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

OREGON WATER RESOURCES DEPARTMENT
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.

SECTION 1

GENERAL INFORMATION

1. File Information:

APPLICATION #	PERMIT #	PERMIT AMENDMENT #
S-84037	S-53603	T-NA

2a. Property Owner (current owner information): TL 09 3W 14 Lot 200

APPLICANT/BUSINESS NAME		PHONE NO.	ADDITIONAL CONTACT NO.
West Jefferson LC			
ADDRESS			
4194 71st Ave SE			
CITY	STATE	ZIP	E-MAIL
Salem	OR	97317	

2b. Property Owner (current owner information): TL 09 3W 14 Lot 201

APPLICANT/BUSINESS NAME		PHONE NO.	ADDITIONAL CONTACT NO.
Kalapuya Farm LLC			
ADDRESS			
4194 71st Ave SE			
CITY	STATE	ZIP	E-MAIL
Salem	OR	97317	

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

PERMIT HOLDER OF RECORD		
Heritage Seedling and Liners Inc., Mark and Jolly Krautmann		
ADDRESS		
4194 71st Ave SE		
CITY	STATE	ZIP
Salem	OR	97317

ADDITIONAL PERMIT HOLDER OF RECORD **NA**		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

May 17, 2021 **September 23, 2021**

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Lynda Boyer	**May 17, 2021,** **June 14, 2021** **September 23, 2021**	**Native Plant Manager**
Skip Gray	**May 24, 2021**	**Lessor**

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 **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.

Seal and Signature

CWRE NAME		PHONE NO.	ADDITIONAL CONTACT NO.
Doann Hamilton		**(503) 632-5016**	**(503) 349-6946**
ADDRESS			
18487 S. Valley Vista Road			
CITY	STATE	ZIP	E-MAIL
Mulino	**OR**	**97042**	**phgdmh@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
Heritage Seedlings + Liners, Inc	Heritage Seedlings + Liners, Inc.	—	Nov 29'21
Mark Krautmann	Mark Krautmann	Co-owner	Nov 29'21
Jolly Krautmann	Jolly Krautmann	Co-owner	Nov 29'21

SECTION 3

CLAIM DESCRIPTION

1. Point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
POD 1
POD 2
POD 3

2. Point of diversion source and tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
POD 1	**Westbrook Reservoir constructed under Permit R-12733**	**Miller Creek**
POD 2	**Unnamed Stream**	**Miller Creek**
POD 3	**Weaver Gulch**	**Miller Creek**

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.

Seal and Signature

CWRE NAME		PHONE NO.	ADDITIONAL CONTACT NO.
Doann Hamilton		**(503) 632-5016**	**(503) 349-6946**
ADDRESS **18487 S. Valley Vista Road**			
CITY **Mulino**	STATE **OR**	ZIP **97042**	E-MAIL **phgdmh@gmail.com**

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	IR and IS	Hazelnut trees	March 1 through October 21	1.05 cfs
POD 2	IR		March 1 through June 30, and September 1 through October 31	0.32 cfs
POD 3	IR			0.33 cfs
Total Quantity of Water Used				

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:

Water is pumped from POD 1 using 40Hp centrifugal pump. The intake pipe is submerged approximately 10 feet and 5 feet below the pump. A fish screen, Clearwater screen Model CW 800 GPM Rating 950 mesh size 12 maximum operating Pressure 40/65 PSI, is voluntarily installed at the intake. The water is then conveyed through 6 inch line into 3 sand filters then through the meter before discharging into the 6 inch PVC buried mainline. The 6 inch buried mainline reduces to 4, 3, and 2 inches as it covers the place of use. At the end of these mainline, drip tape is attached stretching one line per row of trees. All of the trees and place of use can be irrigated at the same time.

