

EMERGENCY DROUGHT APPLICATION: GROUNDWATER REVIEW

TO: Water Rights Section Date 6/26/2026
FROM: Groundwater Section Grayson Fish
SUBJECT: Application G- 19539
Reviewer's Name

DROUGHT MITIGATION; GROUNDWATER

This review is based on authorities laid out in OAR 690-019 Drought Mitigation rules. This is an expedited review to evaluate an emergency request for groundwater use for one season under a Governor's drought declaration. Notwithstanding groundwater availability (OAR 690-300 and -310) and State Scenic Waterway considerations, the Department may issue a drought permit for short-term emergency use provided that there is no injury and that the use is within the public interest as per OAR 690-019-0040(3). **This review is based upon available information and agency policies in place at the time of evaluation.**

A. GENERAL INFORMATION: Applicant's Name: Self Made Farms, LLC County: Jackson

A1. Applicant(s) seek(s) 0.0113 cfs from 1 well(s) in the Rogue Basin,
subbasin

A2. Proposed use Supplemental Irrigation (2 acres) Seasonality: May 1, 2026 – October 31, 2026

A3. Well and aquifer data (**attach and number logs for existing wells; mark proposed wells as such under logid**):

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Latitude	Longitude
1	JACK 30005	1	Bedrock	0.0113	39S/4W-7 NW-SW	42.19110400	-123.22731800

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	1992	56	19	4/11/1990	143	0 - 37	+2 - 38	5 - 143	64 - 143	48	--	Air

Use data from application for proposed wells.

A4. **Comments:** The applicant request 0.0113 cfs (5.1 gpm) for supplemental irrigation of 2 acres. The groundwater drought permit applied for is supplemental to surface water rights 42876, 55898, 93252, 93254, T-3265.

B. GROUNDWATER/SURFACE WATER CONSIDERATIONS:

B1. Is there information that this drought groundwater use will **injure senior spring or surface water rights** during the duration of the drought declaration?

(☐Yes) (☒No) If yes, explain: The applicant's well accesses an aquifer hosted in the secondary fractures and joints of the metasedimentary and meta volcanic rocks of the Applegate Group. The target aquifer is likely hydraulically connected to Thompson Creek. The proposed use would likely result in some degree of depletion of water flowing in or towards this stream. However, there is either insufficient information available to determine that the proposed use will injure surface water rights during the duration of the drought declaration or the likelihood of injury is deemed acceptable considering the need for water because of the drought emergency and the short-term nature of the proposed emergency use as per OAR 690-019.

B2. Is there information that this drought groundwater use will **injure senior groundwater rights** during the duration of the drought declaration?

(☐Yes) (☒No) If yes, explain: The adjacent tax lots are likely supplied by exempt-use wells, which may be impacted by well-to-well interference from the applicant's well. However, considering the low requested rate (0.0113 cfs) and volume of water, the proposed groundwater use is not likely to result in interference to adjacent groundwater users that would meet the definition of injury. Despite this, the magnitude of well-to-well interference is difficult to predict in fractured rock aquifers. The permit conditions listed in section B8 of this review form are intended to protect senior water right holders if acute well-to-well interference does occur due to use under this proposed use.

