

MONEY SLIP

DATE: <u>8-2-2021</u>	RECEIPT #: <u>136044</u>
-----------------------	--------------------------

RECEIVED FROM: Stahlkusch Island Farms Inc.

APPLICATION	
PERMIT	
TRANSFER	

CASH CHECK # 141769 OTHER (IDENTIFY) _____

TOTAL REC'D	\$ <u>200.00</u>
-------------	------------------

1083 TREASURY	4170 MISC CASH ACCT.
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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	\$
0410	RESEARCH FEES	\$
0408	MISC REVENUE (IDENTIFY) _____	\$
TC162	DEPOSIT LIAB. (IDENTIFY) _____	\$
0240	EXTENSION OF TIME _____	\$

WATER RIGHTS

0201	SURFACE WATER	EXAM FEE		
		\$	0202	RECORD FEE
0203	GROUND WATER	\$	0204	\$
0205	TRANSFER	\$		

WELL CONSTRUCTION

0218	WELL DRILL CONSTRUCTOR	EXAM FEE		
		\$	0219	RECORD FEE
	LANDOWNER'S PERMIT		0220	\$
_____	OTHER (IDENTIFY) _____			

0607 TREASURY	0467 HYDROELECTRIC
----------------------	---------------------------

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

SPECIAL INSTRUCTIONS:

RETURN TO APPLICANT -- LETTER ATTACHED

MONEY SLIP

DATE:	RECEIPT #:
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RECEIVED FROM: _____

APPLICATION	
PERMIT	
TRANSFER	

CASH CHECK # OTHER (IDENTIFY)
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_____	OTHER: (IDENTIFY) _____	\$

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1083 TREASURY	4270 WRD OPERATING ACCT.
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MISCELLANEOUS

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0410	RESEARCH FEES	\$
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0240	EXTENSION OF TIME _____	\$

WATER RIGHTS

0201	SURFACE WATER	EXAM FEE			RECORD FEE
0203	GROUND WATER	\$	0202		\$
0205	TRANSFER	\$	0204		\$

WELL CONSTRUCTION

0218	WELL DRILL CONSTRUCTOR	EXAM FEE			RECORD FEE
_____	LANDOWNER'S PERMIT	\$	0219		\$
_____	OTHER (IDENTIFY) _____		0220		\$

0607 TREASURY	0467 HYDROELECTRIC
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0233	POWER LICENSE FEE (FW/WRD)	LIC NUMBER	
0231	HYDRO LICENSE FEE (FW/WRD)		\$
_____	HYDRO APPLICATION		\$

SPECIAL INSTRUCTIONS:

RETURN TO APPLICANT -- LETTER ATTACHED



Oregon

Kate Brown., Governor

Department of Fish and Wildlife
The Dalles Screen Shop
3561 Klindt Drive
The Dalles, OR 97058
(541) 296-8026
FAX (541) 296-7889
odfw.com

September 10, 2019

Stahlbush Island Farms, Inc.
3122 Stahlbush Island Rd
Corvallis, OR 97333

RE: OWRD Permit S-54951

To Whom It May Concern,

This letter is in regards to fish screening and passage requirements set forth in Oregon Water Resources Department Permit S-54951, which allocates waters from the Willamette Basin Project Reservoirs, and is subject to the terms and conditions of the Bureau of Reclamation contract No. 149E101851. The two points of diversion associated with this permit are located near the city of Corvallis, OR.

On September 5, 2019, I performed a fish screen inspection at the two new points of diversion. The first, referred to as the Rail Pump, has a pump with maximum capacity of diverting 970 gpm (600 gpm typically diverted) and is equipped with a T-setup with two Pump Rite L500 fish screens. Together, these screens meet National Marine Fisheries Service (NMFS) criteria up to 1000 gpm (2.23 cfs). The second point of diversion, referred to as Beach Pump, has two pumps, each with a maximum capacity of 700 gpm (580 gpm typically diverted). Each pump is connected to a T-setup with two Pump Rite L500 screens. Each pump setup is capable of meeting NMFS criteria up to 1000 gpm (2.23 cfs), and the combined point of diversion successfully screens up to 2000 gpm (4.45 cfs).

With the proper use, care, and maintenance of these screens, fish screening requirements associated with Permit S-54951 are satisfied. As these are end of line diversions, there are no bypass requirements that need to be addressed.

If you have any questions in regards to this letter, please contact me at 541-296-8026.

