

Checklist for Claims of Beneficial Use Received at CSG Counter

Application #:	WRD Reviewer:
Transfer #:	
Date Received:	
CWRE Name:	
Priority Date (s):	

Fees Required:

- YES NO A fee of \$230 must accompany this form for permits with priority dates of July 9, 1987, or later.
- YES NO A fee of \$230 must accompany this form for any transfers including a water right with a priority date of July 9, 1987, or later.
 Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

Fill in App or Transfer Number

Map Review:

- Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b))
- Application & permit #; or transfer # (OAR 690-014-0100(1))
- Disclaimer (OAR 690-014-0170(5))
- North arrow (OAR 690-310-0050(2)(c))
- CWRE stamp and signature (OAR 690-014 & 310-0050)
- Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
- Township, range, section, and tax lot numbers (OAR 690-310-0050(4))

Report Review:

- On form provided by the Department (OAR 690-014-0100(1))
- Application & permit #; or transfer # (OAR 690-014)
- Ownership information (OAR 690-014)
- Date of survey (OAR 690-014)
- Person interviewed (OAR 690-014)
- County (OAR 690-014)
- CWRE stamp and signature (OAR 690-014-0100)
- Signature(s) of all permittee of transfer holder (OAR 690-014-0100)

MONEY SLIP

DATE: _____ RECEIPT #: _____

RECEIVED FROM: _____ APPLICATION PERMIT TRANSFER

CASH CHECK # _____ OTHER (IDENTIFY) _____ TOTAL RECD \$ _____

1083 TREASURY 4178 MISC CASH ACCT.

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

0243 Instream Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

1083 TREASURY 4270 WRD OPERATING ACCT.

MISCELLANEOUS

0407 COPY & TAPE FEES 4611 \$ _____

0410 RESEARCH FEES \$ _____

0409 MISC REVENUE (IDENTIFY) \$ _____

TC162 DEPOSIT LIAB. (IDENTIFY) \$ _____

0240 EXTENSION OF TIME \$ _____

WATER RIGHTS EXAM FEE RECORD FEE

0201 SURFACE WATER \$ _____ 0202 \$ _____

0203 GROUND WATER \$ _____ 0204 \$ _____

0205 TRANSFER \$ _____

WELL CONSTRUCTION EXAM FEE RECORD FEE

0218 WELL DRILL CONSTRUCTOR \$ _____ 0219 \$ _____

LANDOWNER'S PERMIT \$ _____ 0220 \$ _____

OTHER (IDENTIFY) COBU \$ 230.00

0607 TREASURY 0487 HYDROELECTRIC

0233 POWER LICENSE FEE (FWWRD) LIC NUMBER _____ \$ _____

0231 HYDRO LICENSE FEE (FWWRD) _____ \$ _____

HYDRO APPLICATION \$ _____

SPECIAL INSTRUCTIONS:

RETURN TO APPLICANT -- LETTER ATTACHED

Groundwater File Review:

- Pump Test not required (Priority Date prior to December 20, 1988) *If no, include pump test flyer w/acknowledgment letter
- Pump Test required (Priority Date on or after December 20, 1988)
- Pump Test submitted
- Pump Test not submitted

**CLAIM OF
BENEFICIAL USE
for Surface Water Permits
claiming more than 0.1 cfs**



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

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**A fee of \$230 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Go to "Resources for Water Right Examiners (CWRE)" Page

<https://www.oregon.gov/OWRD/programs/WaterRights/COBU/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

SECTION 1

GENERAL INFORMATION

1. File Information:

APPLICATION # S-81140	PERMIT # S-53174	PERMIT AMENDMENT # T-
---------------------------------	----------------------------	---------------------------------

2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME		PHONE No.	ADDITIONAL CONTACT No.	
ADDRESS				
CITY	STATE	ZIP	E-MAIL	

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each*** permit holder of record must sign this form.

3. Permit or holder of record (this may, or may not, be the current property owner):

PERMIT HOLDER OF RECORD				
Santiam Water Control District				
ADDRESS				
284 E Water St.				
CITY	STATE	ZIP		
Stayton	OR	97383		

ADDITIONAL PERMIT HOLDER OF RECORD				
ADDRESS				
CITY	STATE	ZIP		

4. Date of Site Inspection:

8/4/2021

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Brent Stevenson	3/29/2021 & 8/4/2021	District Manager

6. County:

Marion

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD				
ADDRESS				
CITY	STATE	ZIP		

Add additional tables for owners of record as needed

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**SECTION 2
SIGNATURES**

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CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME William E. McGill		PHONE NO. (503) 510-3026	ADDITIONAL CONTACT NO. (503) 931-0210
ADDRESS 15333 Pletzer Rd. SE			
CITY Turner	STATE OR	ZIP 97392	E-MAIL willmcgill.surveying@gmail.com