- B3. Has the requested groundwater reservoir or part thereof **Declined Excessively**?
(☐Yes) (☒No) If yes, explain: There are no observation wells located within the Thompson Creek Valley where the applicant's well is located. However, observation wells located to the west within the Williams Creek Valley indicate that aquifer levels are predominately stable and do not show signs of excessive decline.
- B4. Groundwater levels **do NOT meet the definition of Reasonably Stable Groundwater Levels** (including insufficient data):
(☐ Yes) (☒ No) If yes, explain: The are no groundwater observation wells located within the Thompson Creek Valley where the applicant's well is located. Of the 7 identified wells with groundwater level data in the Williams Creek Valley, only JOSE 60782 located ~ 2.5 miles northwest of the applicant's well has sufficient data to determine that groundwater levels are Reasonably Stable. For the purpose of this drought emergency groundwater review, groundwater levels are considered to meet the definition of Reasonable Stable.
- B5. Will the total requested rate of groundwater allocation **exceed what is obtainable by the expected yield of the well(s)** proposed in the application given best available information?
(☐Yes) (☒No) If yes, explain: The well report for JACK 30005 notes a well yield of 48 gpm, exceeding the requested rate of 5.1 gpm.
- B6. There is the **Potential for Substantial Interference** with surface water (if yes, list nearest or likely most-impacted stream)
(☐ Yes) (☒ No) If yes, explain: Groundwater near the applicant's POA is likely hydraulically connected to Thompson Creek located approximately 2,400 feet to the east. However, given depth of the fractures accessed and the low transmissivity of the fractured rock aquifer there is not a preponderance of evidence to suggest that groundwater pumping from this well would result in stream depletion during the duration of this emergency drought permit.
- B7. There is a preponderance of evidence that the proposed use will **measurably reduce** the surface water flows necessary to maintain the free-flowing character of a **State Scenic Waterway**.
(☒ Yes) (☐ No) If yes, explain: The OWRD Water Availability Reporting System (WARS) has determined that groundwater use has already measurably reduced the surface flows necessary for the Rogue Scenic Waterway from the Applegate River to Lobster Creek as per ORS 390.835. The groundwater use proposed here would further reduce surface water flow to this Scenic Waterway.
- B8. **Proposed Permit Conditions:** *If a permit is issued, include:*
- Condition 7B** (Interference Condition): Drought permits are junior to existing water rights and are subject to regulation
- Condition 7P** (Well Tag): If there is no existing OWRD Well ID Tag on the well, one shall be attached
- Large Water Use Reporting Condition:** totalizing flowmeter and reporting required. Include condition that "the readings must be reported to the Department by December 31, 2026."
- Special Condition - Regulation:** "Groundwater pumping under this permit shall discontinue or be reduced if area wells with permanent primary and/or supplemental groundwater rights are being regulated off due to groundwater level decline or interference with senior water rights unless the Department determines no action is necessary (pumping under this permit can continue) because the groundwater resource can sustain continued groundwater pumping without causing substantial interference with senior water rights."
- Special Condition – Static Water Level Measurement Access:** The permittee shall allow Department staff, upon reasonable notice, to access the permitted well(s) during the period of use to take static water level measurements to monitor the impact of use on the resource. To ensure accurate measurements, the permittee may be required to stop use of the well for up to 24 hours before a water level measurement.

B9.

References Used:

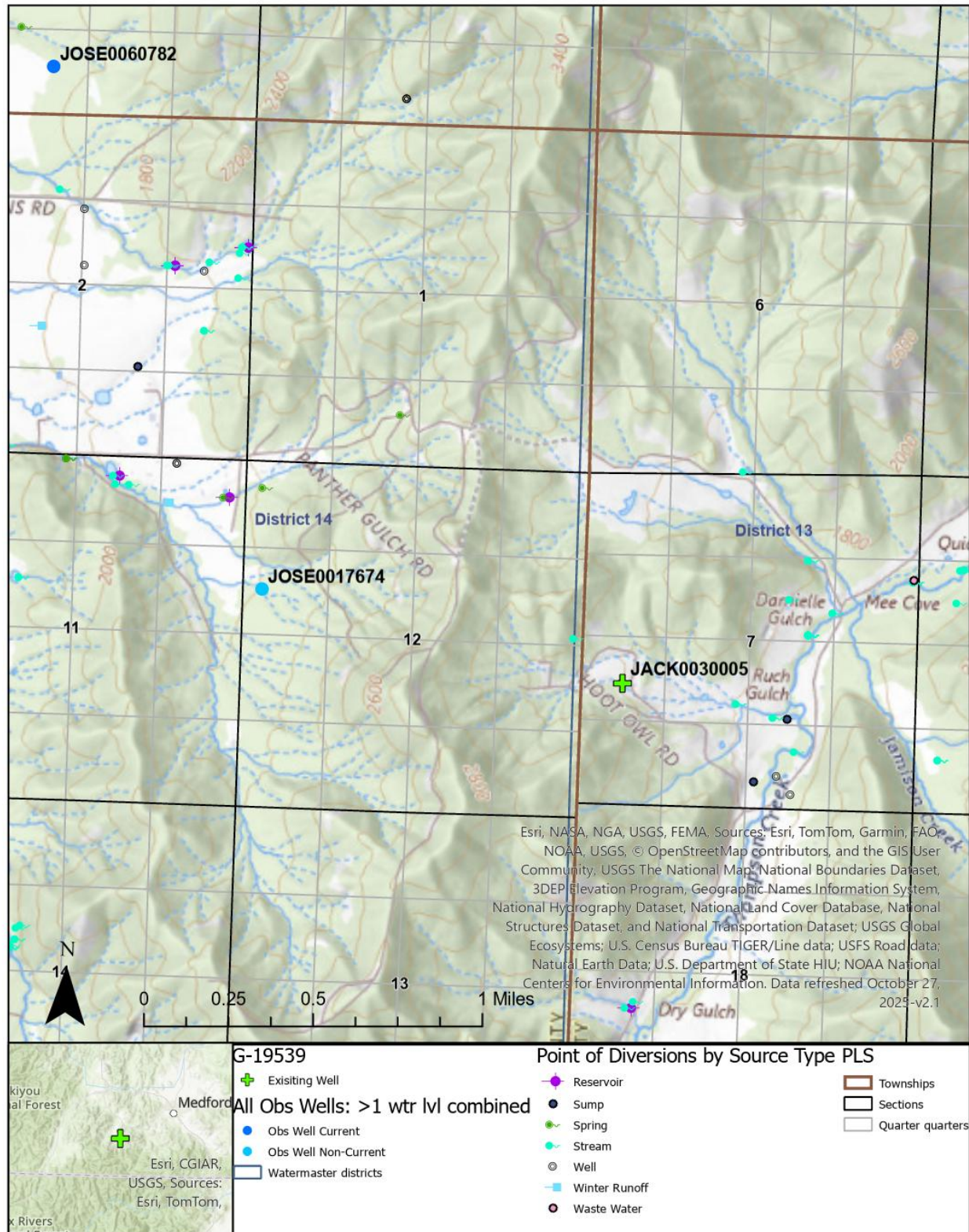
OWRD Groundwater Information System (GWIS) Database – Accessed 6/26/2026

