon Water Resources Department
March 15, 2018
Page 2 of 2

Please let us know if you have any further questions regarding Application R-88443.

Very truly yours,
SCHROEDER LAW OFFICES, P.C.


Sarah R. Liljefelt

SRL:las

cc: Client
Phil and Brenda Hartzell (*via US mail*)
Bruce Estes (*via US mail*)

RECEIVED

MAR 19 2018

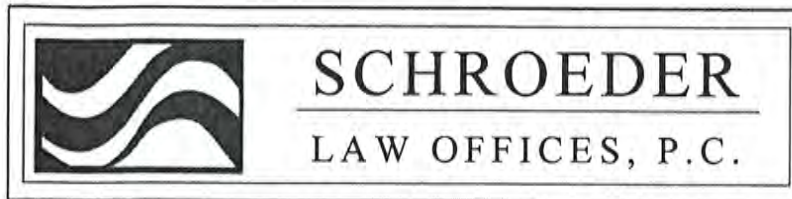
OWRD

Laura A. Schroeder
Oregon, Idaho,
Nevada, Washington & Utah

Therese A. Ure
Oregon & Nevada

Sarah R. Liljefelt
Oregon,
California & Utah

William F. Schroeder
(1928 - 2015)



Lindsay M. Thane
Oregon & Montana

Wyatt E. Rolfe
Of Counsel
Oregon & Washington

James Browitt
Of Counsel
Idaho & Washington

March 15, 2018

VIA U.S. AND ELECTRONIC MAIL

Scott Grew
Oregon Water Resources Department
725 Summer Street NE
Salem, OR 97301
Email: Scott.A.Grew@oregon.gov

RECEIVED
MAR 15 2018
OWRD

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- 2) Will water be bypassed outside the storage season? If so, how?

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10615 Double R Boulevard, Suite 100, Reno, Nevada 89521 (775) 786-8800

www.water-law.com counsel@water-law.com

Oregon Water Resources Department
March 15, 2018
Page 2 of 2

Please let us know if you have any further questions regarding Application R-88443.

Very truly yours,
SCHROEDER LAW OFFICES, P.C.


Sarah R. Liljefelt

SRL:las

cc: Client
Phil and Brenda Hartzell (*via US mail*)
Bruce Estes (*via US mail*)

RECEIVED
MAR 15 2018
OWRD



Oregon

Kate Brown, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

March 2, 2018

Oregon Ranching Co. (Twin Buttes Ranch),
62400 Paulina Hwy
Post, OR 97752

Reference: Application R-88443

Dear Oregon Ranching Co. (Twin Buttes Ranch),

We are processing your request for a storage water right. Because your use occurs in the Columbia Basin above Bonneville Dam, your application is subject to rules designed to protect sensitive, threatened and endangered fish species under OAR 690-033. As part of that review the applicant is required to show that their use, if approved, would be consistent with state and federal water quality standards. The burden of proof is on the applicant. The Department of Environmental Quality (DEQ) advises our Department on this review. They have started to review your application for this requirement and have the following questions:

1. Will water be released instream? If so, which months and at what rate?
2. Will water be bypassed outside of the storage season? If so, how?

Please send me your answers to these questions. I'll pass the information onto staff at the Department of Environmental Quality for their review. Let me know if you need more than 30 days to provide this information. This information, along with a finding that your use is consistent with state and federal water quality standards, is required for your application to be approved.

Sincerely,

Scott Grew
Natural Resource Specialist: Water Right Application Processor
Ph: 503-986-0899

FAVED
3-2-18

FAVED

MAR 02 2018
OWRD

OREGON WATER RESOURCES DEPARTMENT



State of Oregon
Water Resources Department
725 Summer St NE, Ste A
Salem, OR 97301-1266
Phone #: (503) 986-0900
Fax#: (503) 986-0901
www.wrd.state.or.us

FAX TRANSMITTAL

TO: Oregon Ranching Co. FAX NUMBER: 541-477-3329
DATE: 3-2-18 PAGES: 2, INCLUDING COVER SHEET
FROM: Scott Grew PHONE: (503) 986-0 899
COMMENTS: please see attached letter.

WATER RIGHTS

- Water Rights information
- Adjudications
- Hydroelectric
- Certifications / Final Proofs
- Hearings / Contested Cases

FAX: (503) 986-0901

TECHNICAL SERVICES

- Hydrographics
- Ground Water
- Information Services
- GIS Mapping
- Dam Safety
- Enforcement
- Water Use Reporting

FAX: (503) 986-0902

FIELD SERVICES

- Regional Liaisons
- Transfers
- Hydrographics

NORTHWEST REGION

- District 16 Watermaster

DIRECTOR'S OFFICE

- Water Resources Commission
- Legislation and Rules
- Public Information

ADMINISTRATIVE SERVICES

- Fiscal / Accounting
- Human Resources / Personnel
- Water Development Loan Fund
- Support Services

FAX: (503) 986-0903 or
503-986-0904

TRANSMISSION VERIFICATION REPORT

TIME : 03/02/2018 15:13
NAME : WRD 1ST FL
FAX : 5039860901
TEL : 5039860901
SER.# : BROJ5J339815

DATE, TIME	03/02 15:13
FAX NO./NAME	5414773329
DURATION	00:00:37
PAGE(S)	02
RESULT	OK
MODE	STANDARD
	ECM

PFO Checklist for Standard Application

Reminder: use a different colored pen for changes and Date and Initial changes.

Application # R-88443 Applicant: OREGON RANCHING CO.
Basin # 5 WM 11

IR requested additional information? ☒ NA ☐ Yes

Add'l info received? ☒ NA ☐ Yes

IR Date 9/22/17 Noticed on 9/26/17 Comment Deadline 10/26/17

Electronic /Written comments? ☒ No ☐ Yes Comment Eval? ☒ NA ☐ No ☐ Yes

Allowed Use/Rate/Season RC, FI, WI, 1950 AF, 3/1-4/14 Limit: DAM HT = 38.0 FT Duty:

GW Rev ☒ NA ☐ will likely be available ☐ will not likely be available ☐ will, if conditioned

☐ No PSI ☐ Yes PSI WELL Has PSI with

PSI caused from: ☐ 1/4 mile ☐ > 5CFS ☐ Instream Q ☐ > 1% of 80% ☐ Interference > 25%

Groundwater Conditions:

Well construction meets minimum standards? ☒ NA (proposed well) ☐ Yes ☐ No (propose to deny)

Conditions

☐ Small ≤ 0.1 CFS ≤ 9.2 AF ☐ Medium > 0.1 CFS but < 0.25 CFS, > 9.2 AF but < 100 AF ☒ Large ≥ 0.25 CFS ≥ 100 AF

SWW ☐ NA ☒ above ☐ within DESCHUTES SWW If GW, add 7J ☐

SW availability ☐ NA ☐ 80% ☒ 50% AVAIL MAR-APR

Division 33 ☐ NA ☐ No ☒ UPPER COLUMBIA (not allowed 4/15 - 9/30) OAR 690-033-0120 (DIV331)
☐ LOWER COLUMBIA OAR 690-033-0220 (DIV332)
☐ STATEWIDE OAR 690-033-0330 (DIV333)
☐ UPPER COLUMBIA AND STATEWIDE (DIV334)
☐ LOWER COLUMBIA AND STATEWIDE (DIV335)

Land Use ☒ allowed outright ☐ decision obtained ☐ being pursued ☐ not being pursued

Municipal Use? ☒ NA ☐ change construction condition to 20 years in Draft Permit

Needed before permit: ☐ NA ☐ Fees ☐ LU ☐ easement ☒ plans/ specs ☐ storage contract

Changes from IR determinations

Notes

Specialist: Kim R. French Date: 9/25/19 Peer Reviewer: Lisa G. Date: 9-27-19
Manager: Date:

Copy to:

☐ NCR ☒ WM 11

☐ Agent _____

☐ CWRE _____

☐ A.L.O. _____

☐ Commenter(s) _____

☒ SW Section (If SW, GW w/PSI, or SWW (include copy of yellow sheet))

EXAM FEE REQUIRED	<u>1840</u>	RECORDING FEE REQUIRED	<u>500</u>
EXAM FEE PAID	<u>1840</u>	RECORDING FEE PAID	<u>500</u>
STILL OWED	<u>0</u>	STILL OWED	<u>0</u>

The purpose of this check list is to be used as a working document by the Department staff to aid in the production of the related Initial Review, Proposed Final Order or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above. The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

IR CHECKLIST

Application #: R-88443 Applicant: OREGON RANCHING CO Priority Date: August 14, 2017

✓ Requested Use/Rate/Season Rec, Fish Life, Wildlife / 195 AF / YR Limit _____ Duty _____

Allowed Use/Rate/Season Rec, Fish Life, Wildlife / 195 AF / MARCH-APRIL only Limit _____ Duty _____

✓ DIV 9 ☒ NA ☐ will likely be available... ☐ will **not** likely be available... ☐ will, if properly conditioned...

☐ No PSI OR well _____ has PSI with _____

☐ Reduce rate to avoid PSI _____

GW conditions _____

✓ Conditions _____

☐ Small ≤ 0.1 CFS, ≤ 9.2 AF ☐ Medium > 0.1 CFS but < 0.25 CFS, > 9.2 AF but < 100 AF ☒ Large ≥ 0.25 CFS, ≥ 100 AF

use **at least** Medium for: Siltcoos Lake, stored water contract, and Sandy Basin ground water

use Large for: Tenmile Lake, NU or other temp control, and gov. entities, HC exceptions; and if GW in South Salem Hills, or 10+ acres in Stage Gulch CGWA; Large-7g, Large-7i for 7g/7i

✓ ORS 538 prohibits use ☒ No ☐ Yes (stop processing and return app and fees)

✓ Stream is **withdrawn** ☒ NA ☐ No ☐ Yes, allows use/season _____

✓ Use is ☒ allowed ☐ not allowed ☐ limited ☒ OAR ☐ Compact 690-505-0030

✓ SW availability ☐ NA ☐ 80% ☒ 50% MARCH * APRIL WID: 30530409

☐ Use DWF's 6/21/05 non-standard W/A memo if the source is: trib to Drews Res, Snake R, Columbia R, North Umpqua R below Rock Cr, or within drainages of Lost R, Chehalem Cr, or Champoege Cr (including Mission Cr and Case Cr)

✓ DIVISION 33 ☐ NA ☐ No ☒ UPPER COLUMBIA (not allowed 4/15 - 9/30)
☐ LOWER COLUMBIA
☐ STATEWIDE

✓ Use is within a **Priority WAB** ☐ NA ☐ No ☒ Yes

✓ 4D Rules apply ☐ NA ☒ No ☐ Yes

✓ SWW ☐ NA ☒ above ☐ within Deschutes (If GW and interference, copy form for hydro.)

