| <u>PUBL</u>                              | <u>IC IN </u>                                  | <u>FERE</u>                                                       | <u>ST REV</u>                           | IEW FO                                    | <u>R GROL</u>                                                              | JND WA                                                 | TER AP                                                                      | PLICATIO                                     | <u>ONS</u>                                                                              |                                    |                                   |                  |
|------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------|-------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------|-----------------------------------|------------------|
| TO:                                      |                                                | Wate                                                              | r Rights S                              | lection                                   |                                                                            |                                                        |                                                                             | Dat                                          | e Decemb                                                                                | <u>er 6, 200</u>                   | )4                                |                  |
| FROM                                     | [:                                             | Grou                                                              | nd Water/                               | Hydrology                                 | Section _                                                                  |                                                        | ael Zwart                                                                   |                                              |                                                                                         |                                    |                                   |                  |
| SUBJE                                    | ECT:                                           | Appli                                                             | ication G-                              | 16334                                     |                                                                            |                                                        |                                                                             | view of                                      | N/A                                                                                     | Date of Re                         | vicw(s)                           |                  |
| OAR 6<br>welfare<br>to deter<br>the pres | 90-310-1<br>, safety a<br>mine who<br>sumption | <b>30 (1)</b> <i>I</i><br><i>nd heal</i><br>ether the<br>criteria | The Depart<br>th as descr<br>e presumpt | ibed in OR<br>ion is estab<br>ew is based | <i>presume th</i><br>S <i>537.525</i> .<br>lished. OA<br><b>l upon ava</b> | at a propos<br>Departmen<br>R 690-310-<br>ilable infor | <i>sed groundw</i><br>t staff review<br>140 allows t<br>r <b>mation and</b> | v ground wat<br>he proposed<br>I agency poli | ensure the pres<br>er applications<br>use be modified<br>icies in place at<br>Wasson Co | under OA<br>or condi<br>t the time | R 690-31<br>tioned to<br>of evalu | 0-140<br>meet    |
| AI.                                      |                                                |                                                                   |                                         |                                           |                                                                            |                                                        |                                                                             |                                              |                                                                                         |                                    |                                   | _Basin,          |
|                                          | ]                                              | <u>Eightm</u>                                                     | <u>ile Creek</u>                        |                                           |                                                                            | subb                                                   | oasin Qu                                                                    | ad Map: <u>D</u>                             | ufur West                                                                               |                                    |                                   |                  |
| A2.<br>A3.                               | Propose<br>Well an                             | ed use:<br>d aquif                                                | Irr<br>er data (at                      | igation, 10<br>tach and m                 | .7 acres<br>umber logs                                                     | Sea:                                                   | sonality:<br>ng wells; ma                                                   | March 1 to<br>rk proposed                    | o October 31<br>wells as such                                                           | under log                          | ;id):                             |                  |
| Well                                     | Log                                            | id                                                                | Applican<br>Well #                      |                                           | roposed<br>quifer*                                                         | Propos<br>Rate(c                                       |                                                                             | Location<br>/R-S QQ-Q)                       | Location<br>2250' 1                                                                     | n, metes a<br>N, 1200' E           | and boun<br>fr NW cor             | ds, e.g.<br>s 36 |
| 1<br>2                                   | WASC                                           | 3413                                                              | 1                                       |                                           | CRB                                                                        | 0.13                                                   |                                                                             | 3E-15 NW-S                                   |                                                                                         | N, 990' E                          |                                   |                  |
| 3                                        |                                                |                                                                   |                                         |                                           |                                                                            |                                                        |                                                                             |                                              |                                                                                         | -                                  | -                                 |                  |
| 4                                        |                                                |                                                                   |                                         |                                           |                                                                            |                                                        |                                                                             |                                              |                                                                                         |                                    |                                   |                  |
| 5                                        | CDD                                            | D 1                                                               |                                         |                                           |                                                                            |                                                        |                                                                             |                                              |                                                                                         |                                    | _                                 |                  |
| * Alluvi                                 | um, CRB,                                       | Bedrock                                                           | ¢                                       |                                           |                                                                            |                                                        |                                                                             |                                              |                                                                                         |                                    |                                   |                  |
| Well                                     | Well<br>Elev<br>ft msl                         | First<br>Water<br>ft bls                                          | f SWL                                   | SWL<br>Date                               | Well<br>Depth<br>(ft)                                                      | Seal<br>Interval<br>(ft)                               | Casing<br>Intervals<br>(ft)                                                 | Liner<br>Intervals<br>(ft)                   | Perforations<br>Or Screens<br>(ft)                                                      | Well<br>Yield<br>(gpm)             | Draw<br>Down<br>(ft)              | Test<br>Type     |
| 1                                        | 1030                                           | 56?                                                               | 44                                      | 8/3/68                                    | 299                                                                        | 0-42                                                   | 0-42                                                                        | None                                         | None                                                                                    | 215                                | ?                                 | Air              |
|                                          |                                                |                                                                   |                                         |                                           |                                                                            |                                                        |                                                                             |                                              |                                                                                         | -                                  |                                   |                  |
|                                          |                                                |                                                                   |                                         |                                           |                                                                            |                                                        |                                                                             |                                              |                                                                                         |                                    |                                   |                  |
|                                          |                                                |                                                                   | _                                       | _                                         |                                                                            |                                                        |                                                                             |                                              |                                                                                         |                                    |                                   |                  |
| Use data                                 | from app                                       | lication                                                          | for propose                             | l<br>d wells.                             |                                                                            |                                                        |                                                                             |                                              |                                                                                         |                                    |                                   | =                |
| A4.                                      |                                                |                                                                   |                                         |                                           | 8 <b>7:</b> I am a                                                         | ssuming to                                             | p of basalt (                                                               | @ 56 ft                                      |                                                                                         |                                    |                                   |                  |
|                                          |                                                |                                                                   |                                         |                                           | 2, 2 0000 00                                                               |                                                        |                                                                             | * * * * - ***                                |                                                                                         |                                    |                                   |                  |

