

**CLAIM OF
BENEFICIAL USE
for Reservoir Permits by CWREs
(not self-certified)**



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

**A fee of \$230 must accompany this form for permits
with priority dates of July 9, 1987, or later.
Claims received without the correct fee of \$200 will be returned.**

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>

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 #	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
R-88479	R-15393	



2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME SUNRISE PARKWAY LLC		PHONE NO. 541.601.0105	ADDITIONAL CONTACT NO.
ADDRESS POB 1269			
CITY SHADY COVE	STATE OR	ZIP 97539	E-MAIL ROBINWRRC@AOL.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 holder of record (this may, or may not, be the current property owner)

PERMIT HOLDER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

MULTIPLE – 2022, 2023, 2024

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
ROBIN and GARY WEATHERS	JAN/FEB 2024	PERMITTEES
JOHN AMES	MULTIPLE	SITE MANAGER

6. County

JACKSON

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**

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 RICK PARSONS		PHONE No. 541.499.0257	ADDITIONAL CONTACT No. 303.667.5067
ADDRESS 1619 MINEAR RD			
CITY MEDFORD	STATE OR	ZIP 97501	E-MAIL RICK.PARSONS@PARSONSWATER.COM

Permit Holder's of Record Signature or Acknowledgement

Each permit or transfer 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
	SUNRISE PARKWAY L.L.C. ROBIN WEATHERS, MEMBER	PERMITTEE	MAR 05, 2024
	SUNRISE PARKWAY L.L.C. GARY WEATHERS, MEMBER	PERMITTEE	MAR 05, 2024

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**SECTION 3
CLAIM DESCRIPTION**

1. Reservoir source and, if from surface water, the tributary:

RESERVOIR NAME OR NUMBER	SOURCE	TRIBUTARY
SUNRISE POND	RUNOFF	LITTLE BUTTE CREEK

2. Developed use(s), period of use, and acre foot (af) for each use:

RESERVOIR NAME OR NUMBER	USES	SEASON OR MONTHS WHEN WATER WAS APPROPRIATED FOR STORAGE	VOLUME STORED (AF)
SUNRISE POND	AGRICULTURE, INCL IRR	DEC – APR	45
Total Quantity of Water Stored			45

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

RESERVOIR IS FORMED BY UNLINED CELLS WITHIN KIMMEL PROPERTY MINING PERMIT AREA. PROPERTY IS BOUNDED ON WEST SIDE BY HILLS AND FILLED VIA PRECIPITATION AND LOCAL RUNOFF SHEET FLOW PREDOMINANTLY COMING ON SITE FROM NORTH AND NORTHWEST.

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).

4. Variations:

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below. YES NO

(e.g. "The permit allowed the development of three reservoirs. The permit holder only developed one of the reservoirs." or "The permit allowed for the storage of 9 acre feet of water. The reservoir was developed to hold 5.2 acre feet.")

5. Claim Summary:

RESERVOIR NAME OR #	MAXIMUM STORAGE AUTHORIZED BY PERMIT (AF)	MAXIMUM STORAGE DEVELOPED (AF)
SUNRISE POND	300	45

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SECTION 4
SYSTEM DESCRIPTION

Are there multiple reservoirs?

YES NO

If "YES" you will need to copy and complete Sections A through E for each reservoir.

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

THERE ARE MULTIPLE CELLS THAT MAKE UP THE RESERVOIR. STORAGE VOLUMES PER CELLS ESTIMATED AS NOTED IN SECTION 4.B.6

A. Reservoir Location

1. Is the reservoir on-channel?

YES NO

2. Provide dam outlet location and/or point of diversion(s).

TWP	RNG	MER	SEC	QQ	GLOT	DLC	MEASURED DISTANCES
35 S	1 W	W.M.	28	SE SE			NO DAM OUTLET

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), and Quarter-Quarters (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 the water from the point(s) of diversion to the reservoir.

1. Is a pump used?

YES NO

If "NO" items 2 through item 5 may be deleted.