POD 2 and 3 are the same POD's for Certificate 23305. The set up for both POD's to primary irrigate the place of use south of the creek, is the same set up used to primary irrigate the place of use north of the creek. A 5.5Hp trash pump is used with 2 inch rubberized semi-ridged hose installed in the creek with ODFW approved fish screen (4.5 inch diameter by 19 inch long rated up to 0.37 cfs, screen). The water is pump up from the creek about 11 feet for POD 2 and 7 feet POD 3 through 2 inch rubberized semi-ridged hose connected to 2 inch poly vinyl lay flat hose with a meter, that discharges the water into 1,600 gallon poly tank mounted on a flatbed trailer about foot off the ground. The trailer is then taken to the place of use. At the place of use, the water is discharged from the poly using the same trash pump, through the 2 inch flat hose into portable 2 inch aluminum pipe with Nelson impact sprinklers every 40 feet. A total of 12 sprinkler heads can be irrigated at one time. These overhead sprinklers are used in addition to the drip in areas that need additional water.

Note the meter for POD 2 and 3 is the same meter. Meter readings are taken and recorded after each POD is used. (The permit does not specify a separate meter for each POD.)

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."*)

1. **After field verifying the location of crops being irrigated, the place of use was reduced from the originally authorized acreage.**

Original authorized place of use:

				Primary	Supplemental
9S	3W	14	NENE	14.5	
9S	3W	14	NWNE	7.2	
9S	3W	14	SWNE	40.0	
9S	3W	14	SENE	40.0	
9S	3W	14	NENW	7.4	
9S	3W	14	NWNW	7.6	
9S	3W	14	SWNW	40.0	
9S	3W	14	SENW	40.0	
9S	3W	14	NESW	37.0	2.9
9S	3W	14	NWSW	37.1	2.9
9S	3W	14	SWSW	4.0	1.2
9S	3W	14	SESW	2.0	2.7
9S	3W	14	NESE	31.8	2.5
9S	3W	14	NWSE	25.7	6.8
9S	3W	14	SWSE		2.6
9S	3W	14	SESE	2.7	0.8
9S	3W	15	NENE	3.3	
9S	3W	15	SENE	10.8	
9S	3W	15	NESE	5.5	
9S	3W	15	SESE	0.3	
			Total:	356.9	22.4

Revised place of use with the addition of DLC:

					Primary	Supplemental
99S	3W	14	NENW	DLC 42	3.6	
9S	3W	14	NWNW	DLC 42	3.1	
9S	3W	14	SWNW	DLC 42	39.8	
9S	3W	14	SENW	DLC 42	18.2	
9S	3W	14	NESW	DLC 42	17.6	1.5
9S	3W	14	NWSW	DLC 42	24.9	1.2
9S	3W	14	SWSW	DLC 42	6.1	1.9
9S	3W	14	SESW	DLC 42	0.7	3.0
9S	3W	14	NESE	Lot 1	2.7	
9S	3W	14	NESE	DLC 42	4.6	
9S	3W	14	NWSE	DLC 42	2.4	7.3
9S	3W	14	SWSE	DLC 42	2.2	1.8
9S	3W	14	SESE	DLC 42	1.0	

9S	3W	15	NENE	DLC 42	1.5	
9S	3W	15	SENE	DLC 42	8.1	
9S	3W	15	NESE	DLC 42	3.1	
9S	3W	15	SESE	DLC 42	0.3	
				Total:	139.9	16.7

Note: Primary water right is Certificate 23305. The place of use per the certificate and the map conflict. More acres were mapped than are allowed per the certificate. Locations for these acres were determined by best judgement.

2. Listed:
   POD 1 (Westbrook Reservoir) located: NW SE, Section 14, T. 9S., R.3W., 2,030 feet north and 1,725 feet west from SE corner, Section 14.

   POD 2 (unnamed stream) located is not described.

   POD 3 (Weaver Gulch) located is not described.

   Revised:
   POD 1 (Westbrook Reservoir) located: NW SE, Section 14, T. 9S., R.3W., 2,395 feet north and 1,725 feet west from SE corner, Section 14.