Permit Holder of Record Signature or Acknowledgement

Each permit holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	Brent Stevenson	General Manager	10-13-2021

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**SECTION 3
CLAIM DESCRIPTION**

1. Point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
SWCD POD

2. Point of diversion source and tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
SWCD POD	Willamette Basin Project Reservoirs constructed under Permit R-1625	Willamette River

3. Developed use(s), period of use, and rate for each use:

POD NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
SWCD POD	Irrigation	various	Mar. 1 – Oct. 31	298.79 AF
Total Quantity of Water Used				298.79 AF

4. Provide a general narrative description of the distribution works. This description must trace the water system from each point of diversion to the place of use:

See attached map of SWCD ditch system.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

5. Variations:

Was the use developed differently from what was authorized by the permit, or permit amendment final order? If yes, describe below.

YES NO

(e.g. "The permit allowed three points of diversion. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

The permitted acres were developed slightly different on properties throughout the district. See attached POU description table.

6. Claim Summary:

POD NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
SWCD POD	*	1,050 cfs	**	Irrigation	299.7	299.7

*No rate given, just 298.79 AF stored water. Assuming a standard irrigation rate of 3.7 cfs, this permit is well within the 1,050 cfs design criteria for the system.

**POD inlet is equipped with measuring devices to track real-time rate of water. The rate entering the system is constantly changing.

SYSTEM DESCRIPTION

Are there multiple PODs?

YES NO

If "YES" you will need to copy and complete a separate Section 4 for each POD.

POD Name or Number this section describes (only needed if there is more than one):

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A. Place of Use

1. Is the right for municipal use?

YES NO

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
See attached POU description table.								299.7	
Total Acres Irrigated								299.7	

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (Glot), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, Glot, and QQ.

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of diversion to the place of use.

1. Is a pump used?

YES NO

7. Is the distribution system piped?

YES NO

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)?

YES NO

D. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

YES NO

E. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

YES NO

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

CANAL OR DITCH TYPE (MATERIAL)	TOP WIDTH OF CANAL OR DITCH	BOTTOM WIDTH OF CANAL OR DITCH	DEPTH	"N" FACTOR	AMOUNT OF FALL	LENGTH OF CANAL / DITCH	SLOPE	COMPUTED RATE (IN CFS)
Gravel	See attached canal survey.							1,050 cfs

3. Provide calculations:

System designed for 1,050 cfs and approved by ODFW.

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE MEASUREMENT	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER (IN CFS)

Attach measurement notes.

F. Additional notes or comments related to the system:

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SECTION 5 CONDITIONS

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and any extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension of time:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	6/18/1997		
BEGIN CONSTRUCTION (A)	6/18/1998	N/A	No construction necessary for project.
COMPLETE CONSTRUCTION (B)	10/1/2001	N/A	No construction necessary for project.
COMPLETE APPLICATION OF WATER (C)	10/1/2001	By end of 1997 IR season.	Water was contracted and used at the respective POUs throughout the district.

* MUST BE WITHIN PERIOD BETWEEN PERMIT OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)?

YES NO

3. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device?

YES NO

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion.

b. Has a meter been installed?

YES NO

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
SWCD POD	Rated channel and staff gauge.		working		Replacement project completed in 2005.

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4. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department? YES NO

If "NO", item b relating to this section may be deleted.

b. Have the reports been submitted? YES NO

If the reports have not been submitted, attach a copy of the reports if available.

5. Fish Screening:

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? YES NO

If "NO", items b through e relating to this section may be deleted.

Reminder: If fish screening devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the fish screening been installed? YES NO

c. When was the fish screening installed?

DATE	BY WHOM
Replacement of old screen was completed in 2005. Process started in 1998.	SWCD in conjunction with ODFW and NMFS

Reminder: If the permit was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

d. If the diversion involves a pump and the total diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs) and the permit was issued prior to February 1, 2011:

- Has the self-certification form previously been submitted to the Department? NA YES NO

If not, go to <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx> complete and attach a copy of the 'ODFW Small Pump Screen Self Certification' form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

e. If the diversion does **not involve a pump** or the total diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted? NA YES NO

If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

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Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

6. By-pass Devices:

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? YES NO

If "NO", items b and c relating to this section may be deleted.

Reminder: If by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Have by-pass devices been installed? YES NO

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:

(Provide a letter from ODFW indicating the device is approved or is unnecessary. If there is no letter from ODFW, explain whether or not a by-pass device is necessary.)