6. Additional notes or comments related to the system:

MINING EFFORTS HAVE RESULTED IN MULTIPLE CELLS OVER THE MINING PERMIT AREA AND CORRESPONDING STORAGE RIGHT PERMIT AREA. THE MINING CELLS ARE OF DIFFERENT SHAPES AND DEPTHS; AS ILLUSTRATED IN THE ATTACHED CONTOUR FIGURE. ALL OF THE CELLS ARE PHYSICALLY SEPARATE FROM ONE ANOTHER ALTHOUGH A SUB-GROUP OF MINED CELLS ARE COMPLETELY INUNDATED WITHIN A LARGER AREA WHEN INFLOWS ARE SUFFICIENT TO COVER THE MULTIPLE BELOW-GROUND CELLS.

DUE TO THE FAIRLY COMPLEX PHYSICAL SET UP AND THE FACT THIS IS STILL AN ACTIVE MINING SITE, THE USE OF STAFF GAGES TO MEASURE STORAGE VOLUMES IS PROBLEMATIC AND IS NOT CONSIDERED TO PROVIDE MUCH GREATER ACCURACY THAN THE ALTERNATIVE PROPOSAL RECOMMENDED HEREIN.

THIS STORAGE RIGHT IS THE SOURCE OF WATER FOR IRRIGATION ON A NEIGHBORING PARCEL (PERMIT S-55239) THAT WAS PERMITTED COINCIDENT WITH THE STORAGE RIGHT PERMIT. A COBU FOR S-55239 IS

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WE PROPOSE THE FOLLOWING APPROACH TO QUANTIFY WATER ASSOCIATED WITH BOTH THE STORAGE RIGHT AND THE SECONDARY PERMIT.

- 1) 2-FOOT CONTOURS ARE AVAILABLE FROM THE JACKSON COUNTY GIS DEPARTMENT AND WERE USED TO DEVELOP ELEVATION-AREA-STORAGE CAPACITY TABLES OF THE MINING CELLS (ATTACHED).
- 2) THESE CONTOURS RESULT IN A TOTAL MAXIMUM STORAGE VOLUME OF APPROXIMATELY 45 ACRE-FEET (PERMITTED STORAGE VOLUME OF 300 ACRE-FEET) THAT HAS BEEN FILLED PRIOR TO THE C-DATE. NOTE THIS MAXIMUM STORAGE VOLUME IS CONSIDERED TO BE A RELATIVELY CONSERVATIVE ESTIMATE. A TOTAL VOLUME OF APPROXIMATELY 130 ACRE-FEET WAS ESTIMATED BASED ON RECORDS OF THE IN-GROUND TONS OF MATERIAL EXCAVATED AT SITE SINCE MINING BEGAN AND THE STANDARD DOGAMI CONVERSION FACTOR OF IN-GROUND TONS TO CUBIC YARDS (AND SUBSEQUENTLY CONVERTED TO ACRE-FEET). AS SUCH, IT IS A REASONABLE ASSUMPTION THE CLAIMED STORAGE VOLUME OF 45 ACRE-FFET DOES NOT INTERCEPT TRIBUTARY GROUND WATER.
- 3) WATER IN STORAGE IS ESTIMATED FROM THE ELEVATION-CAPACITY TABLES AND THE RECORD OF TOTAL AMOUNT STORED WAS SUBMITTED TO OWRD STARTING IN THE 2024 WATER YEAR.
- 4) FORTY-FIVE (45) ACRE-FEET FROM THIS SOURCE IS LIMITED FOR IRRIGATION USE ON THE ADJACENT 14.8 ACRES OF DEVELOPED AGRICULTURAL LAND (PERMIT S-55239).
- 5) IRRIGATION WATER FROM SUNRISE POND THAT IS USED ON THE 14.8 ACRES IS METERED AND RECORDS OF IRRIGATION WATER USE ARE SUBMITTED TO OWRD ANNUALLY.

C. 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

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

D. 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.

E. Reservoir

1. Does the reservoir require the submittal of as-built plans and specifications?

YES NO

If “YES”, answer item 2; items 3 through 8 relating to this section may be deleted.

If “NO”, skip items 2; answer items 3 through 8.

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2. Complete the table:

HAVE THE DOCUMENTS BEEN SUBMITTED? YES OR NO	WHEN WERE THE DOCUMENTS SUBMITTED?	HAVE THEY BEEN APPROVED BY THE DEPARTMENT?	NUMBER OF ACRE FEET STORED

3. If the reservoir stores less than 9.2 acre-feet of water or if the dam is less than 10 feet in height, and as-built plans and specifications are not required, complete the table and items 4 through 8.