✓ POU conflict ☒ No ☐ No, different sources ☐ No, make up a deficiency in rate ☐ No, existing not at max. rate

☐ Yes _____

✓ Use is **supplemental**, checked for primary rights w/ diff source ☒ NA ☐ No ☐ Yes limits _____

✓ App w/in a District boundary ☒ No ☐ Yes, cc: _____

✓ Land use ☒ allowed outright ☐ not allowed ☐ being pursued ☐ not being pursued ☐ decision obtained ☐ receipt only ☐ N/A

✓ MU or QM ☒ NA ☐ will complete construction within 20 years ☐ Lisa reviewed recommendations _____

✓ Storage contract ☒ NA ☐ BOR ☐ Doug Co ☐ Corp of Eng ☐ needed ☐ obtained _____

✓ POD is within **North Umpqua or Tenmile Lake for domestic use** and the spreadsheet was updated ☒ NA ☐ Yes

✓ Forms ☒ NA ☐ HC except (receipts/well logs attached) ☐ spring description ☐ Form M

Application #: R-88443 Applicant: OREGON RANCHING CO

✓ **Authorized agent specified** ☐ No ☒ Yes S. Liljefelt / Schroeder
✓ **Copy to** ☐ NCR ☒ WM # 11 ☐ a.l.o. ☐ city _____
☐ agent ☐ district (w/in 5-mile muni wells)
☐ CWRE

✓ **Fees** _____ CFS Base 930
195 AF Up to 1 CFS _____
_____ well(s)/POD(s) Add'l CFS _____
Up to 20 AF 700
175 Add'l AF @ \$1 210
_____ use(s) Add'l _____ POD/POA _____ use + _____
Exam Fee Required = 1840 Rec Fee Req'd 520
Exam Fee Paid 1840 Red Fee Paid 520
Still Owed/Refund 0 Owed before permit 0

✓ **App/map meet min. req** ☒ Yes ☐ No ☐ ALO info ☐ map ☐ legal _____
✓ **Req'd before PFO** ☒ NA ☐ LU approve/pursue ☐ ALO info ☐ exam fees
✓ **Req'd before permit** ☐ NA ☐ recording fees ☐ well repair ☐ LU ☐ easement ☒ plans/specs ☐ storage contract
✓ **Letter format** ☐ good ☒ limited ☐ bad ☐ bad w/ rate reduction opportunity ☐ bad w/ HC opportunity
✓ **Scanned images exist for application form and map**

Name: SJA Date: 9/13/2017

Peer Reviewer: _____

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Revised 12/03/13



Point of Diversion Characteristics

Right:	App: R 88443 *
Name:	OREGON RANCHING CO.

TRSQQ: 18.00S-21.00E-22-SENE

County: Crook

Basin: Deschutes

WM District: 11

WM Region: SC

Withdrawn Area:

WAB: CAMP CR > CROOKED R - AT MOUTH (30530409)

Priority WAB: CAMP CR @ mouth (OWRD: Fair, ODFW: High) (30530409)

Rule 4D:

Groundwater Restricted Area:

Scenic Water Way: ABOVE The Deschutes Scenic Waterway

Division 33: UPPER COLUMBIA

Water Quality Limited:

R-88443

Oregon Ranching Co. (Twin Buttes Ranch)

WATER RESOURCES DEPARTMENT

DIVISION 505

DESCHUTES BASIN PROGRAM

690-505-0030

Upper Crooked River Basin

(1) Classifications:

(a) The maximum economic development of this state, the attainment of the highest and best use of the waters of the Deschutes — Upper Crooked River Basin, and the attainment of an integrated and coordinated program for the benefit of the state as a whole will be furthered through utilization of the aforementioned waters only for domestic, livestock, municipal, **irrigation**, power development, industrial, mining, recreation, wildlife and fish life uses and the waters of the Deschutes - Upper Crooked River Basin are hereby so classified;



Place of Use Conflict Report

The following rights have acreage in the same quarter-quarter as App: R 88443 *

Right	Name	Decree	App	Permit	Cert	Priority	Status	Use	T-R-S-QQ	DLC	Gov't Lot	Acre
CERT:688 OR *	J W BENNETT	CROOKED RIVER			688	12/31/1904	NC	I*	18.00S-21.00E-22-SENE			10.0000
								I*	18.00S-21.00E-23-NWNW			7.0000



Water Availability Analysis

CAMP CR > CROOKED R - AT MOUTH
DESCHUTES BASIN

Water Availability as of 9/13/2017

Watershed ID #: 30530409 ([Map](#))
Date: 9/13/2017

Exceedance Level: 50%
Time: 3:28 PM

Water Availability

Limiting Watersheds

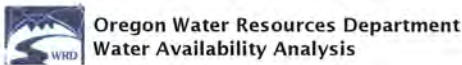
Complete Water Availability Analysis

Water Availability

Select any Watershed for Details

Nesting Order Watershed ID # Stream Name			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
Select	1	70087 DESCHUTES R> COLUMBIA R- AB MOUTH AT GAGE 14103000	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes
Select	2	30530627 DESCHUTES R> COLUMBIA R- AB EAGLE CR	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes
Select	3	30530643 DESCHUTES R> COLUMBIA R- AB SHITIKE CR	No	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes
Select	4	30530508 CROOKED R> DESCHUTES R- AB OSBORNE CAN	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes
Select	5	30530507 CROOKED R> DESCHUTES R- AB DRY R	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes
Select	6	70353 CROOKED R> DESCHUTES R- AB SAND CR	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes
Select	7	30530409 CAMP CR> CROOKED R- AT MOUTH	No	No	Yes	Yes	No	No	No	No	No	No	No	No	Yes

Download Data ([Text - Formatted](#) , [Text - Tab Delimited](#) , [Excel](#))



- Main
- Help
- Return
- Contact Us

Water Availability Analysis

CAMP CR > CROOKED R - AT MOUTH
DESCHUTES BASIN

Water Availability as of 9/13/2017

Watershed ID #: 30530409 [\(Map\)](#)
Date: 9/13/2017

Exceedance Level: 50%
Time: 3:29 PM

[Download Data](#)

Water Availability

Select any Watershed for Details

Nesting Order	Watershed ID #	Stream Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	70087	DESCHUTES R> COLUMBIA R- AB MOUTH AT GAGE 14103000	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes
2	30530627	DESCHUTES R> COLUMBIA R- AB EAGLE CR	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes
3	30530643	DESCHUTES R> COLUMBIA R- AB SHITIKE CR	No	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Yes
4	30530508	CROOKED R> DESCHUTES R- AB OSBORNE CAN	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes
5	30530507	CROOKED R> DESCHUTES R- AB DRY R	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes
6	70353	CROOKED R> DESCHUTES R- AB SAND CR	No	No	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes
7	30530409	CAMP CR> CROOKED R- AT MOUTH	No	No	Yes	Yes	No	No	No	No	No	No	No	No	Yes

Limiting Watersheds

Monthly Streamflow in Cubic Feet per Second
Annual Volume at 50% Exceedance in Acre-Feet

Month	Limiting Watershed ID #	Stream Name	Water Available?	Net Water Available
JAN	30530643	DESCHUTES R > COLUMBIA R - AB SHITIKE CR	No	-601.00
FEB	30530643	DESCHUTES R > COLUMBIA R - AB SHITIKE CR	No	-129.00
MAR	30530409	CAMP CR > CROOKED R - AT MOUTH	Yes	23.00
APR	30530409	CAMP CR > CROOKED R - AT MOUTH	Yes	13.30
MAY	30530409	CAMP CR > CROOKED R - AT MOUTH	No	-8.34
JUN	30530508	CROOKED R > DESCHUTES R - AB OSBORNE CAN	No	-183.00
JUL	30530643	DESCHUTES R > COLUMBIA R - AB SHITIKE CR	No	-583.00
AUG	30530508	CROOKED R > DESCHUTES R - AB OSBORNE CAN	No	-424.00
SEP	30530508	CROOKED R > DESCHUTES R - AB OSBORNE CAN	No	-371.00
OCT	30530643	DESCHUTES R > COLUMBIA R - AB SHITIKE CR	No	-264.00
NOV	30530643	DESCHUTES R > COLUMBIA R - AB SHITIKE CR	No	-316.00
DEC	30530643	DESCHUTES R > COLUMBIA R - AB SHITIKE CR	No	-788.00
ANN	30530409	CAMP CR > CROOKED R - AT MOUTH	Yes	2,200.00

Detailed Reports for Watershed ID #70087

DESCHUTES R > COLUMBIA R - AB MOUTH AT GAGE 14103000
DESCHUTES BASIN

Water Availability as of 9/13/2017

Watershed ID #: 70087 [Map](#)
Date: 9/13/2017

Exceedance Level: 50%
Time: 3:29 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second
Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	5,830.00	670.00	5,160.00	450.00	4,500.00	210.00
FEB	6,980.00	747.00	6,230.00	450.00	4,500.00	1,280.00
MAR	7,440.00	1,090.00	6,350.00	450.00	4,500.00	1,400.00
APR	8,180.00	1,150.00	7,030.00	450.00	4,000.00	2,580.00
MAY	7,460.00	1,150.00	6,310.00	450.00	4,000.00	1,860.00
JUN	6,600.00	1,220.00	5,380.00	450.00	4,000.00	934.00
JUL	5,190.00	958.00	4,230.00	450.00	4,000.00	-218.00
AUG	4,780.00	863.00	3,920.00	450.00	3,500.00	-32.90
SEP	4,800.00	747.00	4,050.00	450.00	3,800.00	-197.00
OCT	4,940.00	794.00	4,150.00	450.00	3,800.00	-104.00
NOV	5,050.00	845.00	4,200.00	450.00	3,800.00	-45.40
DEC	5,480.00	771.00	4,710.00	450.00	4,500.00	-241.00
ANN	4,390,000.00	664,000.00	3,720,000.00	326,000.00	2,950,000.00	494,000.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second

Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	619.00	0.17	44.10	0.91	0.07	4.34	1.30	0.05	670.00
FEB	696.00	0.15	44.10	0.91	0.07	4.34	1.30	0.05	747.00
MAR	967.00	71.60	44.10	0.91	0.07	4.34	1.30	0.05	1,090.00
APR	654.00	442.00	44.10	0.91	0.07	4.34	1.30	0.05	1,150.00
MAY	88.90	1,010.00	44.10	0.91	0.07	4.35	1.30	0.05	1,150.00
JUN	45.20	1,090.00	77.30	0.91	0.07	4.36	1.30	0.05	1,220.00
JUL	35.30	838.00	77.30	0.91	0.07	4.36	1.30	0.05	958.00
AUG	32.50	746.00	77.30	0.91	0.07	4.36	1.30	0.05	863.00
SEP	32.60	631.00	77.30	0.91	0.07	4.36	1.30	0.05	747.00
OCT	436.00	307.00	44.10	0.91	0.07	4.36	1.30	0.05	794.00
NOV	794.00	0.30	44.10	0.91	0.07	4.35	1.30	0.05	845.00
DEC	720.00	0.21	44.10	0.91	0.07	4.33	1.30	0.05	771.00

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second

Application #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TY70503A	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00
TY70503B	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60
TY70503C	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80
TY70503D	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30

TY70504A	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00
TY70504B	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90
TY70504C	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Total	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second

Application #	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TY70501A	TREATY	3,000.00	3,000.00	3,500.00	3,500.00	3,500.00	3,500.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
SY90506A	SWW	4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00
IS70087A	CERTIFICATE	3,000.00	3,000.00	3,500.00	3,500.00	3,500.00	3,500.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
IS71194A	CERTIFICATE	4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00
Maximum		4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00

Detailed Reports for Watershed ID #30530627

DESCHUTES R > COLUMBIA R - AB EAGLE CR

DESCHUTES BASIN

Water Availability as of 9/13/2017

Watershed ID #: 30530627 [\(Map\)](#)

Date: 9/13/2017

Exceedance Level: 50%

Time: 3:29 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second

Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	5,280.00	646.00	4,630.00	450.00	4,500.00	-316.00
FEB	6,160.00	708.00	5,450.00	450.00	4,500.00	502.00
MAR	6,650.00	1,040.00	5,610.00	450.00	4,500.00	656.00
APR	7,350.00	1,080.00	6,270.00	450.00	4,000.00	1,820.00
MAY	6,720.00	1,040.00	5,680.00	450.00	4,000.00	1,230.00
JUN	6,160.00	1,090.00	5,070.00	450.00	4,000.00	623.00
JUL	4,960.00	859.00	4,100.00	450.00	4,000.00	-349.00
AUG	4,600.00	782.00	3,820.00	450.00	3,500.00	-132.00
SEP	4,630.00	674.00	3,960.00	450.00	3,800.00	-294.00
OCT	4,770.00	735.00	4,030.00	450.00	3,800.00	-215.00
NOV	4,840.00	835.00	4,000.00	450.00	3,800.00	-245.00
DEC	5,110.00	760.00	4,350.00	450.00	4,500.00	-600.00
ANN	4,050,000.00	619,000.00	3,440,000.00	326,000.00	2,950,000.00	290,000.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second

Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	599.00	0.00	42.20	0.62	0.07	3.82	0.99	0.05	646.00
FEB	660.00	0.00	42.20	0.62	0.07	3.82	0.99	0.05	708.00

MAR	934.00	61.40	42.20	0.62	0.07	3.82	0.99	0.05	1,040.00
APR	620.00	411.00	42.20	0.62	0.07	3.82	0.99	0.05	1,080.00
MAY	76.30	913.00	42.20	0.62	0.07	3.83	0.99	0.05	1,040.00
JUN	35.30	972.00	73.50	0.62	0.07	3.84	0.99	0.05	1,090.00
JUL	28.30	752.00	73.50	0.62	0.07	3.84	0.99	0.05	859.00
AUG	26.20	677.00	73.50	0.62	0.07	3.84	0.99	0.05	782.00
SEP	26.40	569.00	73.50	0.62	0.07	3.84	0.99	0.05	674.00
OCT	429.00	258.00	42.20	0.62	0.07	3.83	0.99	0.05	735.00
NOV	788.00	0.00	42.20	0.62	0.07	3.83	0.99	0.05	835.00
DEC	712.00	0.00	42.20	0.62	0.07	3.81	0.99	0.05	760.00

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second												
Application #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TY70503A	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00
TY70503B	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60	37.60
TY70503C	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80
TY70503D	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30
TY70504A	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00	147.00
TY70504B	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90
TY70504C	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Total	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60	449.60

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second													
Application #	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TY70501B	TREATY	3,000.00	3,000.00	3,500.00	3,500.00	3,500.00	3,500.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
SY90506E	SWW	4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00
IS70087B	CERTIFICATE	3,000.00	3,000.00	3,500.00	3,500.00	3,500.00	3,500.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
IS71194E	CERTIFICATE	4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00
Maximum		4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00

Detailed Reports for Watershed ID #30530643

DESCHUTES R > COLUMBIA R - AB SHITKE CR
DESCHUTES BASIN
Water Availability as of 9/13/2017

Watershed ID #: 30530643 [\(Map\)](#)
Date: 9/13/2017

Exceedance Level: 50%
Time: 3:29 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second
Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	4,660.00	642.00	4,020.00	119.00	4,500.00	-601.00

FEB	5,190.00	700.00	4,490.00	119.00	4,500.00	-129.00
MAR	5,710.00	1,050.00	4,660.00	119.00	4,500.00	45.20
APR	6,380.00	1,150.00	5,230.00	119.00	4,000.00	1,110.00
MAY	5,890.00	1,170.00	4,720.00	119.00	4,000.00	602.00
JUN	5,590.00	1,240.00	4,350.00	119.00	4,000.00	228.00
JUL	4,560.00	1,020.00	3,540.00	119.00	4,000.00	-583.00
AUG	4,260.00	893.00	3,370.00	119.00	3,500.00	-252.00
SEP	4,320.00	765.00	3,550.00	119.00	3,800.00	-364.00
OCT	4,430.00	775.00	3,650.00	119.00	3,800.00	-264.00
NOV	4,440.00	837.00	3,600.00	119.00	3,800.00	-316.00
DEC	4,590.00	759.00	3,830.00	119.00	4,500.00	-788.00
ANN	3,620,000.00	665,000.00	2,960,000.00	86,200.00	2,950,000.00	120,000.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second									
Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	594.00	0.38	42.20	0.50	0.07	3.91	0.70	0.05	642.00
FEB	653.00	0.00	42.20	0.50	0.07	3.91	0.70	0.05	700.00
MAR	926.00	72.90	42.20	0.50	0.07	3.91	0.70	0.05	1,050.00
APR	610.00	492.00	42.20	0.50	0.07	3.91	0.70	0.05	1,150.00
MAY	70.50	1,050.00	42.20	0.50	0.07	3.92	0.70	0.05	1,170.00
JUN	31.10	1,130.00	73.30	0.50	0.07	3.93	0.70	0.05	1,240.00
JUL	25.20	920.00	73.30	0.50	0.07	3.93	0.70	0.05	1,020.00
AUG	23.50	790.00	73.30	0.50	0.07	3.93	0.70	0.05	893.00
SEP	23.80	663.00	73.30	0.50	0.07	3.93	0.70	0.05	765.00
OCT	426.00	301.00	42.20	0.50	0.07	3.92	0.70	0.05	775.00
NOV	785.00	5.14	42.20	0.50	0.07	3.92	0.70	0.05	837.00
DEC	708.00	3.17	42.20	0.50	0.07	3.90	0.70	0.05	759.00

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second												
Application #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TY70503C	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80
TY70503D	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30	61.30
TY70504B	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90	27.90
TY70504C	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Total	119.00	119.00	119.00	119.00	119.00	119.00	119.00	119.00	119.00	119.00	119.00	119.00

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second													
Application #	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TY70501C	TREATY	3,000.00	3,000.00	3,500.00	3,500.00	3,500.00	3,500.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
SY90506C	SWW	4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00
Maximum		4,500.00	4,500.00	4,500.00	4,000.00	4,000.00	4,000.00	4,000.00	3,500.00	3,800.00	3,800.00	3,800.00	4,500.00

Detailed Reports for Watershed ID #30530508

CROOKED R > DESCHUTES R - AB OSBORNE CAN
DESCHUTES BASIN
Water Availability as of 9/13/2017

Watershed ID #: 30530508 [\(Map\)](#)
Date: 9/13/2017

Exceedance Level: 50%
Time: 3:29 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second
Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	303.00	122.00	181.00	0.00	75.00	106.00
FEB	641.00	293.00	348.00	0.00	150.00	198.00
MAR	1,100.00	641.00	459.00	0.00	255.00	204.00
APR	1,320.00	761.00	559.00	0.00	255.00	304.00
MAY	805.00	355.00	450.00	0.00	255.00	195.00
JUN	391.00	424.00	-32.70	0.00	150.00	-183.00
JUL	112.00	424.00	-312.00	0.00	75.00	-387.00
AUG	55.80	424.00	-369.00	0.00	55.80	-424.00
SEP	64.00	371.00	-307.00	0.00	64.00	-371.00
OCT	75.60	135.00	-59.10	0.00	75.00	-134.00
NOV	97.20	35.60	61.60	0.00	75.00	-13.40
DEC	192.00	80.30	112.00	0.00	75.00	36.70
ANN	310,000.00	245,000.00	130,000.00	0.00	94,000.00	62,500.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second

Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	120.00	0.00	0.00	0.28	0.00	1.05	0.44	0.05	122.00
FEB	291.00	0.00	0.00	0.28	0.00	1.05	0.44	0.05	293.00
MAR	639.00	0.00	0.00	0.28	0.00	1.05	0.44	0.05	641.00
APR	598.00	161.00	0.00	0.28	0.00	1.05	0.44	0.05	761.00
MAY	32.00	321.00	0.00	0.28	0.00	1.05	0.44	0.05	355.00
JUN	15.20	407.00	0.00	0.28	0.00	1.05	0.44	0.05	424.00
JUL	4.36	418.00	0.00	0.28	0.00	1.05	0.44	0.05	424.00
AUG	2.17	420.00	0.00	0.28	0.00	1.05	0.44	0.05	424.00
SEP	2.49	367.00	0.00	0.28	0.00	1.05	0.44	0.05	371.00
OCT	32.90	99.90	0.00	0.28	0.00	1.05	0.44	0.05	135.00
NOV	33.80	0.00	0.00	0.28	0.00	1.05	0.44	0.05	35.60
DEC	78.50	0.00	0.00	0.28	0.00	1.05	0.44	0.05	80.30

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second

No reservations were found for this watershed.