DESCRIPTION (E.G. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY ATTACH PHOTOS TO THIS CLAIM.	IF INSTALLED (DATE)	IF INSTALLED, BY WHOM
ODFW & NMFS have approved the by-pass device as part of the fish screen replacement project.	2005	SWCD

7. Other conditions required by permit, permit amendment final order, or extension final order:

- a. Was the water user required to restore the riparian area if it was disturbed? YES NO
- b. Was a fishway required? YES NO
- c. Was submittal of a water management and conservation plan required? YES NO
- d. Other conditions? YES NO

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

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SECTION 6
ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
POU Description Table	Place of use table by QQ and property ID showing changes between permitted and claimed acreage
POD and POU Maps	Polyester maps of authorized POD and claimed POU
SWCD Map	Map of SWCD distribution ditches
Map Scale Waiver	Email from OWRD waiving the scale requirement for distribution map
ODFW Letter	Fish screen approval dated Oct. 8, 2004
Attachment A	Page from proposed fish screen document stating the capacity of the SWCD headgate
Canal Survey	Survey of main canal inlet
SWCD POD Pictures	Pictures taken during 8/4/2021 onsite inspection.
*Affidavit for partial diminution	Partial diminution of Cert. 24155 layered with Permit S-53174

*Will be submitted later.

SECTION 7
CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

The survey method used was aerial photo.

Provided by Maxar Technologies.

Source date: 10/29/2019

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Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

- Map on polyester film
- Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- Township, Range, Section, Donation Land Claims, and Government Lots
- If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- Point(s) of diversion or appropriation (illustrated and coordinates)
- Tax lot boundaries and numbers
- Source illustrated if surface water
- Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- Application and permit number or transfer number
- North arrow
- Legend
- CWRE stamp and signature

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POU Description		Permitted	Claiming	Change
Property ID	TRSQQ			
R35129	8S2W25SWSE	0.00	0.25	-0.25
R34054	9S1W4NWNW	0.60	0.60	
R34054	9S1W5NWNW	6.20	6.20	
R34047	9S1W5NWNW	5.30	5.30	
R34047	9S1W5NENW	3.30	3.30	
R34047	9S1W5SENW	1.30	1.30	
R34054	9S1W5SWNE	0.50	0.50	
R34054	9S1W4SWNW	11.00	14.30	3.30
R35037	9S2W2NESE	19.00	19.00	
R35037	9S2W2NWSE	1.20	1.20	
R35129	9S2W5NESW	1.20	2.55	-1.35
R35129	9S2W5SESW	2.90	3.00	-0.10
R34184	9S1W9NWNW	6.50	6.50	
R34879	9S1W18NESE	2.60	2.60	
R34879	9S1W18SESE	6.50	5.80	0.70
R34881	9S1W18NWSE	2.80	2.40	0.40
R34881	9S1W18SWSE	1.90	1.90	
R35446	9S2W16SWSW	2.90	2.90	
R35446	9S2W16SESW	11.00	11.00	
R35446	9S2W21NENW	18.00	15.00	3.00
R35446	9S2W21NWNW	2.70	2.70	
R35463	9S2W20NENE	1.70	1.70	
R35704	9S2W26NENE	3.10	3.10	
R35704	9S2W26NWNE	1.60	1.60	
R35715	9S2W27SWNE	22.00	21.50	0.50
R35696	9S2W26SWNE	3.10	3.10	
R35704	9S2W26SENE	0.50	0.50	
R35696	9S2W26NWSE	4.00	3.50	0.50
R30404	8S2W25SESW	9.00	9.00	
R35037	8S2W35SWSE	0.80	0.80	
R34209	9S1W9NWNW	0.60	0.60	
R35524	9S2W14SWSW	0.00	3.00	-3.00
R35463	9S2W21NWNW	4.00	4.00	
R35704	9S2W26SWNE	0.40	0.40	
R34208	9S1W9NWNW	1.00	1.00	
R34204	9S1W9NWNW	22.00	22.00	
R35037	9S2W2NENE	7.90	7.90	
R35037	8S2W35SESE	12.00	12.00	
R35037	9S2W2NWNE	6.00	6.00	
R35129	9S2W6SESE	15.00	15.00	
R35037	9S2W2SWNE	29.00	29.00	
R35037	9S2W2SENE	0.40	0.40	
R34202	9S1W9NWNW	0.00	3.75	-3.75
R35722	9S2W27NWNE	15.00	20.90	-5.90
R35129	9S2W5SWSW	24.00	20.65	3.35
R35129	9S2W5NWSW	3.30	0.00	-3.30
	8S2W34NWSE	0.30	0.00	0.30
	9S2W3NENW	3.90	0.00	3.90
	9S2W6NESE	1.50	0.00	1.50
	9S2W27NESW	0.10	0.00	0.10
	9S2W27NWSW	0.10	0.00	0.10
	9S2W27NWSE			

Scrivener's error: permit lists 9S2W18 instead of 9S1W18

POU developed on tax lots included in permitted POU, but in variation with permitted POU

Scrivener's error: Total in permit table adds to 299.7 instead of 298.79 listed in purpose of use

