

TO: Water Rights Section August 23, 2002
FROM: Groundwater/Hydrology Section Michael Zwart
SUBJECT: Application G- 15795 Reviewer's Name

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE _____ Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
- a. ___ will, or _____ have the potential for substantial interference with the nearest
 - b. ___ will not _____ surface water source, namely _____; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) 7 B / 25
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
 - d. ___ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
- a. ___ will, or _____ likely be available in the amounts requested without injury to prior rights
 - b. ___ will not _____ and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7 B;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
- 4.
- a. ___ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
 - b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
 - c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
 - d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Ground Water files Date: August 23, 2002

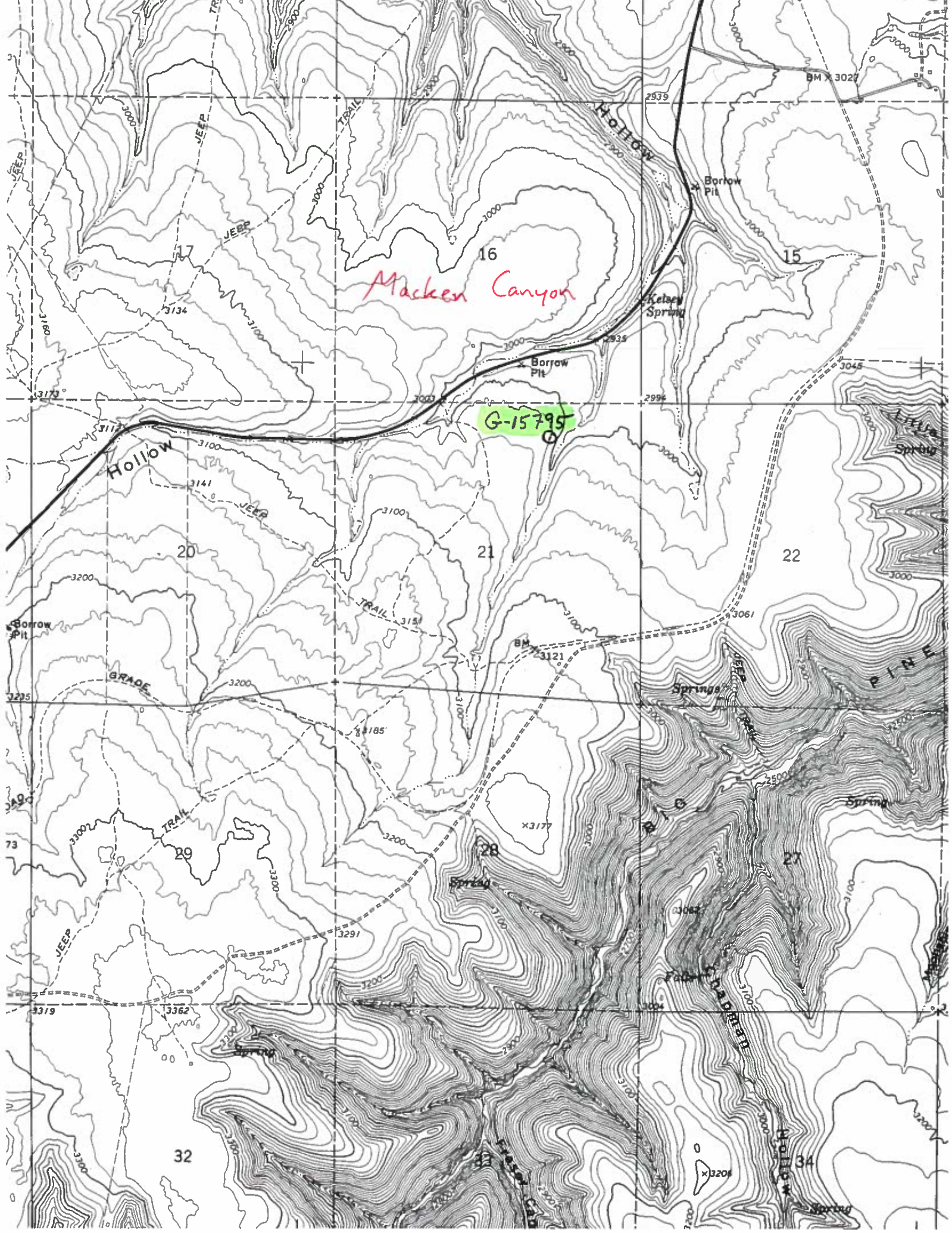
From: Michael J. Zwart

Subject: Application Review: G-15795, Fred Justesen

This application proposes to use about 200 gpm from one well for filling and maintenance of reservoirs. The well (WASC 003780 (actually in Sherman County)) is 185 feet deep and produces water from a confined to semiconfined aquifer developed in basalt rocks of the Columbia River Basalt Group.