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second													
Application #	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IS70354A	APPLICATION	75.00	150.00	255.00	255.00	255.00	150.00	75.00	55.80	64.00	75.00	75.00	75.00
Maximum		75.00	150.00	255.00	255.00	255.00	150.00	75.00	55.80	64.00	75.00	75.00	75.00

Detailed Reports for Watershed ID #30530507

CROOKED R > DESCHUTES R - AB DRY R
DESCHUTES BASIN

Water Availability as of 9/13/2017

Watershed ID #: 30530507 [\(Map\)](#)

Date: 9/13/2017

Exceedance Level: 50%

Time: 3:29 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second
Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	287.00	121.00	166.00	0.00	75.00	91.40
FEB	607.00	291.00	316.00	0.00	150.00	166.00
MAR	1,060.00	638.00	422.00	0.00	255.00	167.00
APR	1,280.00	718.00	562.00	0.00	255.00	307.00
MAY	792.00	284.00	508.00	0.00	255.00	253.00
JUN	389.00	328.00	61.30	0.00	150.00	-88.70
JUL	112.00	323.00	-211.00	0.00	75.00	-286.00
AUG	55.60	321.00	-266.00	0.00	55.80	-321.00
SEP	63.80	281.00	-217.00	0.00	64.00	-281.00
OCT	75.30	118.00	-43.00	0.00	75.00	-118.00
NOV	95.50	34.60	60.90	0.00	75.00	-14.10
DEC	185.00	79.00	106.00	0.00	75.00	31.00
ANN	301,000.00	213,000.00	132,000.00	0.00	94,000.00	60,900.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second

Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	120.00	0.00	0.00	0.28	0.00	0.23	0.36	0.00	121.00
FEB	290.00	0.00	0.00	0.28	0.00	0.23	0.36	0.00	291.00
MAR	637.00	0.00	0.00	0.28	0.00	0.23	0.36	0.00	638.00
APR	596.00	122.00	0.00	0.28	0.00	0.23	0.36	0.00	718.00
MAY	31.30	252.00	0.00	0.28	0.00	0.23	0.36	0.00	284.00

JUN	15.10	312.00	0.00	0.28	0.00	0.23	0.36	0.00	328.00
JUL	4.34	318.00	0.00	0.28	0.00	0.23	0.36	0.00	323.00
AUG	2.15	318.00	0.00	0.28	0.00	0.23	0.36	0.00	321.00
SEP	2.47	277.00	0.00	0.28	0.00	0.23	0.36	0.00	281.00
OCT	32.90	84.50	0.00	0.28	0.00	0.23	0.36	0.00	118.00
NOV	33.70	0.00	0.00	0.28	0.00	0.23	0.36	0.00	34.60
DEC	78.20	0.00	0.00	0.28	0.00	0.23	0.36	0.00	79.00

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second

No reservations were found for this watershed.

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second

Application #	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IS70354B	APPLICATION	75.00	150.00	255.00	255.00	255.00	150.00	75.00	55.80	64.00	75.00	75.00	75.00
Maximum		75.00	150.00	255.00	255.00	255.00	150.00	75.00	55.80	64.00	75.00	75.00	75.00

Detailed Reports for Watershed ID #70353

CROOKED R > DESCHUTES R - AB SAND CR
DESCHUTES BASIN

Water Availability as of 9/13/2017

Watershed ID #: 70353 [\(Map\)](#)
Date: 9/13/2017

Exceedance Level: 50%
Time: 3:29 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second
Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	192.00	7.74	184.00	0.00	50.00	134.00
FEB	392.00	15.50	377.00	0.00	75.00	302.00
MAR	741.00	143.00	598.00	0.00	113.00	485.00
APR	960.00	330.00	630.00	0.00	113.00	517.00
MAY	622.00	370.00	252.00	0.00	113.00	139.00
JUN	321.00	295.00	25.50	0.00	75.00	-49.50
JUL	93.20	85.00	8.24	0.00	50.00	-41.80
AUG	47.80	43.20	4.63	0.00	47.80	-43.20
SEP	55.70	44.80	10.90	0.00	50.00	-39.10
OCT	66.30	22.90	43.40	0.00	50.00	-6.60
NOV	80.60	3.44	77.20	0.00	50.00	27.20

DEC	134.00	5.50	128.00	0.00	50.00	78.50
ANN	223,000.00	82,600.00	140,000.00	0.00	50,500.00	101,000.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second									
Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	7.42	0.00	0.00	0.00	0.00	0.04	0.28	0.00	7.74
FEB	15.20	0.00	0.00	0.00	0.00	0.04	0.28	0.00	15.50
MAR	112.00	30.50	0.00	0.00	0.00	0.04	0.28	0.00	143.00
APR	204.00	126.00	0.00	0.00	0.00	0.04	0.28	0.00	330.00
MAY	24.70	345.00	0.00	0.00	0.00	0.04	0.28	0.00	370.00
JUN	12.40	283.00	0.00	0.00	0.00	0.04	0.28	0.00	295.00
JUL	3.60	81.00	0.00	0.00	0.00	0.04	0.28	0.00	85.00
AUG	1.85	41.00	0.00	0.00	0.00	0.04	0.28	0.00	43.20
SEP	2.15	42.40	0.00	0.00	0.00	0.04	0.28	0.00	44.80
OCT	2.56	20.00	0.00	0.00	0.00	0.04	0.28	0.00	22.90
NOV	3.12	0.00	0.00	0.00	0.00	0.04	0.28	0.00	3.44
DEC	5.18	0.00	0.00	0.00	0.00	0.04	0.28	0.00	5.50

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second									
No reservations were found for this watershed.									

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second													
Application #	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IS70353A	CERTIFICATE	50.00	75.00	113.00	113.00	113.00	75.00	50.00	47.80	50.00	50.00	50.00	50.00
Maximum		50.00	75.00	113.00	113.00	113.00	75.00	50.00	47.80	50.00	50.00	50.00	50.00

Detailed Reports for Watershed ID #30530409

Watershed ID #: 30530409 [\(Map\)](#)
Date: 9/13/2017

CAMP CR > CROOKED R - AT MOUTH
DESCHUTES BASIN
Water Availability as of 9/13/2017

Exceedance Level: 50%
Time: 3:29 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second									
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Annual Volume at 50% Exceedance in Acre-Feet						
Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	10.30	1.75	8.55	0.00	0.00	8.55
FEB	21.60	3.66	17.90	0.00	0.00	17.90
MAR	29.50	6.53	23.00	0.00	0.00	23.00
APR	23.20	9.94	13.30	0.00	0.00	13.30
MAY	9.61	18.00	-8.34	0.00	0.00	-8.34
JUN	5.06	14.20	-9.17	0.00	0.00	-9.17
JUL	2.67	4.29	-1.62	0.00	0.00	-1.62
AUG	1.84	2.26	-0.42	0.00	0.00	-0.42
SEP	2.77	2.48	0.29	0.00	0.00	0.29
OCT	5.00	1.81	3.19	0.00	0.00	3.19
NOV	7.09	1.21	5.88	0.00	0.00	5.88
DEC	9.34	1.59	7.75	0.00	0.00	7.75
ANN	7,680.00	4,090.00	4,770.00	0.00	0.00	4,770.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second									
Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	1.74	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.75
FEB	3.65	0.00	0.00	0.00	0.00	0.00	0.01	0.00	3.66
MAR	5.08	1.44	0.00	0.00	0.00	0.00	0.01	0.00	6.53
APR	3.97	5.96	0.00	0.00	0.00	0.00	0.01	0.00	9.94
MAY	1.63	16.30	0.00	0.00	0.00	0.00	0.01	0.00	18.00
JUN	0.86	13.40	0.00	0.00	0.00	0.00	0.01	0.00	14.20
JUL	0.45	3.83	0.00	0.00	0.00	0.00	0.01	0.00	4.29
AUG	0.31	1.94	0.00	0.00	0.00	0.00	0.01	0.00	2.26
SEP	0.47	2.00	0.00	0.00	0.00	0.00	0.01	0.00	2.48
OCT	0.85	0.95	0.00	0.00	0.00	0.00	0.01	0.00	1.81
NOV	1.20	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.21
DEC	1.58	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.59

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second

No reservations were found for this watershed.

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second

No instream flow requirements were found for this watershed.

[Print Report](#)

Oregon Water Resources Department Attribute Report

Report Date: Sep 13, 2017

General:

TRSQQ:	WM18.00S21.00E23SWNW
DLC:	-
Latitude:	43.9979188853
Longitude:	-120.1794286220
Buffer (ft):	1
Elevation (ft):	4024
Basin Name:	Deschutes
Basin Plan:	4-Upper Crooked
County:	Crook
WM District:	11
WM Region:	SOUTH CENTRAL
ODFW Region, District:	High Desert, Deschutes District
Irrigation District AOI:	-
Irrigation District, Other:	-
Dams (Permit):	-
Water Rights:	Platcard for WM18.00S21.00E23
Well Logs:	Logs for WM18.00S21.00E23

Rules:

Withdrawn Authority:	-
Groundwater Retricted:	-
GW Retricted Subunit:	-
GW ODEQ Management Area:	-
GW Umatilla Muni Wells (5mile):	-
Rule 4D:	-

Division 33 (Area, Watershed, species): **UPPER COLUMBIA, Camp Creek, Redband Trout**

Irrigation Season of Use: **Crooked River**
Adj. Status: Adjudicated
Subarea: undefined
Irr. Season: Feb 1 to Dec 1
Duty: NaN
Rate: 1/80

Water Quality Limited

-

Pollutant 2012:

Fish Habitat 2014:

-

Is in Deschutes Study Area:

-

Deschutes Zone Impact:

-Crooked River

Deschutes Zone Overlay:

-

Scenic Water Way:

The Deschutes Scenic Waterway 390.826 (5)
Deschutes River from Little Lava Lake downstream to Crane Prairie Reservoir, from the gaging station immediately below Wickiup Dam downstream to General Patch Bridge, from Harper Bridge downstream to the Central Oregon Irrigation District's diversion str
Status: ABOVE

Hydrography:

OWRD Streamcode:

-

Waterbody Name:

-

HUC 10:

1707030401

HUC Watershed:

Camp Creek

WAB Wshed Order:

21

WAB Analysis:

CAMP CR > CROOKED R - AT MOUTH

Streamflow:

OWRD Opportunities: Fair
ODFW Needs: High
Combined Priority: Not a priority

Gaging Station Data:

-

Application Number: R-88443

Standard Reservoir Application Completeness Checklist

Minimum Requirements

This is the checklist used by WRD staff

County: CRook Township: 185 Range: 21E Section: 22
Amount: 195 AF Use: REC/WOLF/FISH WM Dist # 11
Applicant Name: OREGON RANCHING CO.
Receipt Number: 124289 Case Worker: Barbe.