MAXIMUM DEPTH	AVERAGE DEPTH	SURFACE AREA (IN ACRES)	VOLUME (IN ACRE FEET)
8'-27' IN INDIVIDUAL CELLS	4'-20' IN INDIVIDUAL CELLS	4.5 ACRES MAXIMUM	45 AC-FT MAXIMUM

4. Provide reservoir volume calculations:

SEE ATTACHED SHEET

5. Provide the following information concerning the physical characteristics of the dam:

CREST WIDTH (W)	DAM HEIGHT AT CENTERLINE (H)	DISTANCE FROM DOWNSTREAM TOP OF DAM TO DOWNSTREAM TOE (L)	DISTANCE FROM UPSTREAM TOP OF DAM TO UPSTREAM TOE (U)	WATER LEVEL AT INSPECTION	DOWN-STREAM SLOPE	UP-STREAM SLOPE
ALL CELLS ARE BELOW GROUND						

6. Provide a drawing showing the cross section of the dam at the maximum section indicating details and dimensions. The drawing should be drawn at a standard even scale.

ALL CELLS ARE BELOW GROUND

7. Describe the outlet works (size and type of the outlet conduit and location):

NOT APPLICABLE

8. Describe the emergency spillway (dimensions and location):

BOTTOM WIDTH (W)	TOP WIDTH (L)	SPILLWAY DEPTH (H)
NOT APPLICABLE		

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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 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 extension final order:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	1/6/2019		
BEGIN CONSTRUCTION (A)	1/6/2024	1990s – PRESENT	MINING AGGREGATE MATERIAL MINING IS ONGOING ALTHOUGH HAS BEEN MINIMAL IN RECENT MINING YEARS AS RECLAMATION EFFORTS HAVE BEEN ONGOING. ADDITIONAL STORAGE CAPACITY TO BE CREATED BY MINING NOT CONSIDERED TO BE SIGNIFICANT.
COMPLETE CONSTRUCTION (B)	1/6/2024	2023	
COMPLETE APPLICATION OF WATER (C)	1/6/2024	2023	

* 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 or appropriation.

b. Has a meter been installed?

YES NO

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED

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

d. If a meter has not been installed, has a suitable measuring device, has a suitable measuring device been installed and approved by the Department?

YES NO

e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

NAME	TITLE	APPROXIMATE DATE

f. Measurement Device Description

DEVICE DESCRIPTION	CONDITION (WORKING OR NOT)	DATE INSTALLED

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. Outlet Pipe

a. Is the water user required to install a minimum 8" outlet pipe/conduit? YES NO

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

6. 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: 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>

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.

7. 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.

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8. 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 letter from an engineer required prior to storage of water? YES NO
- d. Was submittal of a water management and conservation plan required? YES NO
- e. 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):

**SECTION 6
ATTACHMENTS**

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

ATTACHMENT NAME	DESCRIPTION
MINING CELLS CONTOUR FIGURE	
ELEVATION-AREA-CAPACITY TABLES FOR MINING CELLS	

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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.

