



State of Oregon
 Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900

Application for Allocation and Use of Conserved Water

Please type or print in dark ink. If your application is found to be incomplete, inaccurate or does not include the required fees, we will return it to you. If any requested information does not apply to your application, insert "n/a." If you need additional space to answer any of the questions, attach a separate sheet of writing paper and reference the section number and question. 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

Name: Glenn Chowning and Ken VanDewall, Terra Poma Land, LLC.
 Address: P.O. Box 862, Hermiston, OR 97838
 Phone(s): (541) 567-1010
 *Fax: _____ *E-Mail address: gchowning@charter.net

*Optional information

2. AGENT INFORMATION

The agent listed is authorized to represent the applicant in all matters relating to this allocation of conserved water application.

Name: Molly Reid, GSI Water Solutions, Inc.
 Address: 1020 N. Center Parkway, Suite F, Kennewick, WA 99336
 Phone(s): (509) 735-7135
 *Fax: _____ *E-Mail address: mreid@gsiws.com

*Optional information

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3. IRRIGATION & WATER CONTROL DISTRICTS

Is the project within the boundaries of an irrigation district or water control district?

Yes No

If yes, include Exhibit E and list the name and mailing address of the district:

n/a

Did an irrigation district organized under ORS Chapter 545 or a water control district organized under ORS Chapter 553 file this allocation of conserved water?

Yes No

If yes, when was the District's OAR 690-018-0025 allocation of conserved water policy adopted? n/a

4. CURRENT WATER RIGHT INFORMATION

A separate page providing the information in Section 4 must be completed for each certificate, permit, decree, or other right involved in the proposed allocation of conserved water.

Water Right Subject to Transfer (check and complete **one** of the following):

<input checked="" type="checkbox"/> Certificated Right	<u>52082</u> Certificate Number	<u>36940</u> Permit Number or Decree Name
<input type="checkbox"/> Adjudicated, Un-certificated Right	_____ Name of Decree	_____ Page Number
<input type="checkbox"/> Permit for which Proof has been Approved	_____ Permit Number	_____ Date Claim of Beneficial Use Submitted
<input type="checkbox"/> Transferred Right for which Proof has been Filed	_____ Previous Transfer Number	_____ Date Claim of Beneficial Use Submitted

Name on Permit, Certificate, or Decree: Paul T & Esther J. Jasa, Estate of Oscar Peterson, Fred W., Judy and Barbara Andrews, Paul C. & Ann R. Cimmiyotti

County: Morrow

Provide the following information about the water right of record:

1. Priority Date: June 29, 1973
2. Source of Water: Columbia River
3. Type of Use: Irrigation

Does the application have a water right involving more than one water right holder?

Yes No

If yes, are all water right holders applying for this allocation of conserved water?

Yes No. If no, include Exhibit J.

A) What is the maximum rate and annual duty (volume) of water that may be diverted as stated on the water right of record? *(If the water right is only limited by rate, do not list a duty, and conversely, if the water is only limited by duty, do not list a rate.)*

1. Rate* (cfs): 29.0 cfs for whole water right; 7.4 cfs for Jasa portion of the right involved in this application

Note: 1 miner's inch = 1/40 cfs; 1 cfs = 448.8 gpm

2. Duty* (acre feet): 4.5 acre feet per acre (1,426.05 acre feet for 316.9 acres involved in this application)

Note: 1 cfs = 1.983471 ac-ft/day

* If there are multiple **Priority Dates** on the water right, list the rate and duty by priority date.

B) What is the maximum amount of water that can be diverted using the pre-project facilities? *(If the water right is only limited by rate, do not list a duty, and conversely, if the water is only limited by duty, do not list a rate.)*

1. Rate (cfs): 29.0 cfs
2. Duty (acre feet): 4.5 acre feet per acre

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C) Describe the pre-project water delivery system. Include information on the diversion structure, pumps, and conveyance facilities (including canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use). *Provide sufficient detail to confirm that the applicant is ready, willing, and able to exercise the right.*