Sincerely,

Hilary A. Doulos
Fish Screen and Passage Coordinator



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**Boatwright Engineering, Inc.**

2613 12th Street SE Salem, Oregon 97301

civil engineers • land surveyors • water rights
503.363.9225**Letter of Transmittal**Date
July 29, 2021Job No
19/14TO:
Oregon Water Resources Department
725 Summer Street, Suite A
Salem, Oregon 97301-1266Attention:
Gerry Clark**RECEIVED**Re:
**Claim of Beneficial Use
Application S-87999
Permit S-54951****AUG 02 2021****OWRD**

WE ARE SENDING YOU:	<input checked="" type="checkbox"/>	Attached	<input type="checkbox"/>	Under Separate cover via	the following items:	
Shop drawings	<input type="checkbox"/>	Prints	<input type="checkbox"/>	Plans	Samples	Specifications
Copy of letter	<input type="checkbox"/>	Change order	<input checked="" type="checkbox"/>	Claim of Beneficial Use packet		

COPIES	DATE	NO.	DESCRIPTION
1	7-19-2021	16	Claim of Beneficial Use report
1	9-10-2019	1	ODFW letter from Hilary A. Doulos re: fish screen & fish passage requirements
1	8-27-2020	1	Claim of Beneficial Use map
1	7-23-2021	1	Check No. 141769 for \$200 fee for 1 Claim
1	6-24-2020	1	Letter of Transmittal to WRD from Jeanne Boatwright included with Request for Assignment and supporting documents for Permit S-54951

THESE ARE TRANSMITTED as checked below:

<input type="checkbox"/>	For approval	<input type="checkbox"/>	Approved as submitted	<input type="checkbox"/>	Resubmit ___ copies for approval
<input type="checkbox"/>	For your use	<input type="checkbox"/>	Approved as noted	<input type="checkbox"/>	Submit ___ copies for distribution
<input type="checkbox"/>	As requested	<input type="checkbox"/>	Returned for corrections	<input type="checkbox"/>	Return ___ corrected copies
<input type="checkbox"/>	For review and comment				
<input type="checkbox"/>	FOR BIDS DUE				

REMARKS: **Claim documents for Permit S-54951 were prepared assuming that the Assignment sent to WRD on June 24, 2021 (see copy of transmittal letter included 6-24-21) to correct the permit holder's name will be/has been approved.**

COPY TO: **Tina Galloway, Stahlbush Island Farms**

SIGNED:

Jeanne Boatwright

**Boatwright Engineering, Inc.**

2613 12th Street SE Salem, Oregon 97301

civil engineers • land surveyors • water rights
503.363.9225**Letter of Transmittal**Date
June 24, 2021

Job No

TO:
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-0825Attention:
Water Right Section

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Re:
WK&K Land, LLC
File S-87999, Permit S-54951
File G-17460 Permit, G-17004

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WE ARE SENDING YOU:	<input checked="" type="checkbox"/>	Attached	Under Separate cover via the following items:		
Shop drawings	<input type="checkbox"/>	Prints	Plans	Samples	Specifications
Copy of letter	<input type="checkbox"/>	Change order	<input checked="" type="checkbox"/>	COBU and Assignments	

COPIES	DATE	NO.	DESCRIPTION
➔ 1	5-7-21	1	S-54951: Memo from BEI explaining events relative to Assignment request
➔ 1	6-15-21	1	S-54951: Request for Assignment
➔ 1	4-28-21	2	S-54951: SOS Business Registry WK&K Land, LLC
➔ 1	4-28-21	2	S-54951: SOS Business Registry WK&K, INC.
➔ 1	12-31-20	4	Plan & Agreement of Conversion
1	5-7-21	1	G-17004: Memo from BEI explaining events relative to Assignment request
1	6-15-21	1	G-17004: Request for Assignment
1	4-28-21	2	G-17004: SOS Business Registry WK&K Land, LLC
1	4-28-21	2	G-17004: SOS Business Registry WK&K, INC.
1	12-31-20	4	Plan & Agreement of Conversion
1	5-31-21	1	Stahlbush Island Farms Check No. 140611 for \$200.00 fee for 2 assignments.
1	6-15-21	11	Claim of Beneficial Use
1	11-20-20	1	Claim of Beneficial Use Map
1	8-23-91	1	Well Log BENT 761
1	12-26-19	1	Well ID No. L-137028 for BENT 761
1	01-02-20	3	Pump Test Form Cover Sheet (2pgs), Pump Test Form Data Sheet for BENT 761, L-137028
1	4-12-21	1	Stahlbush Island Farms Check No. 139674 for \$200.00 fee for 1 Claim