TOTAL ACRES

299.70

299.70

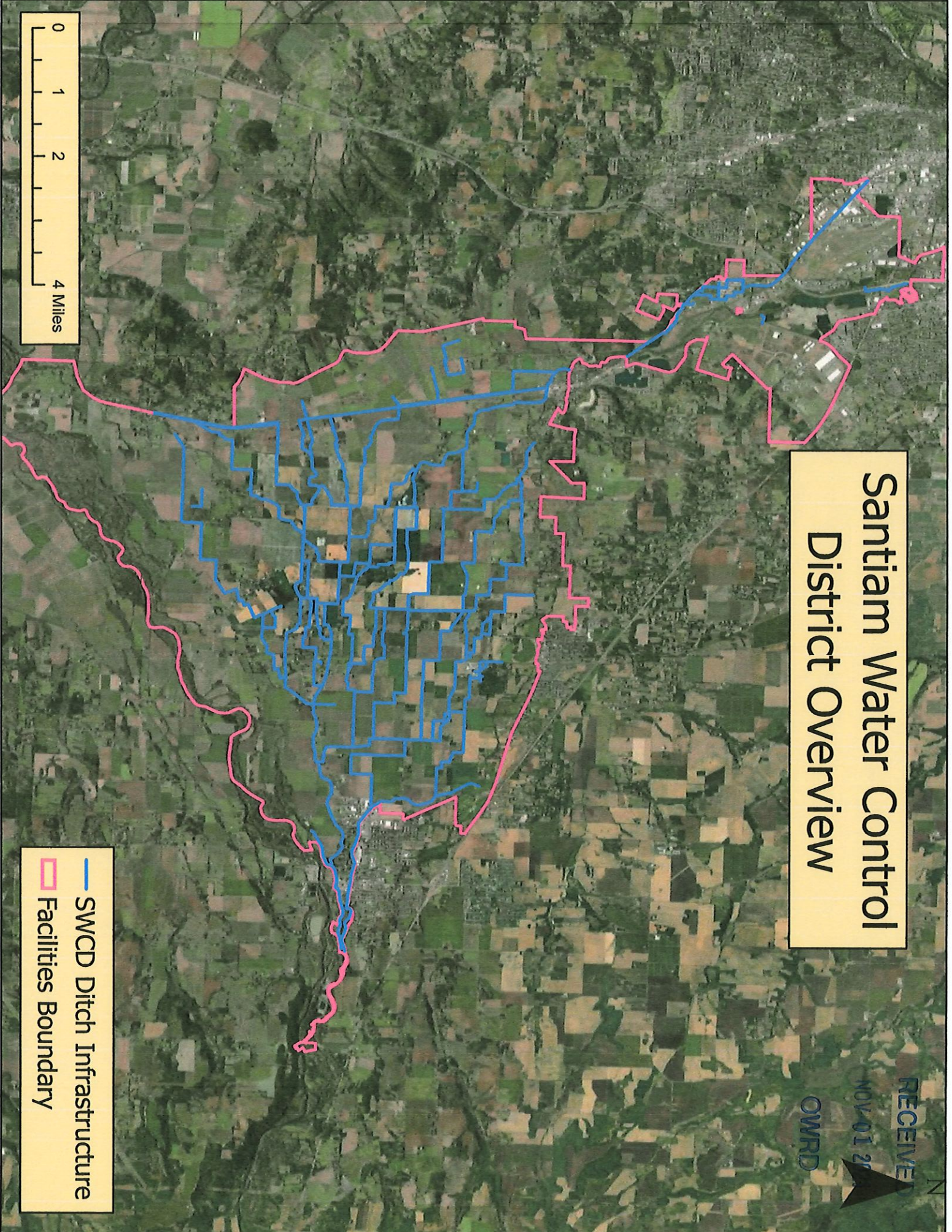
0.00

Santiam Water Control District Overview

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- SWCD Ditch Infrastructure
- Facilities Boundary



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Will McGill <willmcgill.surveying@gmail.com>



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SWCD Reach Map Scale

CLARK Gerald E * WRD <Gerald.E.Clark@oregon.gov>
To: Will McGill <willmcgill.surveying@gmail.com>

Fri, Oct 29, 2021 at 9:17 AM

Will,

Your waiver request to submit a map that provides an overview of the District's distribution system on paper at a scale of 1 inch = 2 miles is approved as requested.

Please attach a copy of this waiver request to the Claim.

Thank you for checking in on this issue.

Have a great day!