The distribution systems consists of a river pumping station located on the south bank of the Columbia River (NE/NW Section 2, T4N R25E, W.M.) There are five pumps ranging from 150 hp to 300 hp at the river pumping station. From the river pumping station water is pumped south through approximately 16,000 feet of 54 inch and 48 inch steel pipe to the crossing at Interstate 84. There is a 1350 horsepower lift pump for the low lift portion at the river, an 8600 horsepower pump at the high lift station, and a 600 horsepower booster at the junction with Interstate 84. We have 1,500 feet of six inch portable mainline to distribute water to the solid sets. Some of this must be moved to irrigate all of the corners. We also have 800 pieces of three inch handline for solid sets. Some of which also must be moved to complete irrigation. The Jasa 1 and Jasa 2 circles have 10 inch PVC mainline and Jasa 3 has a 6 inch mainline. The circles and corners had previously been irrigated with sprinkler heads delivering 10 gallons a minute per acre (125 acre circle @ 10 gal. minute per acre = 1250 gallons per minute.)

5. CONSERVATION MEASURES

A) Describe the type of project, check all that apply:

- On-Farm efficiency project
- Distribution project, such as a ditch piping or lining project
- Other, variable speed pumps

B) Describe the proposed changes to the physical system, operations and application methods that will result in the conservation of water. If these proposed changes will change the point of diversion, see point of diversion requirement for Exhibit B. *Provide sufficient detail for public noticing the project.*

The conservation measures taken consist of flow reduced from 10 gallons per minute per acre to 7 gallons per minute per acre. This is accomplished by installation of state of the art new low pressure, low flow spray nozzles and using IRZ's monitoring system; applying mint slugs to increase water holding capacity; use of cover crops plowed down to increase water holding capacity; stop irrigation of corners which is not cost effective as they are very sandy soils and moving water to heavier soils will produce more using less water; modifying the center pivot circle irrigation machines to operate at lower pressures and reduced flows. The end gun shot-offs were installed to prevent double watering, and watering of land that can't be farmed (i.e. freeway and highway right-of-way.)

C) Place of Use*: 4N 26E Sec.7 NESW, SESW, NESE, NWSE, SWSE, SESE; Sec.8 SWSW SESW; Sec. 17 NENW, NWNW, SWNW, SENW; Sec. 18 NENE, NWNE, SENE
 TOTAL 316.9 acres

Township	Range	Section	Quarter/Quarter	Total No. Acres
* Not required for a distribution project that does not propose to affect the on-farm rate or duty. If the entire water right is being affected, just state "entire right affected."				

6. CONSERVED WATER

A) What amount of water will be needed for the existing, authorized use after implementing conservation measures? *(If the water right is only limited by rate, do not list a duty, and conversely, if the water is only limited by duty, do not list a rate.)*

1. Rate* (cfs): _____
2. Duty* (acre feet): 3.5 acre feet per acre for 270 acres (945 acre feet)
 * If there are multiple **Priority Dates** on the water right, list the rate and duty by priority date.

B) What amount of water will be conserved as a result of the implementation of the conservation measures? Subtract 6A from the smaller of 4A or 4B under "irrigation system" above.

1. Rate* (cfs): _____
2. Duty* (acre feet): 1 acre foot per acre for 270 acres (270 acre feet)
 * If there are multiple **Priority Dates** on the water right, list the rate and duty by priority date.

C) What portions of the conserved water will be allocated to the state and applicant?

1. Portion going to the state (list by percent, rate and duty):
25 Percent _____ Rate (cfs) 67.5 Duty (AF)
2. Portion going to the applicant (list by percent, rate and duty):
75 Percent _____ Rate (cfs) 202.5 Duty (AF)

D) The priority for the conserved water is requested to be:

- The same as the original right, or
- One minute junior to the original right.

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- E) If all or part of the applicants' portion of the conserved water is to be used for an out-of-stream use at an identified location:
1. Name and address of the person using the water: Glenn Chowning and Ken VanDewall
 2. Description of the type of beneficial use of the water: Irrigation
 3. Legal description of the place of use: 3N 27E Section 8, N 1/2
- F) If all or part of the applicants' portion of the conserved water is to be leased*, dedicated or temporarily reserved instream, a statement identifying the quantity of water to be managed as an instream water right: n/a
- * Water can be temporarily protected instream without filing an OAR 690-077 Instream Lease application.*