   POD 2 (Unnamed Stream) located: NW SE, Section 14, T. 9S., R.3W., 1,430 feet north and 1,410 feet west from SE corner, Section 14.

   POD 3 (Weaver Gulch) located: NW SE, Section 14, T. 9S., R.3W., 1,500 feet north and 1,355 feet east from SW corner, Section 14.

3. Note:
   POD 2 and 3 are the same POD for primary Certificate 23305 and therefore cannot be used as supplemental on the POU for this water right.

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	105 AF from Reservoir,	1.05 cfs	Not measured	IR & IS	IR – 356.9 IS – 22.4	IR – 139.9 IS – 16.7
POD 2	0.45 cfs from unnamed stream,	0.32 cfs	Not measured	IR		IR – 139.9
POD 3	0.55 cfs from Weaver gulch	0.33 cfs	Not measured			

SECTION 4a of 4c

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 1 – Westbrook Reservoir

A. Place of Use

1. Is the right for municipal use? **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
9S	3W	WM	14	NENW	NA	42	Irrigation	3.6	
9S	3W	WM	14	NWNW	NA	42	Irrigation	3.1	
9S	3W	WM	14	SWNW	NA	42	Irrigation	39.8	
9S	3W	WM	14	SENW	NA	42	Irrigation	18.2	
9S	3W	WM	14	NESW	NA	42	Irrigation	17.6	1.5
9S	3W	WM	14	NWSW	NA	42	Irrigation	24.9	1.2
9S	3W	WM	14	SWSW	NA	42	Irrigation	6.1	1.9
9S	3W	WM	14	SESW	NA	42	Irrigation	0.7	3.0
9S	3W	WM	14	NESE	Lot 1	NA	Irrigation	2.7	
9S	3W	WM	14	NESE	NA	42	Irrigation	4.6	
9S	3W	WM	14	NWSE	NA	42	Irrigation	2.4	7.3
9S	3W	WM	14	SWSE	NA	42	Irrigation	2.2	1.8
9S	3W	WM	14	SESE	NA	42	Irrigation	1.0	
9S	3W	WM	15	NENE	NA	42	Irrigation	1.5	
9S	3W	WM	15	SENE	NA	42	Irrigation	8.1	
9S	3W	WM	15	NESE	NA	42	Irrigation	3.1	
9S	3W	WM	15	SESE	NA	42	Irrigation	0.3	
Total Acres Irrigated								139.9	16.7

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**

If "NO" items 2 through item 6 may be deleted.

2. Pump Information:

Manufacturer	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake Size	Discharge Size
Tsurumi Pump	EPT3-150YD	T0603201	Centrifugal	6 inch	6 inch

3. Motor Information:

Manufacturer	Horsepower
Yanmar Co LTD (3TNV88-D)	40 Hp

4. Theoretical Pump Capacity:

Horsepower	Operating PSI	Lift from Source to Pump	Lift from Pump to Place of Use	Total Pump Output (in cfs)
40 Hp	32 psi	15 feet	0 feet	2.75 cfs

5. Provide pump calculations:

$$Q\ Pump = \frac{(40\ Hp) \times (6.61\ ft^4/sec\ Hp)}{(15\ ft\ lift + 81.3\ ft\ pressure\ head)} = 2.75\ cfs$$

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)
Not running during site visit			

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

7. Is the distribution system piped? **YES**

If "NO" items 8 through item 13 may be deleted.