Gerry

-

[Gerry Clark](#)

He/Him/His

Oregon Water Resources Department

Program Analyst, Certificate Section, Water Right Services Division

725 Summer Street NE, Suite A Salem, OR 97301 | Phone 503-979-9103

[Quoted text hidden]



Oregon

Theodore R. Kulongoski Governor

Department of Fish and Wildlife

Fish Division

3406 Cherry Avenue NE

Salem, OR 97303

Voice: 503-947-6220

Fax: 503-947-6203/6202

TTY: 503-947-6339

<http://www.dfv.state.or.us>

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October 8, 2004

Larry Trosi, Manager
Santiam Water Control District
284 E. Water Street
Stayton, OR 97383

Dear Larry,

I completed the final inspection of the Santiam Water Control District's fish screen in the North Santiam River canal diversion on October 7, 2004. The fish screen meets construction and operational criteria for fish protection based on examination of fish screen approach velocities and sweeping velocities as well as previous on-site inspections. The fish screen prevents fish entrainment into the canal and passes them back into the river. The documented canal flow rate on October 7th was 392 cfs. The screen is designed for a maximum flow rate of 1,050 cfs.

I appreciate the diligent effort that you and your organization have expended in the process of completing this fish screening facility.

Sincerely,

Michael Lambert, P.E.
Fish Passage Engineer

cc: Bernie Kepshire, ODFW, Salem
Bob Hair, ODFW, The Dalles
Steve Mamoyac, ODFW, Corvallis
Wayne Hunt, ODFW, Salem
Ed Meyer, NOAA Fisheries, Portland
Larry Rasmussen, U.S. Fish and Wildlife Service, Portland
Kevin Crew, DEA, Bend

ATTACHMENT A

SANTIAM WATER CONTROL DISTRICT Proposed Fish Screen and Tailrace Barrier Improvements

1.0 INTRODUCTION

1.1 Purpose and Need

The Santiam Water Control District (SWCD) is proposing to upgrade its fish protection system to prevent fisheries use within the man-made irrigation canal. The existing fish screen does not meet National Marine Fisheries Service (NMFS) standards for protection of juvenile fish. Adult fish that enter the canal must negotiate two fish ladders and possible entrapment in the irrigation canal. By preventing fish access to the irrigation canal, the fish would use the North Santiam River.

The project components include a new fish screen and fish bypass return pipe, tailrace barrier, and a temporary bypass channel.

2.0 PROJECT DESCRIPTION AND LOCATION

2.1 Location

The North Santiam River is split into two channels (north and south) at the upstream end of the project area. A portion of the water in the north channel of the North Santiam River is diverted to the SWCD irrigation canal. The canal is a 1.4-mile-long man-made feature. The SWCD headgate dam regulates water in the irrigation canal, which is capable of delivering 1,050 cubic feet second (cfs).

The canal is located south of Water Street within the City of Stayton, Marion County, Oregon (T9S, R1W, Sections 14, 15, and 16; Figure 1). The irrigation canal flows generally in an east/west direction. A dam (headgate dam) defines the upstream end of the canal. The headgate dam is located approximately 0.5 mile east of the SWCD Building (284 E. Water Street, Stayton, OR). The lower end of the canal does not have a flow control structure.

The proposed fish screen would be located immediately downstream of the headgate dam. A temporary bypass would be constructed to divert flows around the fish screen construction area. The bypass would be located on the northern side of the canal (Figure 5). A fish bypass pipe would return fish and bypass water to the North Santiam River. The new tailrace would be constructed approximately 1 mile downstream of the headgate dam. The new tailrace would be the primary return for water to the North Santiam River and would be provided with a fish barrier to prevent fish from entering the canal. The

POWER/STAYTON CANAL HEAD

IN THE SW 1/4 OF SECTION 11, T. 9 S, R. 1 W, W.M.