THESE ARE TRANSMITTED as checked below:

<input checked="" type="checkbox"/>	For approval	Approved as submitted	Resubmit ___ copies for approval
<input type="checkbox"/>	For your use	Approved as noted	Submit ___ copies for distribution
<input type="checkbox"/>	As requested	Returned for corrections	Return ___ corrected copies
<input type="checkbox"/>	For review and comment		
<input type="checkbox"/>	FOR BIDS DUE		

REMARKS: Claim documents for Permit G-17004 were prepared assuming that the enclosed Assignment to correct the permit holder's name will be approved.

COPY TO: Tina Galloway, Stahlbush Island Farms

SIGNED:

Jeanne Boatwright

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OFFICE

T12S, R4W & R5W, WM

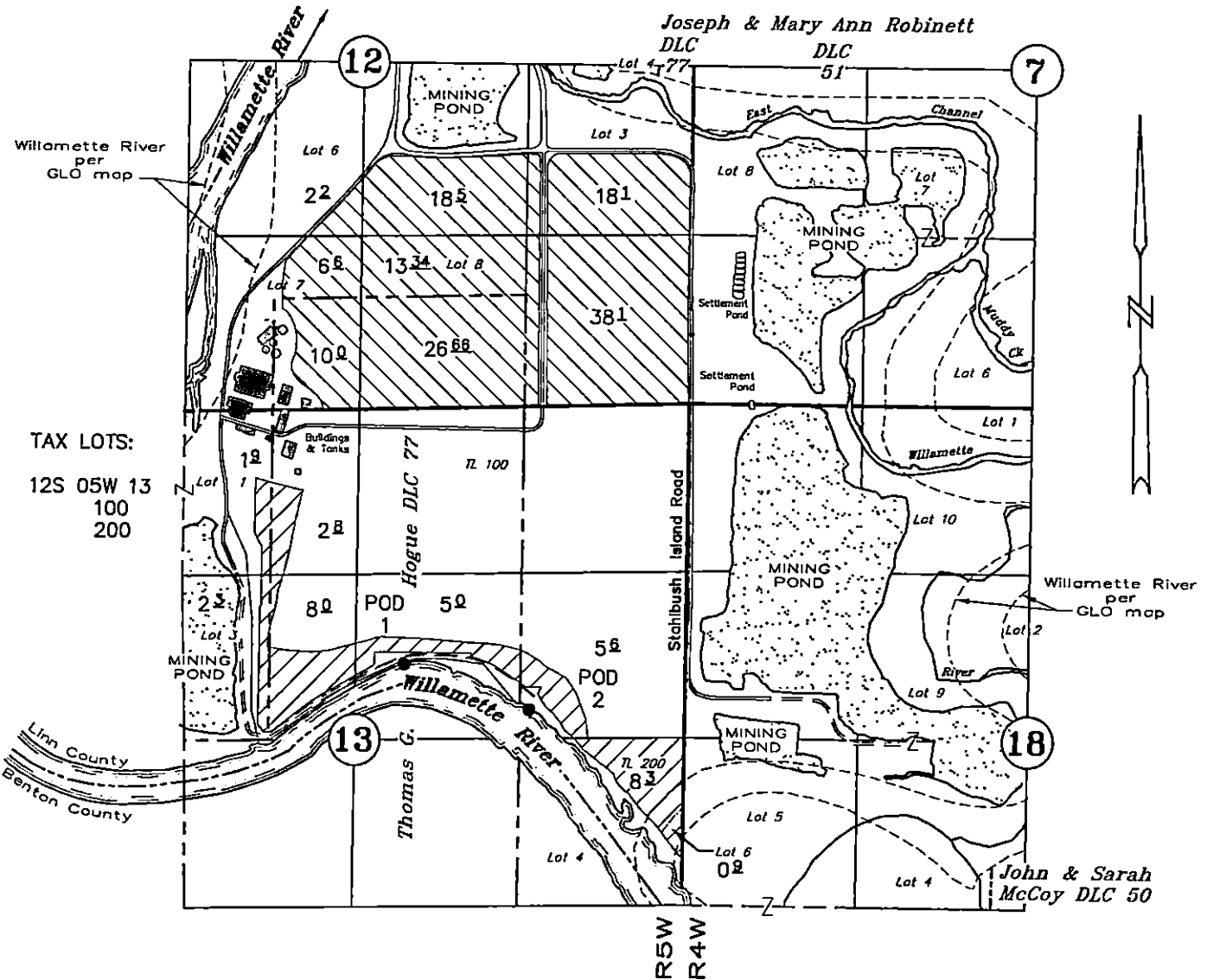
LINN COUNTY

Joseph & Mary Ann Robinett

DLC

DLC

51



TAX LOTS:

12S 05W 13
100
200

POD 1, RAIL PUMP: 2050' SOUTH AND 2268' WEST OF NE COR SECTION 13
 POD 1 METER: 2020' SOUTH AND 2273' WEST OF NE COR SECTION 13
 POD 2, BEACH PUMP: 2414' SOUTH AND 1276' WEST OF NE COR SECTION 13
 POD 2 METER: 2353' SOUTH AND 1222' WEST OF NE COR SECTION 13
 ODFW APPROVED FISH SCREENS ARE ON THE END OF THE INTAKE PIPE AT EACH POD

CLAIM of BENEFICIAL USE



IRRIGATION

Application No. S-87999

Permit No. S-54951

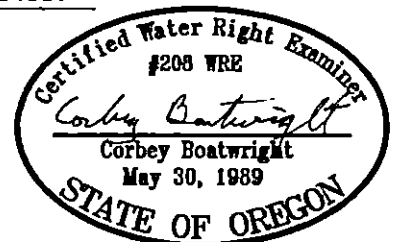


SUPPLEMENTAL IRRIGATION

WK&K LAND, LLC

AUGUST 27, 2020

SCALE 1" = 1320'



NOTE: This map is not intended to provide legal dimensions or locations of property ownership lines.

Renewal Date: December 31, 2021

**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 \$200 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 503-986-0900 and ask for the Certificate Section.

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-87999	PERMIT # S-54951	PERMIT AMENDMENT # T-
---------------------------------	----------------------------	---------------------------------

2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME WK&K Land, LLC contact: Tina Galloway		PHONE NO. 541.757.1497	ADDITIONAL CONTACT NO.
ADDRESS 3122 SE Stahlbush Island Road			
CITY Corvallis	STATE OREGON	ZIP 97333	E-MAIL tina@stahlbush.com

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 WK&K Land, LLC			RECEIVED AUG 02 2021
ADDRESS 3122 SE Stahlbush Island Road			
CITY Corvallis	STATE OREGON	ZIP	OWRD

ADDITIONAL PERMIT HOLDER OF RECORD None		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

August 27, 2020

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Carl Chambers	August 27, 2020	Farm Manager
Rob Heater	August 27, 2020	Special Projects Manager
Tina Galloway	August 27, 2020	Director of Agriculture Quality & Compliance

6. County:

Linn

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)):

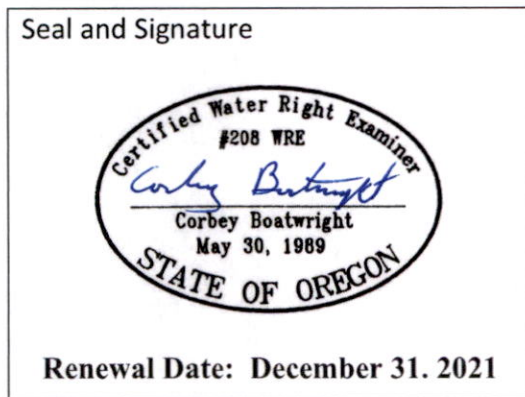
OWNER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

**SECTION 2
SIGNATURES**

CWRE Statement, Seal and Signature

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



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CWRE NAME Corbey Boatwright		PHONE NO. 503.363.9225	ADDITIONAL CONTACT NO.
ADDRESS Boatwright Engineering, Inc. 2613 12th Street SE			
CITY Salem	STATE OREGON	ZIP 97302	E-MAIL corbey@boatwrightengr.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
	William D. Chambers	President, W&K Land, Inc, as Member Manager of WK&K Land, LLC	7-19-2021

SECTION 3

CLAIM DESCRIPTION

1. Point of diversion name or number:

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POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
POD 1 - Rail Pump
POD 2 - Beach Pump