- ☒ Applicant/Organization Name, Mailing Address, and Telephone Number.
- ☒ All applicants or the applicant's authorized agent (include title or authority if for an organization or corporation), must sign the application in ink. *Signature must be an original "wet" signature. Copies cannot be accepted.*
- ☒ Source of water.
 - ☐ The proposed source **is** or **is not** (circle one) withdrawn from further appropriation. If it is withdrawn under ORS 538, then return application and fees. If it is withdrawn by other means, accept the application and a negative IR will be issued.
- ☒ Property ownership indicated.
- ☒ If applicant does not own all the land, the affected landowner's name and mailing address must be listed.
- ☒ If applicant does not own all the land, a signed statement declaring the existence of either written authorization or an easement permitting access to land crossed by the proposed ditch canal or other work must be submitted.
- ☒ Proposed use of stored water.
- ☒ Amount of water from *each* source in gallons per minute (GPM), cubic feet per second (CFS), or acre feet (AF) 195
- ☒ Project schedule (If system is already completed, indicate "existing").
- ☒ Preliminary plans and specifications including dam height, width, crest width and surface area for each reservoir for all standard reservoir applications

- ☒ You must include a Legal description of all the properties involved where water is diverted, crossed, and used. The Legal description includes a metes and bounds, or other government survey description. A copy of the deed, land sales contract or title insurance policy can provide this information, or you may submit a lot book report prepared by a title company. The Department will not accept a copy of the tax bill.
- ☒ A completed Land-Use Form or receipt signed and dated by the appropriate planning department officials. *Please be certain that the Land-Use form lists all lands involved and all uses proposed. Date of signature must be within the past 12 months. Signature must be an original "wet" signature. Copies cannot be accepted.*
- ☒ A map prepared by a CWRE for a standard reservoir application proposing to store more than 9.2 acre feet and having a dam height of more than 10 feet
- ☒ The map must meet all the minimum requirements of OAR 690-310-0050.
 - ☒ Township, Range, Section
 - ☒ Location of main canals, ditches, pipelines or flumes (if POA/POD is outside of POU)
 - ☒ Place of use, 1/4, 1/4=s and tax lot clearly identified
 - ☒ Even map scale not less than 4" = 1 mile (example: 1" = 100 ft, 1" = 200 ft, etc.)
 - ☒ Location of **each** diversion point, well or dam by reference to a recognized public land survey corner. Multiple wells shall be uniquely labeled, and identified on well logs if existing.
 - ☒ Reference corner on map
 - ☒ North Directional Symbol
 - ☒ Number of acres per 1/4, 1/4, if for irrigation, nursery, or agriculture
 - ☐ Other _____

Fees: Amount of water requested _____

Base Fee \$ _____	Total Exam Fees \$ <u>✓ see print out</u>
1st CFS/AF _____	Permit Recording Fees \$ _____
___ Addtnl CFS/ AF @ _____ = _____	Total Paid \$ <u>2360.00</u>
___ Addtnl POD/POA @ _____ = _____	Amount Due \$ <u>2360.00</u>
___ Addtnl Use @ _____ = _____	Amount Returned \$ <u>0</u>
Reviewed by: <u>B</u>	Date : <u>8.15.17.</u>



Oregon
Kate Brown, Governor

Water Resources Department
725 Summer St NE, Suite A
Salem, OR 97301
(503) 936-0900
Fax (503) 936-0901

September 22, 2017

OREGON RANCHING CO. (TWIN BUTTES RANCH)
62400 PAULINA HWY
POST, OR 97752

Reference: File R-88443

Dear Applicant:

**THIS IS NOT A PERMIT AND IS
SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.**

This letter is to inform you of the preliminary analysis of the water-use permit application and to describe the options. In determining whether an application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The application proposed the diversion of 195.0 acre feet (AF) of water from Davis Creek, a tributary of Camp Creek, for storage in Delamarter Reservoir for fish culture, recreation, and wildlife.
2. The proposed use is not prohibited by law or rule except where otherwise noted below.
3. The diversion of water from Davis Creek, a tributary of Camp Creek for storage in Delamarter Reservoir for fish culture, recreation, and wildlife is allowable under the Deschutes Basin Program (OAR 690-505-0030).
4. Surface water is not available during the period May 1 through February 28/29.
5. OAR 690-033-0120(2) prohibits the diversion of water from April 15 through September 30 of each year.
6. The proposed use is located above the Deschutes Scenic Waterway, as designated under Oregon Revised Statute 390.826.
7. Because this application will have an impact on surface water flows where the Oregon Department of Fish and Wildlife (ODFW) has identified that sensitive, threatened or endangered fish are present, this application will be reviewed by at least ODFW and the Department of Environmental Quality in accordance with OAR 690-033 rules. This review could have an impact on the eventual outcome of your application. This review could cause your application to be proposed for denial, the season of use to be shortened or impacted in some other way when the Department issues a proposed final order at the next stage of processing.

8. The proposed reservoir site is subject to a wetland determination by the Department of State Lands.

Summary of Initial Determinations

The diversion of 195.0 AF of water from Davis Creek, a tributary of Camp Creek, for fish culture, recreation, and wildlife may be allowed March 1 through April 14 of each year.

Because of the Department's determination, the application can be moved to the next phase of the water-rights application review process, where public interest factors will be evaluated. However, due to #4 and #5 above, the application will likely be limited accordingly.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period will be evaluated at the next phase of the process.

At this time, you must decide whether to proceed or to withdraw the application as described below.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw the application and receive a refund (minus a \$225 processing charge per application). To accomplish this you must notify the Department in writing by **Friday, October 6, 2017**. For your convenience you may use the enclosed "STOP PROCESSING" form.

To Proceed With The Application:

If you choose to proceed with the application, you do not have to notify the Department. The application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a Proposed Final Order.

If A Permit Is Issued It Will Likely Include The Following Conditions:

1. Measurement Devices, and Recording/Reporting of Annual Water Storage Conditions

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each point of diversion. The permittee shall maintain the device in good working order.
 - B. The permittee shall allow the watermaster access to the device; provided however, where any device is located within a private structure, the watermaster shall request access upon reasonable notice.
 - C. The permittee shall keep a complete record of the volume of water stored each month, and shall submit a report which includes water-storage measurements to the Department annually, or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.
 - D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.
4. You may be required to install fish screens at the point of diversion to meet Oregon

Department of Fish and Wildlife specifications for adequate protection of aquatic life.

This initial review does not attempt to address various public interest issues such as sensitive, threatened, or endangered fish species. These issues will be addressed as the Department reviews comments from the public and other agencies, and prepares a Proposed Final Order. You should be aware that, if significant public interest issues are found to exist, such a finding could have an impact on the eventual outcome of the application.

The water source identified in the application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's Water Quality Program web site at <http://www.oregon.gov/ODA/programs/NaturalResources/Pages/AgWaterQuality.aspx> to learn more about the plans and how they may affect the proposed water use.

If you have any questions:

Feel free to call me at 503-986-0899 if you have any questions regarding the contents of this letter or the application. Please have the application number available if you call. General questions about water rights and water use permits should be directed to our customer service staff at 503-986-0801. When corresponding by mail, please use this address: Scott Grew, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266. Our fax number is 503-986-0901.

Sincerely,

Scott Grew
Water Right Application Specialist

enclosures: Application Process Description and Stop Processing Request Form

R-88443
WAB 5-30530409
POU 5-30530409
GW

APPLICATION FACT SHEET

Application File Number: R-88443

Applicant: OREGON RANCHING CO. (TWIN BUTTES RANCH)

County: Crook

Watermaster: 11

Priority Date: August 14, 2017

Source: DAVIS CREEK, A TRIBUTARY OF CAMP CREEK

Use: FISH CULTURE; RECREATION; WILDLIFE

Quantity: 195.0 ACRE FEET

Basin Name & Number: Deschutes, #5

Stream Index Reference: Volume 2A CAMP CR & TRIBS

Point of Diversion: SENE SECTION 22, T18S, R21E, W.M.; 250 FEET NORTH AND 60 FEET WEST FROM E1/4 CORNER, SECTION 22

Place of Use:

SE $\frac{1}{4}$ NE $\frac{1}{4}$
SE $\frac{1}{4}$ NW $\frac{1}{4}$
SECTION 22

NW $\frac{1}{4}$ NW $\frac{1}{4}$
SW $\frac{1}{4}$ NW $\frac{1}{4}$
SECTION 23

TOWNSHIP 18 SOUTH, RANGE 21 EAST, W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, October 6, 2017

PUBLIC NOTICE DATE: Tuesday, September 26, 2017

30 DAY COMMENT DEADLINE DATE: Thursday, October 26, 2017

APPLICATION PROCESS DESCRIPTION FOR GROUNDWATER, SURFACE WATER AND REGULAR RESERVOIR APPLICATIONS

In order to take and use the waters of Oregon, a citizen must first obtain a permit from the Water Resources Department. The water must be used for beneficial purpose - without waste. To become well-informed about water right topics, weekly public notice, forms and fees please visit our web site at www.wrd.state.or.us

1. Pre-application considerations

- follow instructions in the application packet
- if you have questions about completing an application or would like to arrange a pre-application conference contact the Department's Water Rights Information Group (WRIG) at 503-986-0801