CITY OF STAYTON

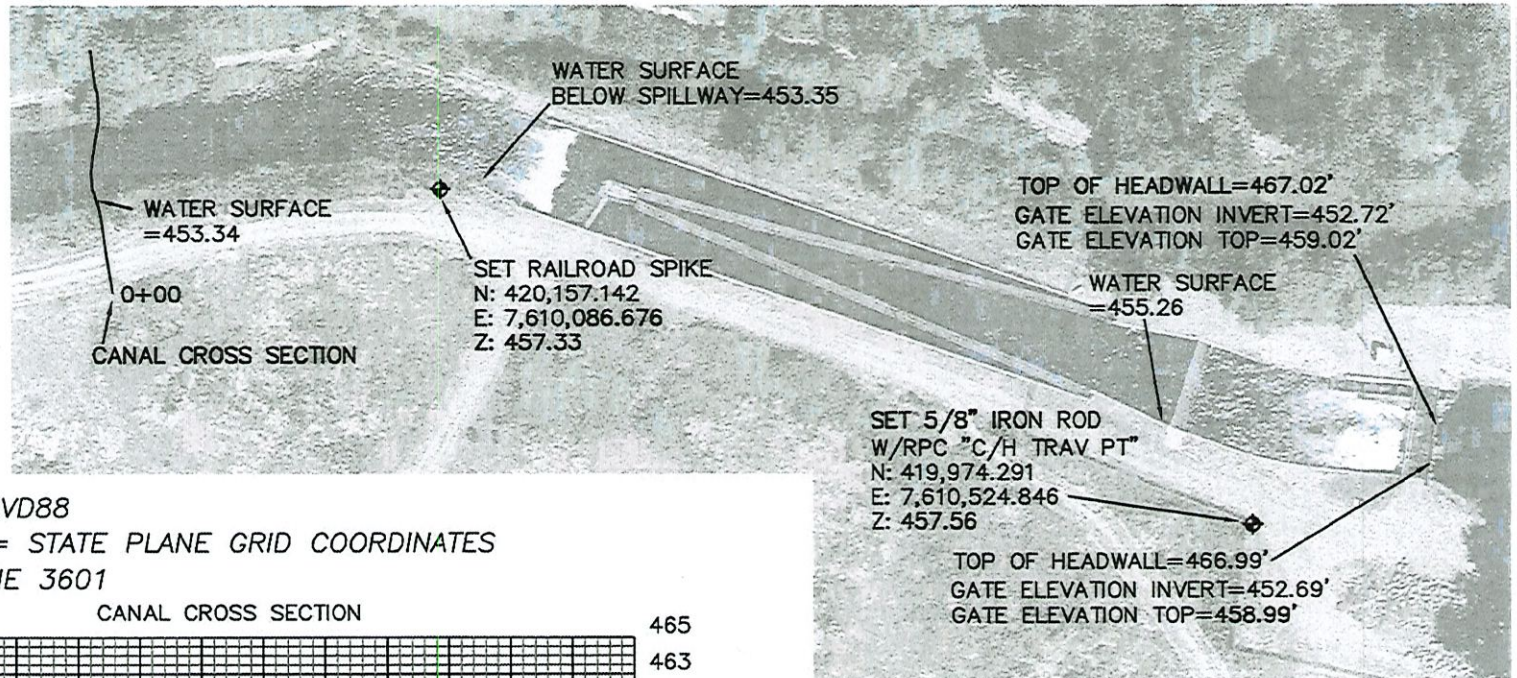
MARION COUNTY

SCALE: 1" = 100'

OREGON
AUGUST 28, 2017

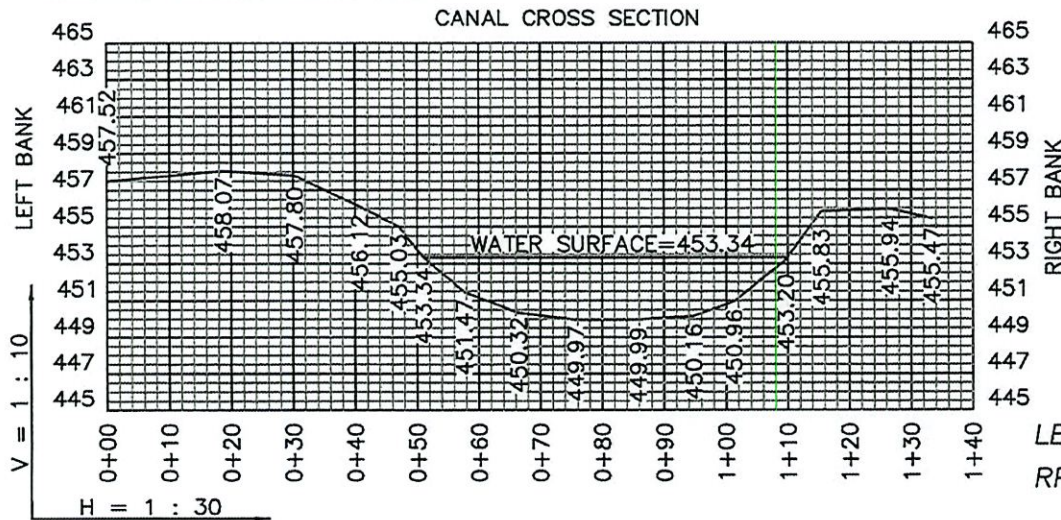
**CASWELL/
HERTEL**

SURVEYORS INC.
6150 S.W. 124th AVE.
BEAVERTON, OREGON 97008
(503) 644-3179



NOTES:

1. VERTICAL DATUM=NAVD88
2. HORIZONTAL DATUM= STATE PLANE GRID COORDINATES OREGON NORTH ZONE 3601



LEGEND

RPC - RED PLASTIC CAP

RECEIVED

NOV 01 2021

OWRD

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Benjamin S. Stacy

OREGON
JANUARY 14, 2003
BENJAMIN S. STACY
57191

RENEWS: 6/30/2018

JOB NO. 9045

8-4-21 WEM
Looking East at water flowing to SWCD POD.



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Looking west at SWCD POD intake structure.



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OWRD

8-4-21 WEM
Looking west at SWCD POD fish screen and by-pass.