2. Point of diversion source and tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
POD 1 - Rail Pump	Willamette Basin Project Reservoirs constructed under Permits R-1625 and R-5363	Willamette River
POD 2 - Beach Pump		

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)
POD 1 - Rail Pump	IR & IS	black raspberries, sweet corn, winter squash, green beans, sweet potatoes	March 1-October 31	420.75 Ac-Ft* (3.57 cfs)
POD 2 - Beach Pump	IR & IS	sweet corn, winter squash, green beans, sweet potatoes	March 1-October 31	420.75 Ac-Ft* (3.57 cfs)
Total Quantity of Water Used *34.8 ac + 133.5 ac = 168.3 ac x 2.5' duty = 420.75 Ac-Ft total from either POD or a combination of both POD's				420.75 Ac-Ft* (3.57 cfs) (not cumulative)

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:

POD 1 - Rail Pump: Water is pumped from the Willamette River using a trailer mounted pump with a meter. The 75 hp centrifugal pump connects to 50' of buried 8" HDPE pipe that runs to the north and under the farm road. It reduces to a buried 6" PVC pipe approximately 850' in length to the west and an above ground 6" aluminum pipe 1820 feet in length to the east, along the south line of the southwest farm field. Application is by drip tape to cane berries.

POD 2 - Beach Pump: Water is pumped from the Willamette River with two parallel 50 hp centrifugal pumps mounted onto a single trailer. A buried 8" PVC pipeline, approximately 3,675' long, runs north along the central farm road, reducing to a 6" PVC pipeline and continuing 775' to Stahlbush Island Road. An above ground 6" aluminum pipeline runs parallel with the 6" line and also extends 400' north of Stahlbush Island Road. Application is by 3/16" impact sprinklers.

Generally, the two diversion points supply different areas of the farm, but the system is valved so that when water is needed from the opposite diversion point it is available by opening the valve.

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

(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 permit authorized primary irrigation of 74.2 acres. The permit holder developed 34.8 acres. The permit authorized supplemental irrigation of 149.5 acres. The permit holder developed 133.5 acres. None of the acres authorized in Section 7 were developed.

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
POD 1-Rail Pump	559.33 AF	420.75 Ac-Ft*	-----	IR & IS	IR - 74.23	IR - 34.8
POD 2-Beach Pump		420.75 Ac-Ft*	-----		IS - 149.5	IS - 133.5

***34.8 ac + 133.5 ac = 168.3 ac x 2.5' duty = 420.75 Ac-Ft**

Transmission pipelines are interconnected so either pump, or a combination of both, can service the entire irrigation area.

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SECTION 4
SYSTEM DESCRIPTION

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Are there multiple PODs?

YES **AUG 02 2021**

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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POD 1-Rail Pump

A. Place of Use

1. Is the right for municipal use?

NO

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
12S	5W	WM	12	NE-SW	6	----	IR	0	2.2
12S	5W	WM	12	SE-SW	7	----	IR	0	6.6
12S	5W	WM	12	SE-SW	----	77	IR	0	10.0
12S	5W	WM	12	NE-SE	3	----	IR	0	18.1
12S	5W	WM	12	NW-SE	----	----	IR	0	18.5
12S	5W	WM	12	SW-SE	8	----	IR	0	13.34
12S	5W	WM	12	SW-SE	----	77	IR	0	26.66
12S	5W	WM	12	SE-SE	----	----	IR	0	38.1
12S	5W	WM	13	SW-NE	----	77	IR	5.0	0
12S	5W	WM	13	SE-NE	----	----	IR	5.6	0
12S	5W	WM	13	NE-NW	1	----	IR	1.9	0
12S	5W	WM	13	NE-NW	----	77	IR	2.8	0
12S	5W	WM	13	SE-NW	3	----	IR	2.3	0
12S	5W	WM	13	SE-NW	----	77	IR	8.0	0
12S	5W	WM	13	NE-SE	4	----	IR	8.3	0
12S	5W	WM	13	NE-SE	6	----	IR	0.9	0
Total Acres Irrigated								34.8	133.5

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

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
PACO	C 40959-0A0038 2921 P	674094420-30	CENTRIFUGAL	3"	4"