2. Application filing

- application with fee is received by the Department
- Department determines completeness of application
- if use is not allowed by statute (ORS 538), the application and fees are returned to the applicant
- incomplete application and fees are returned to the applicant
- only a complete application receives a tentative priority date, is assigned a caseworker, and moves forward for processing

3. Initial Review (IR)

- caseworker reviews application by considering basin plans, water availability, statutory restrictions and all other appropriate factors
- caseworker sends IR report to applicant
- contact the caseworker if you have questions about the IR
- seven days after date of the IR, it is included in Department's weekly Public Notice
- public comments must be submitted within 30 days after the Public Notice
- **administrative hold** may be requested in writing by applicant

4. Proposed Final Order (PFO)

- caseworker evaluates application against required criteria and develops draft permit, if appropriate
- PFO includes instructions for filing of protests
- caseworker considers public comments and mails PFO to applicant
- the PFO is included in Department's weekly Public Notice
- public protests to the PFO must be submitted within 45 days after the Public Notice

Stop Processing deadline is within 14 days of Initial Review - use the form below

- applicant may request no further action and fee refund of all but \$225

STOP PROCESSING REQUEST FOR GROUNDWATER, SURFACE WATER AND REGULAR RESERVOIR APPLICATIONS

Applicant notification to withdraw Water Right Application # _____

After reviewing the Initial Review for my application, I request that processing be stopped and the fees be refunded (minus a \$225 examination fee.) I understand that without a valid permit I may not legally use the water as requested in my application

Signature _____ date _____

Signature _____ date _____

Under ORS 537.150(5) and 537.620(5) timely submission of this request authorizes that the water right application process be stopped and all filing fees (except \$225 examination fee) be returned.

This notice must be received at Water Resources Department by _____

Return the notice to: OWRD, Water Rights Division

STOP PROCESSING

725 Summer Street, NE - Suite A

Salem OR 97301-1271

5. Final Order (FO)

- if no protest is filed, Final Order is issued

The protest process

If one or more protests are filed, permit process consists of:

- settlement discussion
- contested case hearing
- proposed order
- period of time to file exceptions
- possible hearing by Water Resources Commission
- final order issued

Permit holder responsibilities

- comply with all water use conditions of the permit
- advise Department of address change or assignment to new permit holder
- if need arises, request extension of time or authorize cancellation of permit
- submit timely claim of beneficial use (COBU) to Department
- most permits require COBU to be prepared by a Certified Water Right Examiner
- permits may be canceled by the permit holder or by the Department for failure to comply with or one or more permit conditions

Mailing List for IR Copies

Application #R-88443

IR Date : September 22, 2017

Original and map mailed to applicant:

OREGON RANCHING CO. (TWIN BUTTES RANCH), 62400 PAULINA HWY, POST, OR 97752

SENT VIA EMAIL:

1. WRD - Watermaster # 11
- 2 ODFW
- 3 DEQ

Copies sent to:

1. WRD - Hydrographics

Copies Mailed
By: <u>SP</u>
(SUPPORT STAFF)
on: <u>9-25-17</u>
(DATE)

IR, Map, and Fact Sheet Copies sent to:

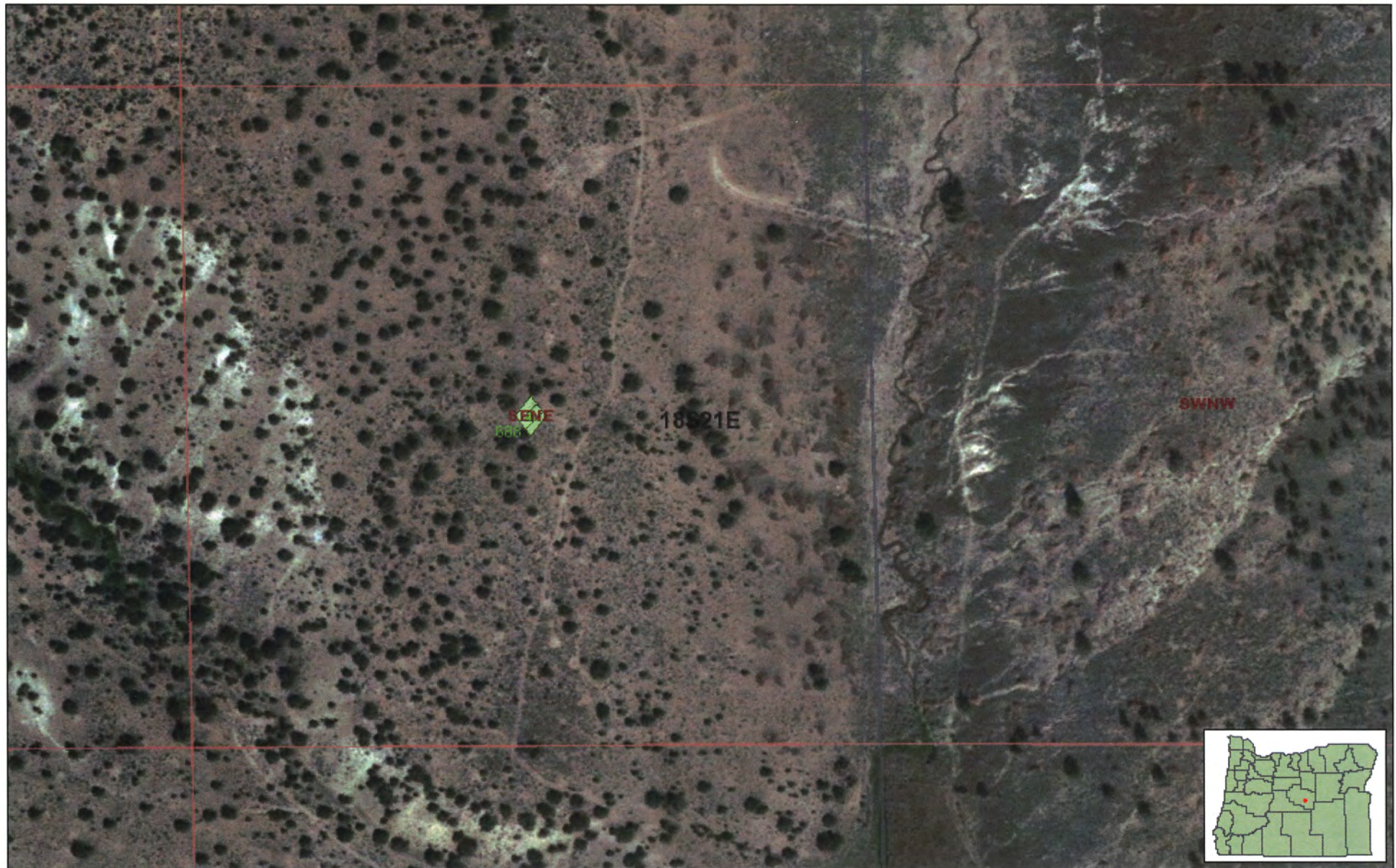
2. WRD - File # R-88443
3. Department of Agriculture
4. Columbia River Intertribal Fish Commission, Julie Carter,
729 NE Oregon St, Ste 200, Portland OR 97232
5. US Fish & Wildlife Service, Gary Miller, 3502 Hwy 30, La Grande, OR 97850
6. NW Power Planning Council, Fish & Wildlife Division, Karl Weist
851 SW Sixth Ave, Ste 1020, Portland OR 97204
7. Confederated Tribes of the Umatilla Indian Reservation, Carl Merkle or Jennifer Hudson
Nixyaawii Governance Center, 46411 Timine Way, Pendleton OR 97801
8. National Marine Fisheries Service, Spencer Hovekamp
3502 Hwy 30, La Grande, OR 97850

Application Specialist: Scott Grew

Oregon Ranching Co. (Twin Buttes Ranch)

March 2, 2018

Oregon Water Resources Department
725 Summer St NE, Suite A, Salem, OR 97301
(503)986-0900



Water Rights by Type

Points of Diversion

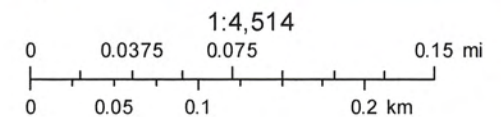
- Surface Water
- Surface Water
- Groundwater

Water Rights by Use

- Recreation
- Fish
- Wildlife
- Irrigation
- Misc.
- Agriculture
- Livestock
- Irrigation
- Mining

By Primary/Supplemental

- Power
- Commercial
- Domestic
- Primary
- Supplemental



Water Rights Section – Application Comment Evaluation Form

Date: February 23, 2018

Caseworker: Scott Grew

Application Number: R-88443

Name of Commentor: Kimberley Priestley / WaterWatch of Oregon

Description: Commentor is concerned about impacts to resources

Evaluation of Comment: The Department reviewed the comments made by the applicant and has determined that regulation and proper conditions imposed on this application will protect resources.

Finding for PFO: The Department considered the comments made by the applicant, however the findings have not changed/the permit has not been conditioned further because of them.



October 18, 2017

Scott Grew
Water Rights Section
Water Resources Department
725 Summer St N.E., Suite "A"
Salem, OR 97301-1271

Re: Comments, Oregon Ranching Co (Twin Buttes Ranch), R-88443

Dear Mr. Grew

WaterWatch is river conservation dedicated to promoting water policies for Oregon that provide the quality and quantity of water necessary to support fish, wildlife, recreation and other instream values.

WaterWatch opposes the issuance of R-88443 in the name of Oregon Ranching Company (Twin Buttes Ranch).

As the WRD is aware, in late 2014 the Crooked River Collaborative Jobs and Security Act of 2104 passed Congress and was signed into law by President Obama. This new federal law authorizes the storage and release of nearly half the water stored behind Prineville Reservoir for downstream fish and wildlife. Prineville Reservoir has a water right to store 155,000 AF of water. Under the Act, approximately 68,000 AF is set aside for existing irrigation contracts, 5,100 AF for City of Prineville instream mitigation water, 10,000 AF available to irrigation interests who might want/need a temporary contract (or if not, it can be used by downstream fish), 2,740 AF for additional irrigation upon a transfer of live flow rights on McKay Creek instream and all the remaining water, approximately 69,000 AF, to downstream fish and wildlife. Earlier this year, the BOR transferred the existing irrigation storage right to a right that allows for storage for downstream fish and wildlife and mitigation for the city of Prineville, in addition to existing irrigation uses.