8. Mainline Information:

Mainline Size	Length	Type of Pipe	Buried or Above Ground
6 inch – connect intake to surface	20 feet	Aluminum	Above ground and below water line
6 inch – connect the aluminum intake to the pump and sand filter	20 feet	Vinyl hose	Above ground
6 inch – from sand filter to below ground PVC	15 feet	Steel	Above ground
6 inch	14,500 feet	PVC	Buried
4 inch	630 feet	PVC	Buried
3 inch	1,275 feet	PVC	Buried
2 inch	10,030 feet	PVC	Buried

9. Lateral or Handline Information:

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
NA			

10. Sprinkler Information:

Size	Operating PSI	Sprinkler Output (GPM)	Total Number of Sprinklers	Maximum Number Used	Total Sprinkler Output (CFS)
NA					

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
30 inch	**0.0016 gpm/ft = 0.16 gpm/100 feet**	**294,740 feet**	**294,740 feet**	**471.6 gpm = 1.05 cfs**	**None**

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)? **YES**

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank **NO**
Bulge in System / Reservoir **YES**

Complete appropriate table(s), unused table may be deleted.

3. Bulge in System / Reservoir:

Reservoir Name or Number (correspond to map)	Approximate Dam Height	Approximate Capacity (in acre feet)
Westbrook Reservoir constructed under Permit R-12733, Certificate 92111	**25.0 feet**	**105.0 AF for irrigation**

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**

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

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**

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

F. Additional notes or comments related to the system:

A fish screen voluntary installed: Clearwater screen Model CW 800 GPM Rating 950 mesh size 12 max operating Pressure 40/65 PSI.

This pump also supplies Permit S-53817

SECTION 4b of 4c

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 – Unnamed Stream

A. Place of Use

1. Is the right for municipal use? **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
9S	3W	WM	14	NENW	NA	42	Irrigation	3.6	
9S	3W	WM	14	NWNW	NA	42	Irrigation	3.1	
9S	3W	WM	14	SWNW	NA	42	Irrigation	39.8	
9S	3W	WM	14	SENW	NA	42	Irrigation	18.2	
9S	3W	WM	14	NESW	NA	42	Irrigation	17.6	
9S	3W	WM	14	NWSW	NA	42	Irrigation	24.9	
9S	3W	WM	14	SWSW	NA	42	Irrigation	6.1	
9S	3W	WM	14	SESW	NA	42	Irrigation	0.7	
9S	3W	WM	14	NESE	Lot 1	NA	Irrigation	2.7	
9S	3W	WM	14	NESE	NA	42	Irrigation	4.6	
9S	3W	WM	14	NWSE	NA	42	Irrigation	2.4	
9S	3W	WM	14	SWSE	NA	42	Irrigation	2.2	
9S	3W	WM	14	SESE	NA	42	Irrigation	1.0	
9S	3W	WM	15	NENE	NA	42	Irrigation	1.5	
9S	3W	WM	15	SENE	NA	42	Irrigation	8.1	
9S	3W	WM	15	NESE	NA	42	Irrigation	3.1	
9S	3W	WM	15	SESE	NA	42	Irrigation	0.3	
Total Acres Irrigated								139.9	0.0

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**

If "NO" items 2 through item 6 may be deleted.

2. Pump Information:

Manufacturer	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Banjo self-priming	Tag unreadable	Tag unreadable	Centrifugal	2 inch	2 inch

3. Motor Information:

Manufacturer	Horsepower
Briggs Stratton Intex 206	5.5 Hp

4. Theoretical Pump Capacity:

Horsepower	Operating PSI	Lift from Source to Pump	Lift from Pump to Place of Use	Total Pump Output (in cfs)
5.5 Hp	40 psi	11 feet	1 feet	0.32 cfs

5. Provide pump calculations:

$$Q\ Pump = \frac{(5.5\ Hp) \times (6.61\ ft^4/sec\ Hp)}{(12\ ft\ lift + 101.6\ ft\ pressure\ head)} = 0.32\ cfs$$

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)
Not running during site visit			

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

7. Is the distribution system piped? **YES**

If "NO" items 8 through item 13 may be deleted.