7. LOCATION OF PROPOSED USE

- A) For new out-of-stream uses, describe the boundaries of the expected area within which the diversion structures and places of use of the applicants' conserved water right would be located. This is land other than that to which this water right is appurtenant. See Exhibit B. The new place of use is located in T.3N R.27E Section 8 (north half.) These lands will continue to use the same POD as the existing surface water right. Water will be piped through Columbia Improvement District's system to a pump station on the Columbia Improvement District canal. The water is transferred through a 72 inch penstock to a second booster station with sixteen more 750 hp pumps that boost the water through the penstock to the open canal. There is approximately 40,000 feet of 72 inch penstock. The water for this new application will be pumped out of the canal at pump station Number 9 on the canal through 2,500 feet of 26 inch pipe, 3,200 feet of 24 inch pipe, and 2,500 feet of 12 inch pipe. The 12 inch pipe is the distribution system on the land to be irrigated. Water will be applied to the circles at 7 gallons per minute per acre
- B) For instream uses, to the extent possible, identify the stream reach(es) for which the state's portion of the conserved water should be managed under an instream water right. Be as explicit as possible, by giving river miles, or other identifying information that might be included in the instream certificate.
n/a
- C) Describe the proposed benefit to instream uses.
- for instream use for conservation, maintenance and enhancement of aquatic and fish life, wildlife, fish and wildlife habitat and other ecological values.
- other, please describe: _____

8. MITIGATION

- A) Describe any expected effects on other water rights from the proposed allocation of conserved water. Identify what currently happens to the water that is proposed to be conserved.
- The new lands to receive the conserved water currently have an existing groundwater right. The groundwater right will be diminished to supplemental as the area basalt aquifers are showing declines. These lands are located within Ordinance Critical Groundwater Area. Less water used from the water-righted wells in this basalt aquifer will in turn help alleviate any groundwater level declines.

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Prior to the applicant installing the current conservation measures, the conserved water was withdrawn from the Columbia River and used to irrigate farmland. With the installation of the current conservation measures, the landowner has determined that the current crops can be successfully grown with less water than the existing water right allows. The conservation methods will reduce the quantity and rate of withdrawal from the Columbia River and 25 percent of the conserved water will be left instream.

B) Describe any mitigation or other measures that are planned to avoid harm to other water rights.

The project is not expected to result in harm to any other water rights. Mitigation will include 25% of the conserved water to be allocated instream.

9. FUNDING

If more than 25% of the conserved water is proposed to be allocated to the applicant then provide Exhibit C, and identify what portion of project funds (expressed as a percentage) are or will be from federal or state public sources that are not subject to repayment. The project will be completely funded by the applicant.

Does the Oregon Watershed Enhancement Board (OWEB) have a contractual interest in this project?

Yes No

If yes, what is the OWEB project number? _____

10. PROJECT SCHEDULE

If project is not yet complete:

Proposed date construction has/will begin: January 2011

Proposed date construction will be completed and notice of project completion will be filed: March 2012

Proposed date the project will be finalized: April 2012

If project is already complete:

Date it was implemented: _____ (Provide Exhibit K)

The applicant requests:

That the allocation be finalized, or

Additional time be granted to prove that the project worked to the applicant's satisfaction before finalizing the allocation of conserved water. Indicate the amount of time desired 5 years (up to five years after completion of the project may be allocated).

11. ACKNOWLEDGMENT OF FORFEITURE

Complete this if the Certified Water Right Examiner's map shows less acreage has been irrigated over the past five years than allowed under the right.

I am aware that _____ acre(s) have not been irrigated for the last five years and I am abandoning that portion of the water right and make no further claim for the water. I ask that this _____ acre(s) portion of the right be permanently canceled.

12. EXHIBITS

Check each of the following attachments included with this application. All attachments are required unless otherwise noted. The application will be returned if all required attachments are not included.

Exhibit (Form) A – Evidence of Use Affidavits

- Provide if, 1) it is an on-farm efficiency project, or 2) specific acreage is being affected by the project. *Consult with Department staff regarding the evidence needed for distribution projects.* At least one Evidence of Use Affidavit documenting that the right has been used during the last five years or that the right is not subject to forfeiture under ORS 540.610 is attached. The affidavit provided must be the original, not a copy. The form is available at http://www1.wrd.state.or.us/pdfs/Supplemental_Form_B.pdf.