Filling of the reservoir on an annual basis is paramount for fulfilling the intent of the Act. The water right for the storage project dates has a priority date of 1914. The Act directs releases for downstream fish, which means that the reservoir will likely be drawn down to levels not previously experienced on a regular basis. Access to all water provided under the Bureau's storage right is paramount to the annual refilling of the reservoir and the fulfillment of the Act. To that end, the WRD should not be issuing any new rights that would jeopardize filling into the future. The Crooked River system is already overappropriated and sensitive and threatened fish habitat is already sorely compromised; it is not in the public interest to issue any further water rights in the Crooked River basin.

RECEIVED

OCT 18 2017

OWRD

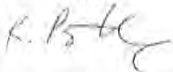
Main Office: 213 S.W. ASH ST. STE 208, PORTLAND, OR 97204 TEL: 503-295-4039
Field Office: P.O. BOX 261, ASHLAND, OR 97524 TEL: 541-708-0731
Visit us at: www.waterwatch.org

WaterWatch urges the WRD to deny the applications for the reasons outlined below:

- (1) The proposed use will injure the Bureau of Reclamation's storage right for water stored in Prineville Reservoir.
- (2) The proposed storage project will negatively impact the migration, spawning and rearing of native redband trout in the Upper Crooked River system.
- (3) The proposed storage project will negatively impact instream habitat in the Crooked River used by federally threatened mid-Columbia Steelhead.
- (4) The proposed storage project will degrade water quality, resulting in the diminution of habitat of sensitive and threatened fish species.
- (5) The proposed storage project will negatively impact scenic waterway flows. The Scenic Waterway Act demands denial of any application which will reduce flows within or above a scenic waterway. In the Deschutes Basin, scenic waterway flows on the lower Deschutes protect all flows throughout the Deschutes/Crooked/Metolius system. These flows are regularly not met.
- (6) The proposed storage project will injure downstream instream water rights in the Deschutes, which also are regularly not met¹.
- (7) The applicant has not indicated that he would provide telemetric measurement devices that would measure inflow/outflow/stage and also ensure no diversion outside the storage season. Moreover, in the IR the WRD is not requiring telemetric measuring; without this, there is no way the WRD can ensure against injury.
- (8) Without an increase in regulatory staff/resources, the Central Oregon watermaster office simply does not have enough staff to fully regulate existing water rights, let alone any new rights, and thus the WRD could not protect against injury if these permits were to be issued.

Conclusion: For the reasons outlined above, as well as others, we urge the WRD to deny this application. Issuance of this permit is not in the public interest and is contrary to the many flow restoration efforts taking place in the Crooked River basin, not least of which is the newly passed Federal Act.

Sincerely,



Kimberley Priestley
Sr. Policy Analyst

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OCT 18 2017

OWRD

-
- (1) While instream water rights have not yet been established on the Crooked below Bowman, as part of the Pelton Round Butte hydroelectric settlement negotiation the state adopted a "no futile call" policy between the lower and upper basins, meaning that the downstream instream water rights on the lower Deschutes protect flows throughout the upper Deschutes/Crooked/Metolius basins.



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

Application for a Permit to Store Water in a Reservoir (Standard Review)

Standard Review Process (ORS 537): You must use this form for any reservoir storing more than 9.2 acre-feet and with a dam more than 10 feet high.

Use a separate form for each reservoir. However, to obtain authorization for multiple reservoirs, multiple forms may be combined into one application if filed at the same time.

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml

1. APPLICANT INFORMATION

Applicant: _____ Oregon Ranching Co. (Twin Buttes Ranch) _____
First Last

Mailing Address: _____ 62400 Paulina Hwy _____

_____ Post _____ OR _____ 97752 _____
City State Zip

Phone: _____ (310) 248-7389 _____ (541) 477-3229 _____
Home Work Other

Fax: _____ (541) 477-3329 _____ E-Mail Address*: _____

* By providing an e-mail address, consent is given to receive all correspondence from the department electronically. (paper copies of the final order documents will also be mailed.)

I(We) make application for a permit to construct a reservoir and store the following described waters of the State of Oregon. The name of the reservoir is _____ Delamarter Reservoir _____.

2. SOURCE OF WATER for the proposed use: _____ Davis Creek _____,
a tributary of _____ Camp Creek _____.

Is the proposed use an enlargement of an existing dam/reservoir? Yes

No

If the reservoir is not in channel of a stream, state how it is to be filled:

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AUG 14 2017

SALEM, OR

For Department Use

App. No. R-88443

Permit No. _____

Date _____

3. DAM HEIGHT AND COMPOSITION

The maximum height of the structure will be 38 feet above streambed or ground surface at the centerline of the crest of the dam.

Attach preliminary plans, specifications and supporting information for the dam and impoundment area including dam height, width, crest width and surface area.

*Note: If your dam height is greater than or equal to 10.0' above land surface **AND** your reservoir will store equal to or greater than 9.2 acre-feet, engineered plans and specifications must be approved prior to storage of water.*

SEE ATTACHED

The dam will be (check one):

☒ Earthfill

☐ Concrete

☐ Flash board

☐ Other

If "other" give description:

4. PRIMARY OUTLET WORKS

Describe the location and the dimensions of the outlet conduit through the dam:

8" corrugated metal pipe near creek line

NOTE: Most dams across a natural stream channel will need an outlet conduit having a minimum diameter of 8 inches or greater.

5. EMERGENCY SPILLWAY

Describe the location and the dimensions of the spillway channel:

To be determined by the engineer as is reasonably feasible; however, prior to hiring an engineering firm, the applicant is waiting to determine whether the Oregon Water Resources Department will approve the reservoir. The spillway would likely be located around the west side of the dam, but more specifics will be determined when an engineer is hired.

There is also a bypass channel around the west side of the dam that will go through the spillway to provide safe fish passage.

6. THE USE(s) of the impounded water will be: Recreation, Fish Life, Wildlife

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AUG 14 2017

SALEM, OR

7. **THE AMOUNT OF WATER** to be stored is: _____ 195 _____ acre-feet.
The area submerged by the reservoir, when filled, will be _____ 19.1 _____ acres.

8. PROJECT SCHEDULE: (List **Month** and **Year**)

Proposed date construction work will begin: ____ Upon permit issuance _____

Proposed date construction work will be completed: ____ Within 5 years of permit issuance _____

Proposed date water use will be completed: ____ Within 5 years of permit issuance _____

Is this project fully or partially funded by the American Recovery and Reinvestment Act? (Federal stimulus dollars) **NO**

9. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

☒ Yes (Please check appropriate box below then skip to section 10)

☒ There are no encumbrances

This land is encumbered by easements, rights of way, roads or other encumbrances (please provide a copy of the recorded deed(s))

☐ No (Please check the appropriate box below)

I have a recorded easement or written authorization permitting access.

I do not currently have written authorization or an easement permitting access.

Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map. SEE ATTACHED DEED.

RECEIVED BY OWRD

List the names and mailing addresses of all affected landowners:

AUG 14 2017

11. WITHIN A DISTRICT

SALEM, OR

☐ Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

11. MAP REQUIREMENTS The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section and quarter/quarter section of the proposed reservoir location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

12. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to get water to which they are entitled.

I certify that the information I have provided in this application is an accurate representation of the proposed water use and is true and correct to the best of my knowledge:

Applicant: _____

Signature (If more than one applicant, all must sign.)

6/09/17
Date

Before you submit your application be sure to:

- Answer each question completely.
- Attach a legible map that includes township, range, section, quarter/quarter and tax lot.
- Include a Land Use Information Form or receipt stub signed by a local official.
- Include the legal description of all the property involved with this application. You may include a copy of your deed land sales contract or title insurance policy to meet this requirement.
- Include a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

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SALEM, OR

Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

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SALEM, OR

R-88443

Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Applicant: Oregon Ranching Co. (Twin Buttes Ranch)

Last

Mailing Address: 62400 Paulina Hwy

Post
City

OR
State

97752
Zip

Daytime Phone: (541) 477-3229

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:	Proposed Land Use:
18S	21E	22	SE NE	300		☒ Diverted ☐ Conveyed ☒ Used	Exclusive Farm Use
18S	21E	23	NW NW	300		☐ Diverted ☐ Conveyed ☒ Used	Exclusive Farm Use
18S	21E	23	SW NW	300		☐ Diverted ☐ Conveyed ☒ Used	Exclusive Farm Use
						☐ Diverted ☐ Conveyed ☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed

Crook County

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B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water
 ☐ Water Right Transfer
 ☐ Permit Amendment or Ground Water Registration Modification
☐ Limited Water Use License
 ☐ Allocation of Conserved Water
 ☐ Exchange of Water

Source of water: ☐ Reservoir/Pond ☐ Ground Water ☒ Surface Water (name) Davis Creek

Estimated quantity of water needed: 195 ☐ cubic feet per second ☐ gallons per minute ☒ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☐ Municipal ☐ Quasi-Municipal ☐ Instream ☒ Other Multipurpose

Briefly describe:

Applicant will construct a reservoir to store water from Davis Creek.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): 18.16.010
- ☐ Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) If approvals have been obtained but all appeal periods have not ended, check "Being pursued."

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

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Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Agricultural uses are outright uses in the County's exclusive farm use zone.

Name: Ann Beier Title: Asst Director
 Signature: A Beier Phone: 503 447 3211 Date: 6/2/2017
 Government Entity: Crook County Community Development

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

Preliminary Plans, Specifications & Supporting Information

Dam height: 38 feet

Dam width: 1,000 feet

Crest width: 14 feet

Surface area: 19.1 acres

See also, application map

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SALEM, OR

R-88443

Until a change is requested, all tax statements shall be sent to:

Rick B. Delamarter
3396 Stoneridge Lane
Los Angeles, California 90077

After recording return to:

Oregon Ranching Company
c/o Rick B. Delamarter
3396 Stoneridge Lane
Los Angeles, California 90077

Crook County Official Records 2010-240361
DEED-D 04/27/10 09:30 AM

Total Fees \$59.00
\$15.00 \$11.00 \$16.00 \$2.00 \$5.00 \$10.00



01056936201002403610830038

I, Deanna Berman, County Clerk for Crook
County, Oregon, certify that the instrument
identified herein was recorded in the Clerk
records

Deanna Berman



STATUTORY QUITCLAIM DEED

Delamarter Ranches Limited Partnership, Grantor, releases and quitclaims to Oregon Ranching Company, dba Twin Buttes Ranch, Grantee, all right, title, and interest in and to the following described real property:

SEE EXHIBIT A WHICH IS MADE A PART HEREOF BY THIS REFERENCE

1821-0 TL300 REF#6589
1722-0 TL200 REF#5820
1722-0 TL401 REF#5823
1722-0 TL1101 REF#13411

1821-0 TL400 REF#6590
1722-0 TL400 REF #5822
1722-0 TL403 REF#12926
1722-0 TL1400 REF#5833

The above-described property is free of encumbrances except all those items of record, if any, as of the date of this deed and those show below if any.