8. Mainline Information:

Mainline Size	Length	Type of Pipe	Buried or Above Ground
2 inch	50 feet	Rubberized semi-ridge	Above
2 inch – Lay flat hose	500 feet	Vinyl hose	Above

9. Lateral or Handline Information:

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
2 inch	480 feet	Aluminum	Above ground

10. Sprinkler Information:

Size	Operating PSI	Sprinkler Output (gpm)	Total Number of Sprinklers	Maximum Number Used	Total Sprinkler Output (cfs)
Nelson Purple 3/32"	50 psi	1.8 gpm	12	12	0.048 cfs

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
NA					

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)? **YES**

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank **YES**
Bulge in System / Reservoir **NO**

Complete appropriate table(s), unused table may be deleted.

2. Storage Tank:

Material (concrete, fiberglass, metal, etc.)	Capacity (in gallons)	Above Ground or Buried
Poly tank	**1,600 gallons**	**Above ground**

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**

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

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**

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

F. Additional notes or comments related to the system:

1. **With ODFW approved fish screen 4.5" diameter by 19" inch long rated up to 0.37 cfs, screen.**
2. **This pump is the same setup: pump, meter and fish screen are used on POD 3. The meter reading is recorded separately for each POD.**
3. **Both POD 2 and POD 3 are also used as primary for Certificate 23305**

SECTION 4c of 4c

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 3 – Weaver Gulch

A. Place of Use

1. Is the right for municipal use? **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
9S	3W	WM	14	NENW	NA	42	Irrigation	3.6	
9S	3W	WM	14	NWNW	NA	42	Irrigation	3.1	
9S	3W	WM	14	SWNW	NA	42	Irrigation	39.8	
9S	3W	WM	14	SENW	NA	42	Irrigation	18.2	
9S	3W	WM	14	NESW	NA	42	Irrigation	17.6	
9S	3W	WM	14	NWSW	NA	42	Irrigation	24.9	
9S	3W	WM	14	SWSW	NA	42	Irrigation	6.1	
9S	3W	WM	14	SESW	NA	42	Irrigation	0.7	
9S	3W	WM	14	NESE	Lot 1	NA	Irrigation	2.7	
9S	3W	WM	14	NESE	NA	42	Irrigation	4.6	
9S	3W	WM	14	NWSE	NA	42	Irrigation	2.4	
9S	3W	WM	14	SWSE	NA	42	Irrigation	2.2	
9S	3W	WM	14	SESE	NA	42	Irrigation	1.0	
9S	3W	WM	15	NENE	NA	42	Irrigation	1.5	
9S	3W	WM	15	SENE	NA	42	Irrigation	8.1	
9S	3W	WM	15	NESE	NA	42	Irrigation	3.1	
9S	3W	WM	15	SESE	NA	42	Irrigation	0.3	
Total Acres Irrigated								**139.9**	**0.0**

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**

If "NO" items 2 through item 6 may be deleted.

2. **Pump Information:**

Manufacturer	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Banjo self-priming	Tag unreadable	Tag unreadable	Centrifugal	2 inch	2 inch

3. **Motor Information:**

Manufacturer	Horsepower
Briggs Stratton Intex 206	5.5 Hp

4. **Theoretical Pump Capacity:**

Horsepower	Operating PSI	Lift from Source to Pump	Lift from Pump to Place of Use	Total Pump Output (in cfs)
5.5 Hp	40 psi	7 feet	1 feet	0.33 cfs

5. **Provide pump calculations:**

$$Q\ Pump = \frac{(5.5\ Hp) \times (6.61\ ft^4/sec\ Hp)}{(8\ ft\ lift + 101.6\ ft\ pressure\ head)} = 0.33\ cfs$$

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)
Not running during site visit			

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

7. **Is the distribution system piped?** **YES**

If "NO" items 8 through item 13 may be deleted.