Exhibit B – Map

- Provide if the entire water right is not part of the conservation project and/or new lands shall receive water. *Consult with Department staff if there is any question regarding the need for submittal.* See OAR 690-018-0040(17) and 690-018-0062(3)(a).

Exhibit C - Project Funding Description

- Provide if more than 25% of water goes to applicant. See OAR 690-018-0040(18).

Exhibit D – Identification and Resolution of Water Right Conflicts

- Provide if the project has been completed or if construction has started and if more than 25% of the project costs have been expended prior to filing this application. *See OAR 690-018-0040(19).*

Exhibit E – Letter of Approval from the Irrigation District

- Provide if project is located within boundaries of an irrigation district and the district is not the applicant. See OAR 690-018-0040(20).

Exhibit F – District Conserved Water Policy

- Provide if the Applicant is an Irrigation District or Water Control District. See OAR 690-018-0040(21)

Exhibit G - Land Use Information Form

- See OAR 690-018-0040(22). The land use form is available at: <http://www1.wrd.state.or.us/pdfs/landuseform.pdf>

Exhibit I – Support Letters from ODFW, DEQ and OPRD

- Letters from ODFW, DEQ, and OPRD indicating that they have been consulted and indicating that at least one of the agencies attests that conserved water is needed to support instream uses. See OAR 690-018-0050(4)(f).

Exhibit J –Water Right Clarification & Notification of Affected Persons

- Provide if the application involves water rights for
- lands under multiple ownerships and not all of the water right holders are applicants, and the project is not being submitted by a District as a distribution project and/or
 - which the current final proof survey maps for lands involved in the application do not adequately describe the location of the place of use or the associated priority dates of the associated water rights

Consult with Department staff if there is any question regarding the need for submittal.

Exhibit K –Evidence that the Project was Implemented Within 5 Years.

- Provide if project was completed before application submittal. See OAR 690-018-0040(12)(a).

Fees:

- Amount enclosed: \$ 850.00
See OAR 690-018-0040(25) and the Department's Fee Schedule at www.wrd.state.or.us/OWRD/PUBS/forms.shtml#fees or call (503) 986-0900.

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13. SIGNATURE

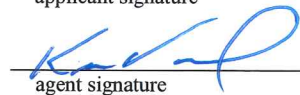
I (we) affirm that the information contained in this application is true and accurate.



applicant signature

Glenn Chowning
name (print)

2/18/11
date



agent signature

Ken Vandewall
name (print)

2/18/11
date

Before submitting your application, be sure you have:

- Answered each question completely.
- Included the required attachments.
- Provided original signatures for all water right holders or other parties with an interest in the right.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount.

*NOTE Additional information may be required:

For on-farm efficiency projects and/or distribution projects affecting specified lands, WRD may require submission of an ownership report as part of its review process to confirm the applicant is authorized to pursue the allocation of conserved water project. An ownership report must be prepared by a title company, include a legal description of the subject lands, and identify the current landowner(s) of the subject lands.

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Additional Information

The complete OAR Chapter 690, Division 018 Allocation of Conserved Water rules are available at: http://arcweb.sos.state.or.us/rules/OARS_600/OAR_690/690_018.html

690-018-0040

Application Requirements (Excerpt)

Applicants for allocation of conserved water shall provide to the Department the information described in this rule in substantially the same order as listed. The information shall include:

- (12) For a project that has already been completed:
 - (a) Evidence that the measure was implemented within five years prior to the date of filing the application; and
 - (b) The date on which the applicant intends to request that the allocation be finalized pursuant to OAR 690-018-0062(3).
- (17) A map with sufficient detail to locate and describe the facilities and areas affected by the conservation measures;
- (18) Identification of any federal or state public sources of project funds and, if federal or state public funds that are not subject to repayment will be used in the project, information showing the estimated project costs and anticipated sources of funds for the project including:
 - (a) The total cost for project engineering and construction;
 - (b) The present value of any incremental changes in the costs of operations and maintenance that are directly attributable to the project that would not be incurred or realized in the absence of the project;
 - (c) The amount of funding and the value of any in-kind contributions for project engineering and construction and for any incremental changes in the costs of operations and maintenance to be provided from federal or state public funds that are not subject to repayment; and
 - (d) The amount of funding and the value of any in-kind contributions for project engineering and construction and for any incremental change since costs of operations and maintenance to be provided from other funds.
- (19) If construction of the project has begun or been completed and if more than 25 percent of the project costs have been expended before applying for allocation of conserved water, evidence that the applicant has attempted to identify and resolve the concerns of water right holders in the area, governmental entities, or other organizations who have asked to be consulted regarding the allocation of conserved water;
- (20) A letter showing irrigation district or water control district approval if the conservation project is within the boundaries of the district;
- (21) For applications submitted by irrigation districts or water controls districts, evidence of an adopted policy consistent with the requirements of OAR 690-018-0025.
- (22) Land use information outlined in the Department's Land Use Planning Procedures Guide; and
- (23) Other information the Department or Commission deems necessary and appropriate to aid in the evaluation of the application.
- (24) The appropriate fee as required under ORS 536.050.
- (25) The Director shall waive the application fee based on the percent of conserved water allocated to the state for instream use, not to exceed 50 percent of the application fee, if the instream allocation is:
 - (a) To establish an instream water right pursuant to ORS 537.348;
 - (b) Necessary to complete a project funded by the Oregon Watershed Enhancement Board under ORS 541.375; or
 - (c) Determined and endorsed in writing by Oregon Department of Fish and Wildlife as a change that will result in a net benefit to fish and wildlife habitat.

690-018-0050

Processing a Conservation Application (Excerpt)

(4) The Department shall review the application and consider any comments received under section (3) of this rule to determine:

(f) In consultation with the Departments of Fish and Wildlife, Environmental Quality and Parks and Recreation, if conserved water is needed to support instream uses;

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690-018-0062

Completion of Conservation Project (Excerpt)

(3) Prior to the expiration of the time allowed under OAR 690-018-0050(4)(i), the applicant may request that an allocation of conserved water be finalized. The request shall include:

(a) If all or part of the applicants' portion of the conserved water is to be used for an out-of-stream use at an identified location, the following information:

- (A) The name and address of the person using the water;
- (B) A description of the type of beneficial use of the water;
- (C) A legal description of the place of use; and
- (D) A map that meets the standards in OAR 690-310-0050 and

(b) If all or part of the applicants' portion of the conserved water is to be leased, dedicated or temporarily reserved instream, a statement identifying the quantity of water to be managed as an instream water right.

Exhibit B – Application Map

The application map shall include:

- a. Township, range, section, ¼ ¼, a north arrow, and a standard scale such as 1 inch = 400 feet or 1 inch = 1,320.
- b. Location of existing and new point of diversion, if applicable, with coordinates referenced to a recognized survey corner.
- c. For on-farm conservation involving only a portion of the place of use, the location of the lands to be affected by the project with acres described by ¼ ¼.
- d. Location of lands on which applicant’s portion of conserved water is to be used if other than those currently authorized with acres described by ¼ ¼.

If the applicant is requesting that the project be finalized upon approval of this application, then the applicant must complete a map consistent with OAR 690-310-0050 as identified in OAR 690-018-0062.

Exhibit J – Water Right Clarification and Evidence of Notification of Effected Persons

If the application:

- 1) Involves rights for lands under more than one ownership and not all of the owners are applicants; and/or
- 2) The final proof survey maps on file with the Department for any quarter-quarter section in which lands involved in the application are located do not adequately describe the location of the place of use or the associated priority dates of the associated water rights, the Department may require the following additional information:

- A list of the name and address of each landowner whose lands the Department concludes may be included in the portion of the water right proposed for allocation of conserved water and written proof of service of a copy of the application on those landowners and a map delineating the location, acreage, priority dates, and ownership of the subject water right; and
- Other information sufficient to establish that no portion of the right to be conserved is held by persons other than those proposing the conservation project and, for rights with multiple priority dates, the priority dates for the right to be transferred are consistent with the decree or other document establishing the right.

(The applicant should consult with Department staff if there is any question regarding the need for submittal of Exhibit J.)