Map Checklist

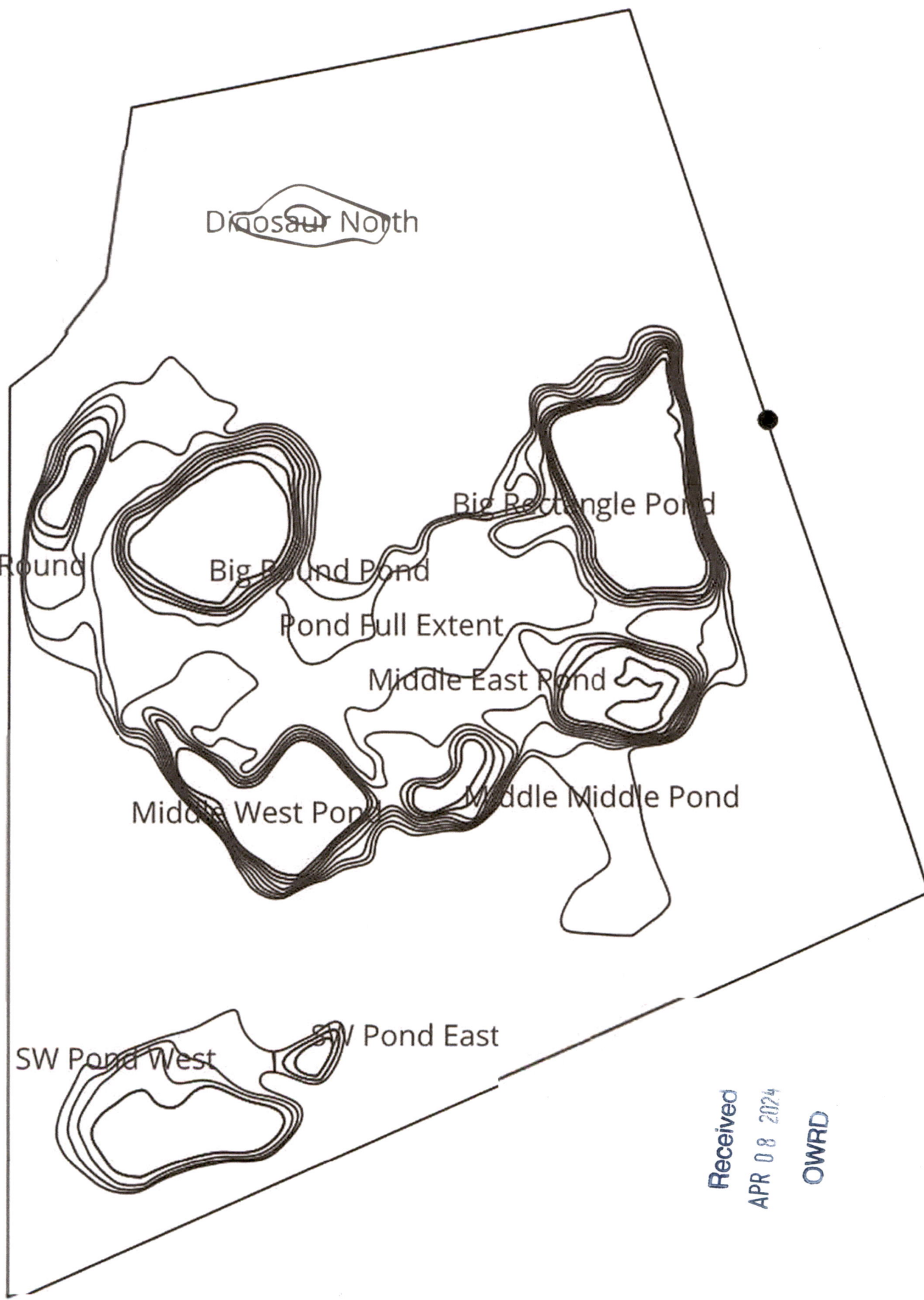
Please be sure that the map you submit includes ALL the items listed below.

(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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SUNRISE POND (PERMIT S-15393) STORAGE VOLUME CALCULATIONS