8. **Mainline Information:**

Mainline Size	Length	Type of Pipe	Buried or Above Ground
2 inch	50 feet	Rubberized semi-ridge	Above
2 inch – Lay flat hose	500 feet	Vinyl hose	Above

9. **Lateral or Handline Information:**

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
2 inch	480 feet	Aluminum	Above ground

10. **Sprinkler Information:**

Size	Operating PSI	Sprinkler Output (GPM)	Total Number of Sprinklers	Maximum Number Used	Total Sprinkler Output (cfs)
Nelson Purple 3/32"	50 psi	1.8 gpm	12	12	0.048 cfs

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
NA					

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)? **YES**

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank **YES**
Bulge in System / Reservoir **NO**

Complete appropriate table(s), unused table may be deleted.

2. Storage Tank:

Material (concrete, fiberglass, metal, etc.)	Capacity (in gallons)	Above Ground or Buried
Poly tank	**1,600 gallons**	**Above ground**

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**

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

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**

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

F. Additional notes or comments related to the system:

1. **With ODFW approved fish screen 4.5" diameter by 19" inch long rated up to 0.37 cfs, screen.**
2. **This pump is the same setup: pump, meter and fish screen are used on POD 3. The meter reading is recorded separately for each POD.**
3. **Both POD 2 and POD 3 are also used as primary for Certificate 23305**

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	**July 30, 1999**		
Begin construction (A)	**July 30, 1999**	**July 1, 1999 per extension filed September 16, 2004**	**Construction began and completed fall 2000**
Complete construction (B)	**NA**	**June 28, 2021**	**ODFW fish screen approved for POD 2 and POD 3**
Complete application of water (C)	**October 1, 2003 extended to October 1, 2021**	**September 2021**	**All the permit conditions have been met and water was put to full use.**

* 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**

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

a. Did the Extension Final Order require the submittal of Progress Reports? **YES**

Due October 1, 2016

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

b. Were the Progress Reports submitted? **YES**

Received September 28, 2016

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

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**

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**

c. Meter Information

POD Name or #	Manufacturer	Serial #	Condition (working or not)	Current Meter Reading	Date Installed
POD 1	**Netafim**	**20-150000209**	**Working**	**53,556 gallons (May 17, 2021) 54,166,470 gallons (September 23, 2021)**	**Replaced: April 2021**
POD 2	**Badger**	**17384280**	**Working**	**69,637,273 gallons September 23, 2021**	**June 2021**
POD 3					

If a meter has been installed, items d through f relating to this section may be deleted.

4. Recording and reporting conditions:

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

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

b. Have the reports been submitted? **YES**

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?

NO for POD 1
- Per letter from ODFW dated August 12, 1999 no fish passage or screening are required

YES – POD 2 and 3

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**

c. When was the fish screening installed?

SOURCE	DATE	BY WHOM
POD 1 – voluntary installed	**May 2018**	**Heritage Seedling**
POD 2	**June 2021**	**Heritage Seedling**
POD 3	**June 2021**	**Heritage Seedling**

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? **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? **YES**

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**

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**

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
Per letter from ODFW dated August 12, 1999 no fish passage or screening is required at POD 1	**NA**	**NA**
Per letter from ODFW dated June 28, 2021 no by-pas device is required at POD 2 or 3	**NA**	**NA**

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**

b. Was a fishway required? **NO**

c. Was submittal of a water management and conservation plan required? **NO**

d. Other conditions? **NO**

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

a) Condition:

If the riparian area is disturbed in the process of developing a point of diversion, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.

Compliance:

POD 1: the centrifugal pump is mounted on a trailer bed with rubber tires alongside the bank of the reservoir with the intake hose extended toward the bank and supported by a metal stand. The intake pipe is then attached to the end of the hose, above the bank and down to the desired depth. The intake pipe is installed at the beginning of the season and removed at the end, limiting additional adjustments to the pipe during the season.

POD 2 and 3: The trash pump is set up along the upper banks which the intake hose and fish screen submerged in the creek. The intake hose is only installed when needed and removed after use.

SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Claim of Beneficial Use Map	**Claim of Beneficial Use Map**
BLM Cadastral Map	**BLM Cadastral Map T.8S. R.2W. showing DLC and Government Lot locations**
Letter from ODFW, dated August 12, 1999	**Letter stating a fish screen and/or fish by-pass devise is not required at POD 1.**
Letter from ODFW, dated June 28, 2021	**Letter approving the fish screen and fish by-pass devise is not required at POD 2 and 3.**

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.