A5. A Provisions of the Hood

Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water 🔲 are, or 🔀 are not, activated by this application. (Not all basin rules contain such provisions.) Comments: \_\_\_\_

A6. Well(s) #

, \_\_\_\_\_, tap(s) an aquifer limited by an administrative restriction. . Name of administrative area: Comments:

app # G-16334

\_\_\_\_\_ continued

## B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

- B1. Based upon available data, I have determined that ground water\* for the proposed use:
  - a. is over appropriated, is not over appropriated, or annot be determined to be over appropriated during any period of the proposed use. \* This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130;
  - b. **will not** *or* **will** likely be available in the amounts requested without injury to prior water rights. \* This finding is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;
  - c. **will not** or **will** likely to be available within the capacity of the ground water resource; or
  - d. will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource:
    i. The permit should contain condition #(s) <u>7E</u>
    - ii. The permit should be conditioned as indicated in item 2 below.
    - iii. The permit should contain special condition(s) as indicated in item 3 below;
- B2. a. Condition to allow ground water production from no deeper than \_\_\_\_\_\_ ft. below land surface;
  - b. Condition to allow ground water production from no shallower than \_\_\_\_\_\_ ft. below land surface;
  - c. Condition to allow ground water production only from the \_\_\_\_\_ ground water reservoir between approximately\_\_\_\_\_ ft. and \_\_\_\_\_ ft. below land surface;
  - d. Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.

**Describe injury** -as related to water availability- that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc):

B3. Ground water availability remarks: <u>Potential for water-level declines and overdraft of the resource exists virtually</u> <u>everywhere the Columbia River Basalt aquifers are developed. If no measurement/decline condition is used, as</u> <u>recommended above, then I would need to re-review the file, with the likely result being that one or both of the boxes</u> <u>'will not likely be available...' being checked under B1b or B1c.</u>

### C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. 690-09-040 (1): Evaluation of aquifer confinement:

| Well | Aquifer or Proposed Aquifer               | Confined | Unconfined |
|------|-------------------------------------------|----------|------------|
| 1    | Basalt of the Columbia River Basalt Group |          |            |
|      |                                           |          |            |
|      |                                           |          |            |
|      |                                           |          |            |
|      |                                           |          |            |

Basis for aquifer confinement evaluation: <u>This aquifer is typically confined in this area. At this well, the SWL is not</u> significantly higher than the depth of the shallowest water-bearing zone. Therefore, this aquifer may locally be only be semiconfined.