The true consideration for this conveyance is \$1.

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, AND SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF

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ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, AND SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009.

Dated this 21 day of April, 2010.

By: Rick B Delamarter
Rick B. Delamarter
Delamarter Ranches Limited Partnership

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES

On this 21st day of APRIL, 2010, personally appeared before me, a notary public, RICK DELAMARTER, who acknowledged to me that he executed the foregoing instrument.

K.M. Grooms
Notary Public

Dated this 21st day of APRIL, 2010.

By: Janna L. Delamarter
Janna L. Delamarter
Delamarter Ranches Limited Partnership

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES

On this 21st day of APRIL, 2010, personally appeared before me, a notary public, JANNA DELAMARTER, who acknowledged to me that he executed the foregoing instrument.

K.M. Grooms
Notary Public



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SALEM, OR

R-88443

EXHIBIT A

TRACT I:

In Township 17 South, Range 22 East of the Willamette Meridian:

Section 2: Lots 1 and 2, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$.

Section 3: All.

Section 8: SW $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$.

Section 9: All.

Section 11: All.

Section 13: All.

Section 14: All.

Section 15: All.

Section 16: N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, EXCEPTING S $\frac{1}{2}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$.

Section 17: All, EXCEPTING All that portion of the NE $\frac{1}{4}$ NE $\frac{1}{4}$ lying North of the Paulina Highway right of way (Oregon Highway No. 380)

Section 21: All.

Section 22: NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, EXCEPTING SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$.

Section 23: All.

In Township 18 South, Range 21 East of the Willamette Meridian:

Section 1: S $\frac{1}{2}$ S $\frac{1}{2}$, EXCEPTING that certain dam located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ deeded to Les Schwab Tire Centers of Oregon, Inc. by deed recorded August 20, 1975 in Deeds No. 32192, Records of Crook County, Oregon.

Section 2: S $\frac{1}{2}$ S $\frac{1}{2}$.

Section 11: N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$.

In Township 18 South, Range 21 East of the Willamette Meridian:

Section 12: N $\frac{1}{2}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, EXCEPTING that certain dam located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ deeded to Les Schwab Tire Centers of Oregon, Inc. by deed recorded in Deeds No. 32192, Records of Crook County, Oregon.

Section 13: W $\frac{1}{2}$ E $\frac{1}{2}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$.

Section 14: S $\frac{1}{2}$ S $\frac{1}{2}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$.

Section 15: SE $\frac{1}{4}$ SE $\frac{1}{4}$.

Section 16: E $\frac{1}{2}$.

Section 21: NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$.

Section 22: S $\frac{1}{2}$, S $\frac{1}{2}$ N $\frac{1}{2}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$.

Section 23: N $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$.

Section 26: NW $\frac{1}{4}$ NW $\frac{1}{4}$.

Section 27: N $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$.

TRACT II:

In Township 17 South, Range 22 East of the Willamette Meridian:

Section 16: S $\frac{1}{2}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$.

TRACT III:

In Township 17 South, Range 22 East of the Willamette Meridian:

Section 22: SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, EXCEPTING THEREFROM the right of way deeded to the State of Oregon, by and through its State Highway Commission, recorded in Book 78 of Deeds at page 419, Records of Crook County, Oregon.

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SALEM, OR

R-88443

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada, Washington & Utah

Therese A. Ure
Licensed in Oregon
& Nevada

William F. Schroeder
(1928 - 2015)



SCHROEDER
LAW OFFICES, P.C.

Sarah R. Liljefelt
Licensed in Oregon, California
& Utah

Wyatt E. Rolfe
Of Counsel
Licensed in Oregon & Washington

James Browitt
Of Counsel
Licensed in Idaho & Washington

August 10, 2017

VIA U.S. MAIL

Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

RE: Application to Store Water

To Whom It May Concern:

Enclosed for filing on behalf of Oregon Ranching Co. please find an Application to Store Water in a Reservoir, with a check for the \$2,360.00 filing fee.

Thank you for your assistance with this matter. Please contact our office if anything further is needed to process the Application.

Very truly yours,
SCHROEDER LAW OFFICES, P.C.

Sarah R. Liljefelt

SRL:

Enclosures

cc: Client

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SALEM, OR

1915 NE Cesar E. Chavez Boulevard, Portland, Oregon 97212 (503) 281-4100

10615 Double R Boulevard, Reno, Nevada 89521 (775) 786-8800

www.water-law.com counsel@water-law.com

(P0372454; 1022.05 LMT)

R-88443



Oregon Water Resources Department

Permit to Appropriate Surface Water for Storage -Standard Reservoir Application

[Main](#)[Help](#)[Return](#)[Contact Us](#)

Today's Date: Tuesday, August 15, 2017

Base Application Fee.		\$930.00
Number of acre feet to be diverted for Storage.	195	\$910.00
Number of reservoirs.	1	
Permit Recording Fee. ***		\$520.00
*** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$2,360.00

OWRD Fee Schedule

Fee Calculator Version: B20170117

APPLICATION #: _____

CASEWORKER: _____

PLANS & SPECS: _____

DAM NAME: _____



PLANS RECEIVED

DATE RECEIVED: _____



SENT TO DAM SAFETY

DATE SENT: _____



PLANS APPROVED

DATE APPROVED: _____

APPLICATION #: _____

CASEWORKER: _____

PLANS & SPECS: _____

DAM NAME: _____



PLANS RECEIVED

DATE RECEIVED: _____



SENT TO DAM SAFETY

DATE SENT: _____



PLANS APPROVED

DATE APPROVED: _____

Application for a Permit to Store Water in a Reservoir (Standard Review)



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

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AUG 14 2017

SALEM, OR

Water-Use Permit Application Processing

1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 (www.oregon.gov/owrd/law.oar). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$260. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$410.00 for the applicant and \$810.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

6. Final Order Issued

If no protests are filed, the Department can issue a Final Order within 60 days of the close of the period for receiving protest. If the application is approved, a permit is issued. The permit specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

- | | |
|---|---|
| ☒ SECTION 1: applicant information | ☒ SECTION 7: the amount of water to be stored |
| ☒ SECTION 2: source of water | ☒ SECTION 8: project schedule |
| ☒ SECTION 3: dam height and composition | ☒ SECTION 9: property ownership |
| ☒ SECTION 4: primary outlet works | ☒ SECTION 10: within a district |
| ☒ SECTION 5: emergency spillway | ☒ SECTION 11: map requirements |
| ☒ SECTION 6: the use of the impounded water | ☒ SECTION 12: signature |

Attachments:

-
- ☒ Land Use Information Form with approval and signature (*must be an original*) or signed receipt
 - ☒ Provide the legal description of: (1) the property on which the water is to be stored, and (2) any property crossed by the proposed ditch, canal or other work
 - ☒ Fees - Amount enclosed: \$ 2,360.00
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
 - ☒ Preliminary plans and specifications including dam height, width, crest width and surface area for each reservoir

Provide a map and check that each of the following items is included:

-
- ☒ Map must be prepared by Certified Water Rights Examiner
 - ☒ Permanent quality and drawn in ink
 - ☒ Even map scale not less than 4" = 1 mile (examples: 1" = 400 ft, 1" = 1320 ft,)
 - ☒ North Directional Symbol
 - ☒ Township, Range, Section, Quarter/Quarter, Tax Lots
 - ☒ Reference public-land survey corner on map
 - ☒ Location of each dam if applicable, by reference to a recognized public-land survey corner (distances north/south and east/west)
 - ☒ Indicate the area of use by Quarter/Quarter and tax lot identified clearly
 - ☒ Number of acres per Quarter/Quarter and hachuring to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - ☒ Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)
 - ☐ Other _____

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SALEM, OR

***Please note a secondary application is necessary if there will be out-of-reservoir uses associated with this application.**

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

R-88443

Oregon Ranching Co.
(Twin Buttes Ranch)
62400 Paulina Hwy
Post, OR 97752



9590 9402 2628 6336 8314 26

2. Article Number (Transfer from service label)

7016 0340 0000 0163 9044

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Brenda Hartzell

☐ Agent☐ Addressee

B. Received by (Printed Name)

BRENDA HARTZELL

C. Date of Delivery

9-28-17

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☒ No

OCT 03 2017

OWRD

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Insured Mail☐ Insured Mail Restricted Delivery (over \$500)☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **124289**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

INVOICE # _____

RECEIVED FROM: Twin Buttes Ranch
BY: _____

APPLICATION	<u>R-88443</u>
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☒ 10368 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D \$ 2360.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES	\$
OTHER: (IDENTIFY) _____	\$

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS 46111

0407 COPY & TAPE FEES	\$
0410 RESEARCH FEES	\$
0408 MISC REVENUE: (IDENTIFY) _____	\$
TC162 DEPOSIT LIAB. (IDENTIFY) _____	\$
0240 EXTENSION OF TIME	\$

WATER RIGHTS:		EXAM FEE	RECORD FEE
0201 SURFACE WATER		\$ <u>1,840.00</u>	0202 \$ <u>520.00</u>
0203 GROUND WATER		\$	0204 \$
0205 TRANSFER		\$	
WELL CONSTRUCTION		EXAM FEE	LICENSE FEE
0218 WELL DRILL CONSTRUCTOR		\$	0219 \$
LANDOWNER'S PERMIT			0220 \$
OTHER (IDENTIFY) _____			

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #	
0210 MONITORING WELLS	\$	CARD #	
OTHER (IDENTIFY) _____			

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD)		\$
0231 HYDRO LICENSE FEE (FW/WRD)		\$
HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND _____	TITLE _____	
OBJ. CODE _____	VENDOR # _____	
DESCRIPTION _____		\$

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