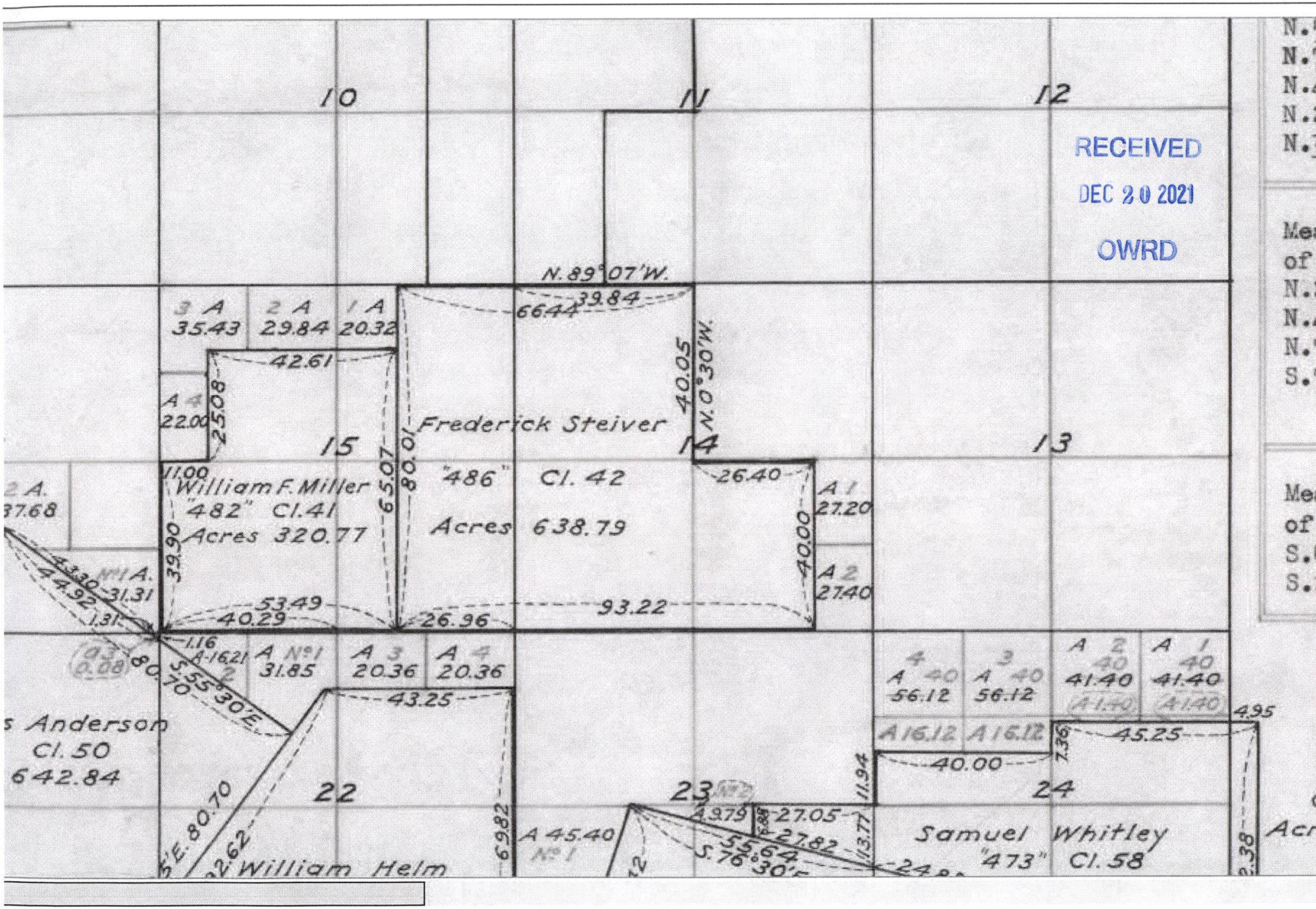
The COBU map was prepared using tax assessor's map 09 3W 14, overlain by a 2014 aerial photo titled USDA-FSA-APFO NAIP County Mosaic and obtained on line from the Natural Resources Conservation Service, Image Metadata:
http://datagateway.nrcs.usda.gov/Catalog/ProductDescription/NAIPM.html