3. Motor Information:

MANUFACTURER	HORSEPOWER
BALDOR	75

4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
75 VFD	45	8'	9'	3.78

5. Provide pump calculations:

Calculation based on full 75 hp

$$\frac{75(6.61)}{8+9+114.3} = 3.78 \text{ cfs}$$

6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
System not operating			

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

YES

8. Mainline Information:

	MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
Southwest System	8"	50'	HDPE	Buried
	6"	850'	PVC	Buried
	6"	1820'	Aluminum	Above Ground
Northwest & East Systems	8"	3675'	PVC	Buried
	6"	1175'	PVC	Buried
	6"	775'	Aluminum	Above Ground

9. Lateral or Handline Information:

	LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
Southwest System	3"	840'	Aluminum	Above Ground
Northwest & East Systems	3"	2200'	Aluminum	Above Ground
	4" Wheel	1100'	Aluminum	Above Ground
	6" Wheel	1100'	Aluminum	Above Ground

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
3/16	45 psi	6.8	1616	204	3.09 cfs (1387.2 gpm)

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Drip Emmitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
NA					

12. Drip Tape Information:

	DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION
Southwest System	30"	0.60	107,810	35,938	0.48 (216 gpm)	2 hr run per block, twice/day
				(107,810 ÷ 35,938 = 3 blocks)		Fertilize - April
						IR - May-Oct

13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
NA				

C. Storage

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

NO

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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?

NO

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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?

NO

F. Additional notes or comments related to the system:

Transmission pipelines are interconnected so either pump, or a combination of both, can service the entire irrigation area. Currently, this pump is set up to irrigate the southwest portion of the IR area. This diversion point is also a diversion point for Certificate 48117.

SECTION 4
SYSTEM DESCRIPTION

Are there multiple PODs?

YES

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):

POD 2-Beach Pump

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A. Place of Use

1. Is the right for municipal use?

NO

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TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
12S	5W	WM	12	NE-SW	6	----	IR	0	2.2
12S	5W	WM	12	SE-SW	7	----	IR	0	6.6
12S	5W	WM	12	SE-SW	----	77	IR	0	10.0
12S	5W	WM	12	NE-SE	3	----	IR	0	18.1
12S	5W	WM	12	NW-SE	----	----	IR	0	18.5
12S	5W	WM	12	SW-SE	8	----	IR	0	13.34
12S	5W	WM	12	SW-SE	----	77	IR	0	26.66
12S	5W	WM	12	SE-SE	----	----	IR	0	38.1
12S	5W	WM	13	SW-NE	----	77	IR	5.0	0
12S	5W	WM	13	SE-NE	----	----	IR	5.6	0
12S	5W	WM	13	NE-NW	1	----	IR	1.9	0
12S	5W	WM	13	NE-NW	----	77	IR	2.8	0
12S	5W	WM	13	SE-NW	3	----	IR	2.3	0
12S	5W	WM	13	SE-NW	----	77	IR	8.0	0
12S	5W	WM	13	NE-SE	4	----	IR	8.3	0
12S	5W	WM	13	NE-SE	6	----	IR	0.9	0
Total Acres Irrigated								30.1	133.5

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

2. Pump Information:

PUMP	MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
A	PACO	10-30957-0A0001-190	D12073PA	CENTRIFUGAL	3"	4"
B	PACO	10-309570A38-2901P	674094420-40	CENTRIFUGAL	3"	4"

3. Motor Information:

PUMP	MANUFACTURER	CAT NUMBER	HORSEPOWER
A	BALDOR	JPM2542T	50
B	BALDOR	EJPM4114T	50

4. Theoretical Pump Capacity:

PUMP	HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
A	50	45	8	6	2.58
B	50	45	8	6	2.58

5. Provide pump calculations:

Both pumps are the same size.

$$\frac{50 (6.61)}{8+6+114.3} = 2.58 \text{ cfs} \times 2 \text{ pumps} = 5.16 \text{ cfs}$$

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6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
System not operating			

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

YES

8. Mainline Information:

	MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
Southwest System	8"	50'	HDPE	Buried
	6"	850'	PVC	Buried
	6"	1820'	Aluminum	Above Ground
Northwest & East Systems	8"	3675'	PVC	Buried
	6"	1175'	PVC	Buried
	6"	775'	Aluminum	Above Ground

9. Lateral or Handline Information:

	LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
Southwest System	3"	840'	Aluminum	Above Ground
Northwest & East Systems	3"	2200'	Aluminum	Above Ground
	4" Wheel	1100'	Aluminum	Above Ground
	6" Wheel	1100'	Aluminum	Above Ground

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
3/16"	45	6.8	1616	204	3.09 cfs (1387.2 gpm)

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
NA					

12. Drip Tape Information:

	DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION
Southwest System	30"	0.60	107,810	35,938	0.48 (216 gpm)	2 hr run per block, twice/day
				(107,810 ÷ 35,938 = 3 blocks)		Fertilize - April IR - May-Oct

13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
NA				

C. Storage

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

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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?