OWRD Water Availability Reporting System (WARS) – Accessed 6/26/2026

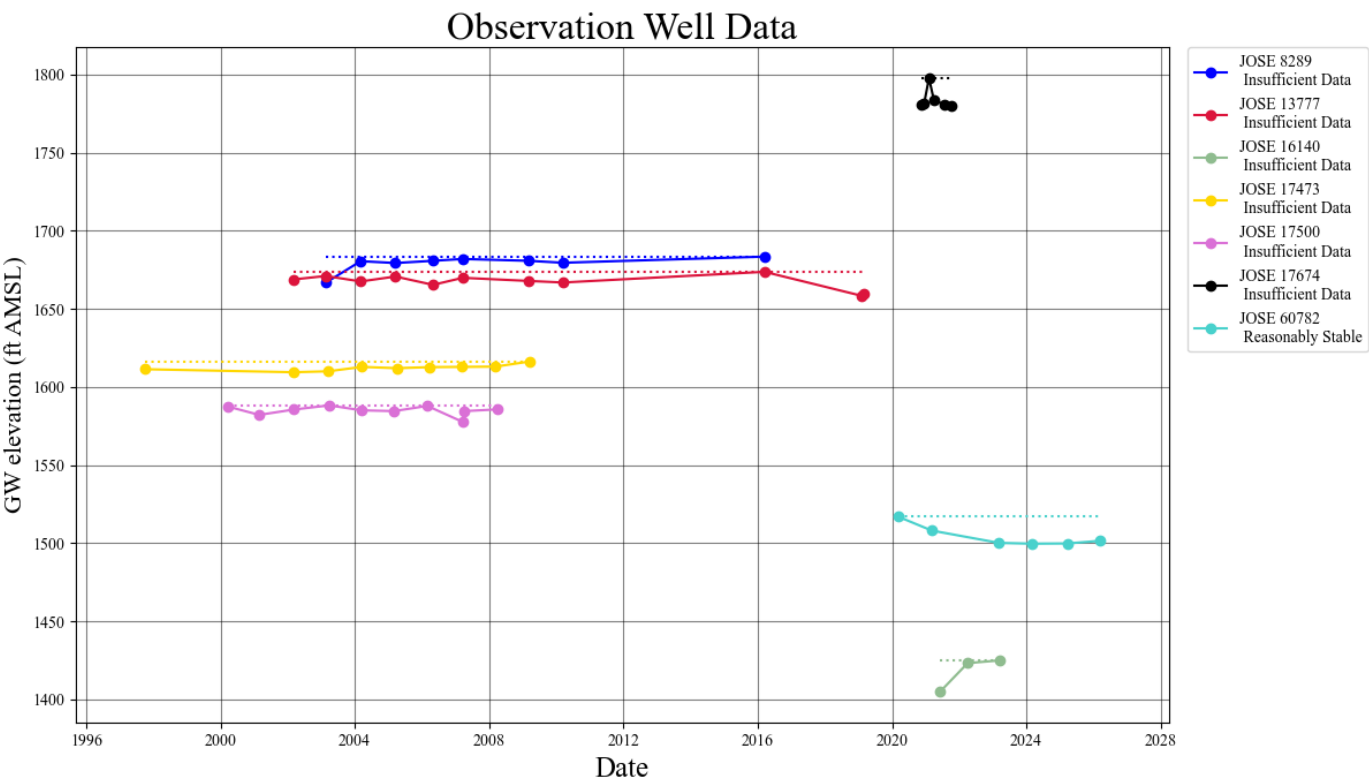
OWRD Water Rights Information System (WRIS) Database – Accessed 6/26/2026

Smith, J.G., Page, N.J., Johnson, M.G., Moring, B.C., and Gray, F., 1982, Preliminary geologic map of the Medford 1 by 2-degree quadrangle, Oregon and California; Reston, Va., U.S. Geological Survey Open-File Report 82-955, scale 1:250,000.