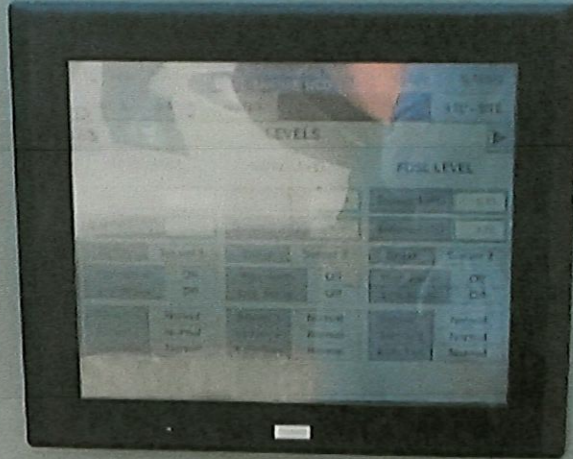


RECEIVED

NOV 01 2021

OWRD

8-4-21 WEM
Control panel for SWCD POD gates.



RECEIVED
NOV 01 2021
LOWRD



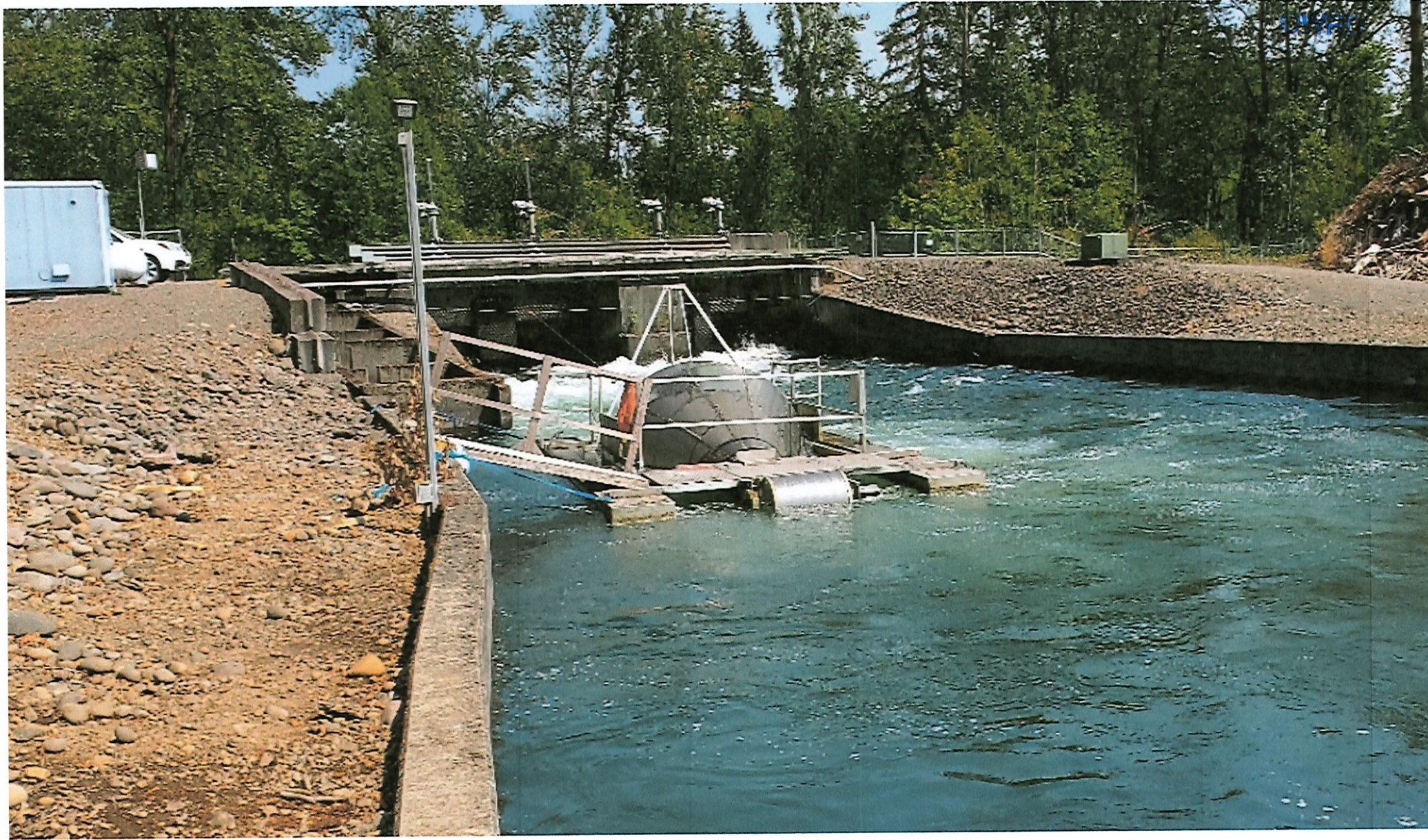
SIERRA CONTROLS, LLC
10000 N. 10TH AVE. SUITE 100
DENVER, CO 80231

8-4-21 WEM

Looking East at SWCD POD and ODFW temporary fish trap.