NO OWRD

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?

NO

F. Additional notes or comments related to the system:

Transmission pipelines are interconnected so either pump, or a combination of both, can service the entire irrigation area. Currently, this pump is set up to irrigate the northwest and east portions of the IR area.

This diversion point is also a diversion point for Certificate 48117.

**SECTION 5
CONDITIONS**

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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	July 30, 2015		
BEGIN CONSTRUCTION (A)	None	NA	NA
COMPLETE CONSTRUCTION (B)	July 30, 2020	March 11, 2020	Diversion and distribution system constructed, totalizing flow meters installed, fish screens in place and approved
COMPLETE APPLICATION OF WATER (C)	July 30, 2020	July 1, 2020	Water applied to authorized acres as developed in compliance with all permit conditions.

* 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)?

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**

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

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
POD 1-Rail Pump	Netafim	19-200000911	Working	0,035,232,356 GAL	3/11/2020
POD 2-Beach Pump	Netafim	17-200135750	Working	0,041,708,001 GAL	3/11/2020

4. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department?

YES

b. Have the reports been submitted?

YES

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

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5. Fish Screening:

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? YES

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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

YES

c. When was the fish screening installed?

DATE	BY WHOM
1998	Rob Heater

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

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? YES
see attached

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>

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

YES

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? NO

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
Letter dated 09/10/2019 from Hilary A. Doulos, Fish Screen and Passage Coordinator with ODFW, states that ". . . there are no bypass requirements that need to be addressed." See attached copy of letter.	NA	NA

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

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

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

7.a. *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 Compliance. The two points of diversion were in place at the current locations prior to the permit issuance. They are visible on Google Earth as early as 2004 and are the same POD's utilized by Certificate 46117 (1971 priority date).**

7.d. *The use of water under this right is subject to the terms and conditions of contract No. 149E101851, or a satisfactory replacement, between the Bureau of Reclamation and the permittee.* **In Compliance. Pertinent requirements within the contract include:**

1. *At the Contractor's point of diversion, fish screen(s) and/or fish passage structure(s), approved by NMFS or its designee, shall be installed, operated, and maintained in good operating condition by and at the expense of the Contractor, but shall remain at all times available for inspection by the United State and the State of Oregon, whose representatives may at all times have access to them over any lands of the Contractor.* **Fish screens were inspected on September 9, 2019 by Hilary A. Doulos, Fish Screen and Passage Coordinator at ODFW, and were found to be in compliance with NMFS criteria. A determination was also made that "As these are end of line diversion, there are no bypass requirements that need to be addressed." See attached letter.**
2. *Prior to delivery of water provided from or conveyed through federally constructed or federally financed facilities pursuant to this contract, the Contractor shall develop a water conservation plan, as required by Section 210(b) of the Reclamation Reform Act of 1982 and 43 C.F.R. 427.1 (Water Conservation Rules and Regulations).* **Jeanne Boatwright, in Corbey Boatwright's office, spoke by phone with Bill Parks, Economist, at the Bureau of Reclamation, Pacific Northwest Regional Office in Boise, Idaho on September 23, 2019. Mr. Parks was identified as the point of contact in the letter from Ryan M. Patterson, Program Manager, Repayment and Acreage**

Limitation, BOR, to WK&K land, LP dated Sep 17, 2014 which forwarded a fully executed copy of the water service contract to the applicant. Mr. Parks stated to Ms. Boatwright that “No water conservation plan was required under this contract.”

SECTION 6
ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Claim of Beneficial Use	Claim Map
Department of Fish and Wildlife, The Dalles Screen Shop	Letter from Hilary A. Doulos, Fish Screen and Passage Coordinator

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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.

Google Earth aerial photo, dated July 6, 2018. Linn County Survey Records CS's 2096, 6730, and 7412. "Well Survey" by Julius E. Purvine, PE, dated Dec 1956, in the GR-2727 WRD file.

Map Checklist

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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