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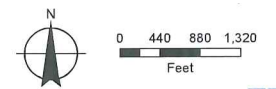
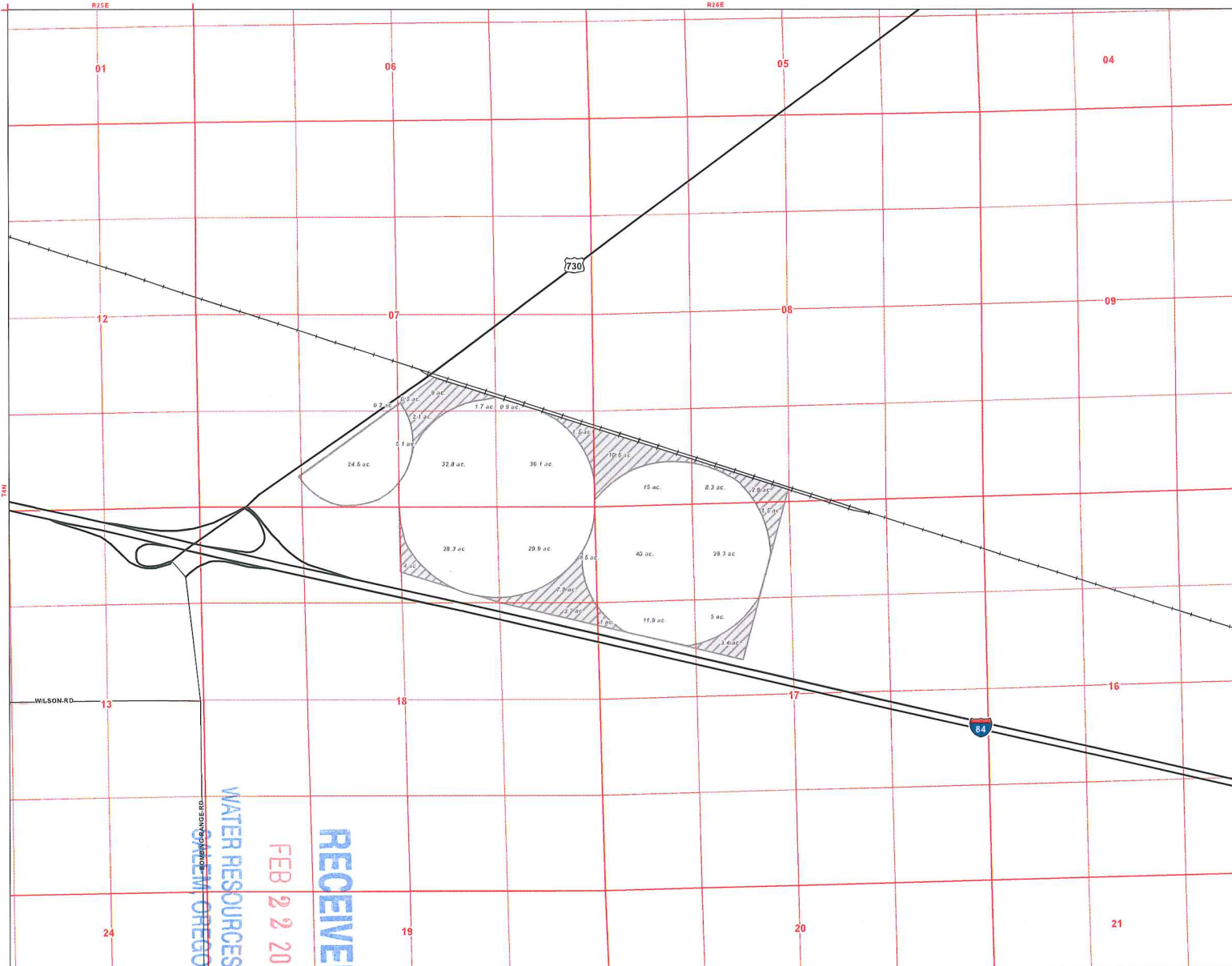
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EXHIBIT B
Terra Poma Land, LLC
 Jasa

LEGEND

-  Place of Use (POU)
-  Irrigated Lands *to conserve water*
-  Freeways and Highways
-  Major Roads
-  Railroads



MAP NOTES:
 Date: January 31, 2011
 Data Sources: ESRI, OWRD



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