The well is about 300 feet from an unnamed intermittent tributary of Buck Hollow and about 1500 feet from Buck Hollow itself. The aquifer penetrated is not likely in hydraulic connection with the nearby reaches of these surface water sources. There is no potential for substantial interference with surface water sources, based on the confined to semiconfined nature of the aquifer.

I recommend permit conditions 7B and 7J.



Macken Canyon

G-15795

16

15

20

21

22

29

28

27

32

34

Hollow

Hollow

GRADE

TRAIL

TRAIL

Springs

Spring

Fallen Pine Hollow

Hollow

Spring

3208

3177

3121

3185

3291

3362

3134

3117

3141

3003

2939

2935

2996

3000

3000

3000

3000

3000

3000

3000

3000

3000

3000

BM X 3027

Borrow Pit

Borrow Pit

Ketany Spring

Little Spring

Borrow Pit

73

3319

3000

Macken

690-505-0400

Ground Water Classification

(1) Ground water in the Deschutes Basin is classified for any beneficial use.

Stat. Auth.: ORS 536.027; 536.220; 536.300; 536.340

Hist.: WRD 9-2002, f. & cert. ef. 9-27-02

690-505-0500

Ground Water Appropriations within the Deschutes Ground Water Study Area

(1) Except for a cumulative total of 200 cubic feet per second (cfs) maximum rate for final orders approving ground water permit applications issued after the effective date of these rules, ground water in the Deschutes Ground Water Study Area is closed to further appropriation.

(2) Prior to January 1, 2008, or upon reaching 150 cfs of the 200 cfs in section (1), whichever comes first, and on subsequent five year intervals, the Commission shall evaluate the Deschutes Basin Ground Water Mitigation Rules and associated mitigation to determine whether the restriction in section (1) shall be lifted or otherwise modified through subsequent public rulemaking. The Commission shall specifically evaluate the effectiveness of mitigation projects and mitigation credits that involve time-limited instream transfers, instream leases and allocations of conserved water from canal lining and piping projects. The Commission shall also evaluate the general zones of impact identified by the Department.

(3) The Department shall, in cooperation with the Oregon Department of Fish and Wildlife, Oregon State Parks and Recreation Department, Oregon Department of Environmental Quality and Division of State Lands, annually evaluate and report on the implementation of these rules. The annual evaluation and report shall include information on new ground water appropriations, streamflow monitoring, and mitigation activity in order to determine whether scenic waterway flows and instream water right flows in the Deschutes Basin continue to be met on at least an equivalent or more frequent basis as compared to long-term, representative base period flows established by the Department.

(4) The restriction in section (1) shall not be lifted unless the Commission determines that scenic waterway flows and instream water right flows in the Deschutes Basin continue to be met on at least an equivalent or more frequent basis as compared to long-term, representative base period flows established by the Department.

(5) If the Commission's evaluation under section (2) indicates that, due to new ground water appropriations, scenic waterway flows and instream water right flows in the Deschutes Basin are met less frequently as compared to long-term, representative base period flows, the Commission shall initiate proceedings to designate all or portions of the Deschutes Ground Water Study Area a critical ground water area(s) under ORS 537.730, immediately close certain areas of the Deschutes Basin to further ground water appropriations, or take other administrative action(s) to ensure scenic waterway flows and instream water right flows in the Deschutes Basin continue to be met on at least an equivalent or more frequent basis as compared to long-term, representative base period flows.

Stat. Auth.: ORS 536.027 and 390.835

Hist.: WRD 9-2002, f. & cert. ef. 9-27-02

Analysis for Application: G15795

Location: 6.00 S-17.00 E-21-sesw

Uses: PA 0.000 (P) , FI 0.000 (P) , PM 0.000 (P) , WI 0.000 (P) , RC 0.000 (P)

Basins

BASIN_NUM	BASIN_NAME
5	Deschutes

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CIT
3	NC	1882501	2941	Larry Toll	Courthouse Annex B, Rm 218, 421 E 7th ST	The

Records Found: 1

WAB

BASIN	WID	LINK1	LINK2
5	71795	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 1

County

COUNTY	FIPS
Wasco	41065

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 6.00 S-17.00 E-21-nsw

Uses: PA 0.000 (P) , FI 0.000 (P) , PM 0.000 (P) , WI 0.000 (P) , RC 0.000 (P)

Basins

BASIN_NUM	BASIN_NAME
5	Deschutes

Records Found: 1