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
- ☒ 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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N.89°07'W.
39.84
66.44
3 A 35.43
2 A 29.84
1 A 20.32
42.61
A 4 22.00
25.08
40.05
N.0°30'W.
Frederick Steiver
"486" Cl. 42
Acres 638.79
15
14
13
11.00
William F. Miller
"482" Cl.41
Acres 320.77
65.07
80.01
26.40
A 1 27.20
40.00
A 2 27.40
2 A. 37.68
39.90
No1 A. 31.31
43.30
44.92
1.31
53.49
40.29
26.96
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A-16.21
A No1 31.85
A 3 20.36
A 4 20.36
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S.55°30'E.
43.25
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55.64
S.76°30'E
13.77
Samuel Whitley
"473" Cl. 58
William Helm
2.38
Acr

84037 & 84036

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WATER RESOURCES DEPT.
SALEM, OREGON

Oregon

DEPARTMENT OF
FISH AND
WILDLIFE

Salem District Office

Aug. 12, 1999

Water Rights Section
Water Resources Department
158 12th Street NE
Salem, OR 97310

Re: Permit No. 53603 and R-12733
Westbrook, Glen and Mary
Marion County
Weaver Gulch > Miller Creek; 121 acre feet

ODFW inventoried the site of this proposed reservoir for the presence of fish resources on April 12, 1999. No fish species were present in the north branch of Weaver Gulch, where the reservoir will be located, and existing habitat does not appear to be suitable for supporting trout. Therefore, neither fish passage nor screening will be required at this impoundment.

Sincerely,

Wayne L. Hunt

Wayne Hunt
Fish Biologist

C: Boatwright Engineering
Glen and Mary Westbrook
Zarnowitz, HD

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4412 Silverton Road NE
Salem, OR 97305
(503) 378-6925
FAX (503) 378-6233

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

June 28, 2021

Attn. Mark Krautman
Heritage Seedlings & Liners
4194 71st Ave SE
Salem, OR 97317

RE: Application S-84037

To Whom It May Concern:

This letter is in regards to fish screening and bypass device requirements set forth by the Oregon Water Resources Department for S-84037. This allocates 0.45 cfs of water to be withdrawn from an unnamed stream and 0.55 cfs to be withdrawn from Weaver Gulch.

There is a mobile pump station that is transferred between these two points of diversion and uses the same pump screen for each site. The landowner constructed and installed a passive end of pipe screen to meet screening requirements for the actual water use of 0.32 cfs at POD 2, and 0.33 cfs at POD 3. The screen that has been installed is passive cylinder-shaped screen that measures 4.5" in diameter and is 19" long. This screen is rated for up to 0.37 cfs, and when installed and maintained properly will protect all age classes of anadromous salmonids from entrapment and impingement. ODFW concludes that this screen will meet current state and federal fish screening criteria set forth by National Marine Fisheries Service for a withdrawal rate up to 0.37 cfs, and will satisfy the screening requirements for S-84037. This is an end of pipe screen so no by-pass device is necessary at these points of diversion.

This approval is contingent on the following: the screen is installed each year prior to any diversion of water, the screen is installed so that the effective screen area is submerged during operation, and the screen is regularly inspected and maintained to ensure it remains in working order.

If there are any questions regarding the approval of this screen for S-84037, please call me at 541-967-2126.

Sincerely,

Bryce Macnab
Fish Screens and Passage Coordinator