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B-4-21 WEM

Staff guage of North wall of fish screen structure.

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8-4-21 WEM

Water level recording equipment by staff gauge on North wall of fish screen structure.



8-4-21 WEM
Looking East at fish screen and screen cleaning device on North and South screens.

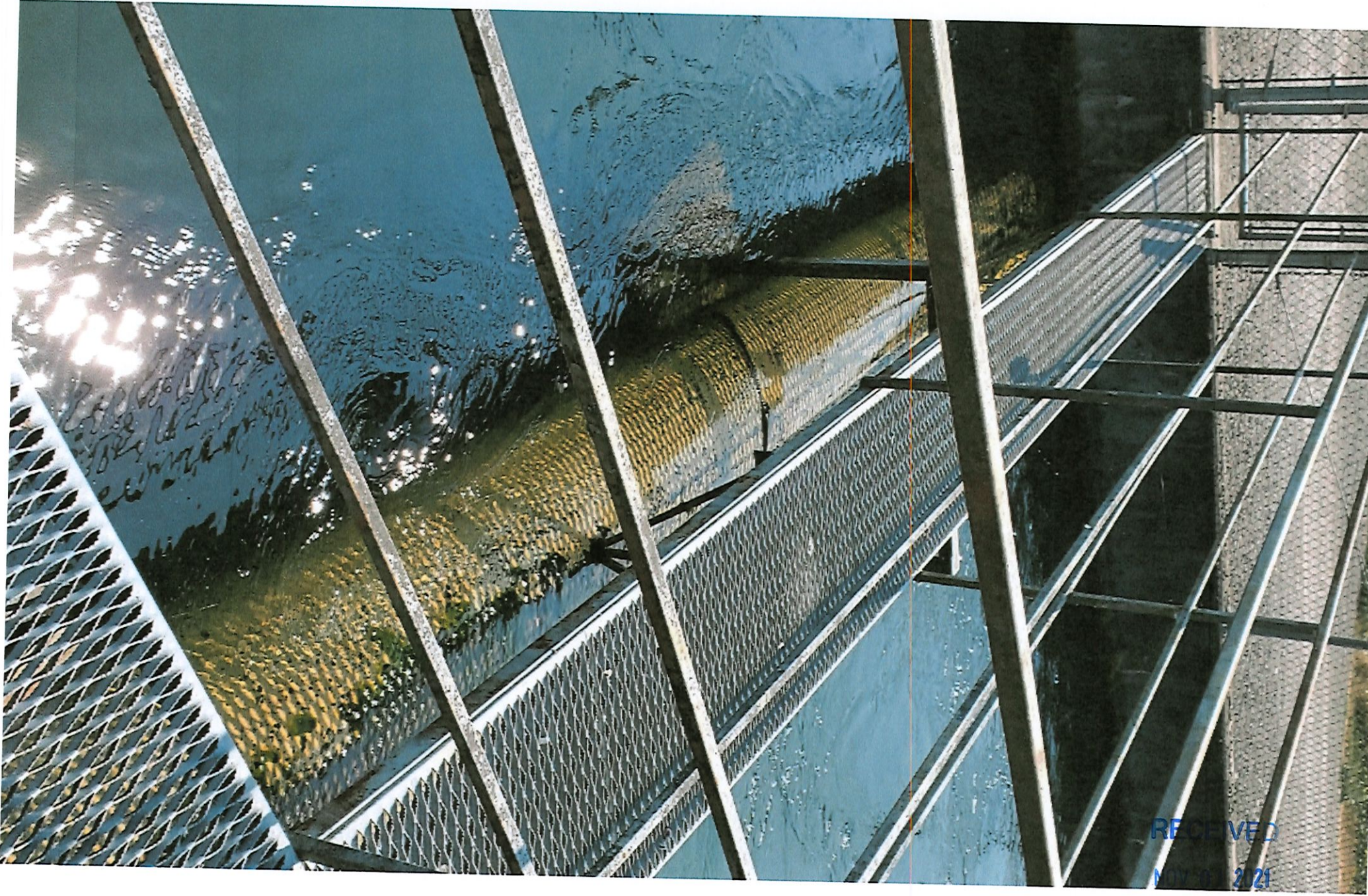
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OWRD



B-4-21 vbm
30" pipe at ^{West} ~~East~~ end of fish screen structure taking fish to the south. back to the North Santiam River



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8-4-21 WEM

Looking East from the end of the fish screen to the canal cross section from where the flow rate is computed. (See Caswell/Hertel map and cross section)



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NOV 01 2021

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