ID	(1) Area (acs)	(2) Total Area	(3) Pond Name	(4) Contour (ft)	(5) Max Depth (ft)	(6) Contour Depth (ft)	(7) RADIUS	(8) DIFF	(9) SLOPE	(10) VOLUME	(11) Total Volume (AF)	(12) Total Area (acs)
	0.0080	0.0080			12		10.5				0.53	0.09
1	0.0091	0.0091	Dinosaur North	1440		2	11.2	0.7	22	0.02		
2	0.0837	0.0928	Dinosaur North	1450		10	35.9	24.6	22	0.51		
	0.0305	0.0305			8		20.6				0.52	0.15
11	0.0321	0.0321	W of Big Round	1436		2	21.1	0.5	16	0.06		
12	0.0239	0.0560	W of Big Round	1438		2	27.9	6.8	16	0.09		
13	0.0245	0.0805	W of Big Round	1440		2	33.4	5.5	20	0.14		
14	0.0670	0.1475	W of Big Round	1442		2	45.2	11.8	10	0.23		
	0.1931	0.1931			25		51.7				6.21	0.40
21	0.2359	0.2359	Big Round Pond	1432		17	57.2	5.4	19	3.65		
22	0.0491	0.2850	Big Round Pond	1434		2	62.9	5.7	19	0.52		
23	0.0369	0.3219	Big Round Pond	1436		2	66.8	3.9	27	0.61		
24	0.0339	0.3558	Big Round Pond	1438		2	70.2	3.4	30	0.68		
25	0.0471	0.4029	Big Round Pond	1440		2	74.7	4.5	24	0.76		
	0.2658	0.2658			27		60.7				9.08	0.50
31	0.3414	0.3414	Big Rectangle Pond	1430		19	68.8	8.1	26	5.77		
32	0.0416	0.3830	Big Rectangle Pond	1432		2	72.9	4.1	26	0.72		
33	0.0282	0.4112	Big Rectangle Pond	1434		2	75.5	2.6	37	0.79		
34	0.0301	0.4413	Big Rectangle Pond	1436		2	78.2	2.7	36	0.85		
35	0.0619	0.5032	Big Rectangle Pond	1438		2	83.5	5.3	21	0.94		
	0.1833	0.1833			14		50.4				2.98	0.28
41	0.2133	0.2133	Middle West Pond	1432		10	54.4	4.0	24	1.98		
42	0.0360	0.2493	Middle West Pond	1434		2	58.8	4.4	24	0.46		
43	0.0313	0.2806	Middle West Pond	1436		2	62.4	3.6	29	0.53		
	0.0299	0.0299			8		20.4				0.36	0.08
51	0.0334	0.0334	Middle Middle Pond	1432		4	21.5	1.2	17	0.13		
52	0.0230	0.0564	Middle Middle Pond	1434		2	28.0	6.4	17	0.09		
53	0.0267	0.0831	Middle Middle Pond	1436		2	33.9	6.0	18	0.14		
	0.0377	0.0377			10		22.9				1.42	0.39
61	0.0384	0.0384	Middle East Pond	1430		2	23.1	0.2	6	0.08		
62	0.0898	0.1282	Middle East Pond	1432		2	42.2	19.1	6	0.17		
63	0.0246	0.1528	Middle East Pond	1434		2	46.0	3.9	27	0.28		
64	0.0240	0.1768	Middle East Pond	1436		2	49.5	3.5	30	0.33		
65	0.2176	0.3944	Middle East Pond	1438		2	73.9	24.4	5	0.57		
	0.0117	0.0117			8		12.7				0.16	0.04
71	0.0143	0.0143	SW Pond East	1462		4	14.1	1.3	20	0.05		
72	0.0132	0.0275	SW Pond East	1464		2	19.5	5.4	20	0.04		
73	0.0152	0.0427	SW Pond East	1466		2	24.3	4.8	23	0.07		
	0.1735	0.1735			8		49.1				2.09	0.38
81	0.1760	0.1760	SW Pond West	1460		2	49.4	0.3	10	0.35		
82	0.0927	0.2687	SW Pond West	1462		2	61.0	11.6	10	0.44		
83	0.1105	0.3792	SW Pond West	1466		4	72.5	11.5	19	1.30		
	0.4699	0.4699			10		80.7				21.40	3.96
91	0.4707	0.4707	Pond Full Extent	1438		2	80.8	0.1	2	0.94		
92	1.6080	1.6080	Pond Full Extent	1440		2	149.3	68.5	2	2.08		
93	2.9339	2.9339	Pond Full Extent	1442		2	201.7	52.4	2	4.54		
94	3.4722	3.4722	Pond Full Extent	1444		2	219.4	17.7	6	6.41		
95	3.9647	3.9647	Pond Full Extent	1446		2	234.5	15.0	8	7.44		
											45	4.5

Source: 2-ft contours (4) from Jackson County GIS website.

Notes: Dinosaur North, SW Pond East and SW Pond West NOT included in Pond Full Extent.

(1), (2) Areas are incremental areas between contours except for Pond Full Extent, which are total areas for each contour.

Area of cell floor [first reading for each cell in (1)] assumes same bank slope of lowest two contours. Slope calculations [(7) through (9)] simplified using area of circle = pi * r-squared.

(5) Max Depth provided by mining permit holder.

(6) Based on (4) and (5).

(10), (11) Volume calculations based on average surface area between successive contours (3) times depth between successive contours (6).

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