G-19539 - 2026 Jackson County Drought



Water-Level Measurements in Nearby Wells



Well Report

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

APR 16 1990
JACK 30005
WATER RESOURCES DEPT.
ALEXANDERSON

30005 39S/4W/7
JACK 3005
(START CARD) # 17584

(1) OWNER: Well Number: _____
Name BOB ANGELINI
Address 6000 THOMPSON CR RD
City APPLEGATE State OR Zip 97130

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other _____

(4) PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☒ Depth of Completed Well 143 ft.
Explosives used Yes ☐ No ☒ Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
10	0	38	CEMENT	0	37	9 SACKS
6	38	143				30# BENT

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6	+2	38	250	☒	☐	☒	☐
Liner: 4	-5	143	216	☐	☒	☒	☐

Final location of shoe(s) 38 FT

(7) PERFORATIONS/SCREENS:
☒ Perforations Method SAW
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
64	143	4-6	156	1/8		☐	☒

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
48		143	1 hr.

Temperature of water _____ Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County JACKSON Latitude _____ Longitude _____
Township 39S N or S, Range 4W E or W, WM.
Section 7 _____ 1/4 _____ 1/4
Tax Lot 900 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address)
6000 THOMPSON CR RD

(10) STATIC WATER LEVEL:
19 ft. below land surface. Date 4-11-90
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 56

From	To	Estimated Flow Rate	SWL
56	56	1	
79	79	7	
87	87	5	
98	98	27	

(12) WELL LOG: 114-123 Ground elevation 8

Material	From	To	SWL
SOIL BROWN	0	1	
BASALT GREEN BROKEN	1		
WITH BROWN CLAY		13	
CLAY BROWN WITH SMALL	13		
ANGULAR PEBBLES		17	
BASALT GREEN BROKEN	17		
WITH BROWN SILT		32	
BASALT GREEN WEATHERED	32		
SILTY CREVICE AT 56		66	
BASALT GREEN	66		
CREVICE AT 79			
WEATHERED AT 87			
CREVICE AT 98		114	
BASALT BLACK BROKEN	114	143	

Date started 4-9-90 Completed 4-11-90

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief. PIONEER DRILLING WWC Number 796
Signed [Signature] Date 4-11-90

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

SECOND COPY - CONSTRUCTOR

THIRD COPY - CUSTOMER

WB69C 3/88

JACK 30005

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

Application for Well ID Number

RECEIVED

JUL 1 2022

Do not complete if the well already has a Well Identification Number.

I. OWNER INFORMATION

OWRD

Current Owner Name (please print): G. Robert and Diana G. Angelini

Mailing Address: 6000 Thompson Creek Road

City, State, Zip: Applegate, OR 97530

Mail Well ID to: ☒ SAME AS ABOVE ☐ In Care Of (C/O)

Name & Address: _____

City, State, Zip: _____

II. WELL LOCATION INFORMATION (Please fill out as completely as possible)

Township: 39 South (North / South) Range: 4 West (East / West) Section: 7 NW 1/4 of the SW 1/4

Tax Lot (usually last 3-5 numbers of Tax Map #): 900 County Jackson

GPS Coordinates: Lat 42d 11' 27.7" Long 123d 13' 39.2"

Street Address of Well, City: 6000 Thompson Creek Road, Applegate, OR 97530

If the property had a different street address in the past: none

III. GENERAL WELL INFORMATION (Please fill out as completely as possible, AND attach copy of Well Report, if available)

Use of Well (domestic, irrigation, commercial, industrial, monitoring): Domestic, proposed emergency drought Irr.

Date Well Constructed (or property built): 4/11/1990 Total Well Depth: 143' Casing Diameter: 6"

Owner at time the well was constructed (if known): Angelini Well Report # (if known): Jack 30005

Other Information: _____

SUBMITTED BY (please print): Harold L. Center, PLS, CWRE

PHONE: 541-535-6108 EMAIL &/or FAX: center1071@gmail.com

To send the completed application, you may MAIL it to: Oregon Water Resources Dept. 725 Summer St NE, Suite A, Salem, Oregon 97301.
Or EMAIL the completed PDF form to: Ladeena.K.Ashley@water.oregon.gov, or FAX it to: (503) 986-0902.

For Official Use Only by the Oregon Water Resources Department:

Received Date:

7-1-22

Well Report Number:

JACK 30005

Well Identification #:

L-146938