C2. **690-09-040 (2) (3):** Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

| Well | SW<br># | Surface Water Name | GW<br>Elev<br>ft msl | SW<br>Elev<br>ft msl | Distance<br>(ft) | Hydraulically<br>Connected?<br>YES NO ASSUMED | er.<br>10 |
|------|---------|--------------------|----------------------|----------------------|------------------|-----------------------------------------------|-----------|
| 1    | 1       | Eightmile Creek    | 986                  | 1018                 | 225              |                                               | X         |
|      |         |                    |                      |                      |                  |                                               |           |
|      |         |                    |                      |                      |                  |                                               | רב        |
|      |         |                    |                      |                      |                  |                                               |           |
|      |         |                    |                      |                      |                  |                                               |           |
| _    |         |                    |                      |                      |                  |                                               |           |
|      |         | Sec. 1.            |                      |                      |                  |                                               | ]         |
|      |         |                    |                      |                      |                  |                                               | T         |

Basis for aquifer hydraulic connection evaluation: <u>Locally, both the head in the well and the depth to the water-bearing</u> zone are below the level of Eightmile Creek. Hydraulic connection is very likely at some downstream reach, but the distance is uncertain where this is occurs.

Water Availability Basin the well(s) are located within: <u>Eightmile Cr > Fifteen Mile Cr ab unnamed St (70252).</u>

C3a. **690-09-040** (4): Evaluation of stream impacts for <u>each well</u> that has been determined or assumed to be **hydraulically** connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% *natural* flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked 🛛 box indicates the well is assumed to have the potential to cause PSI.

| Well | sw<br># | Well <<br>¼ mile? | Qw ><br>5 cfs? | Instream<br>Water<br>Right<br>ID | Instream<br>Water<br>Right Q<br>(cfs) | Qw><br>1%<br>ISWR? | 80%<br>Natural<br>Flow<br>(cfs) | Qw > 1%<br>of 80%<br>Natural<br>Flow? | Interference<br>@ 30 days<br>(%) | Potential<br>for Subst.<br>Interfer.<br>Assumed? |
|------|---------|-------------------|----------------|----------------------------------|---------------------------------------|--------------------|---------------------------------|---------------------------------------|----------------------------------|--------------------------------------------------|
|      | ŀ       |                   |                |                                  |                                       |                    |                                 |                                       |                                  |                                                  |
|      |         |                   |                |                                  |                                       |                    |                                 |                                       |                                  |                                                  |
|      |         |                   |                |                                  |                                       |                    |                                 |                                       |                                  |                                                  |
|      |         |                   |                |                                  |                                       |                    |                                 |                                       |                                  |                                                  |
|      |         |                   |                |                                  |                                       |                    |                                 |                                       | =                                |                                                  |
|      |         |                   |                |                                  |                                       |                    |                                 |                                       |                                  |                                                  |
|      |         |                   |                |                                  |                                       |                    |                                 |                                       |                                  |                                                  |

C3b. 690-09-040 (4): Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

| SW<br>#   |                                               | Qw ><br>5 cfs? | Instream<br>Water<br>Right<br>ID | Instream<br>Water<br>Right Q<br>(cfs) | Qw ><br>1%<br>ISWR? | 80%<br>Natural<br>Flow<br>(cfs) | Qw > 1%<br>of 80%<br>Natural<br>Flow? | Interference<br>@ 30 days<br>(%) | Potential<br>for Subst.<br>Interfer.<br>Assumed? |  |
|-----------|-----------------------------------------------|----------------|----------------------------------|---------------------------------------|---------------------|---------------------------------|---------------------------------------|----------------------------------|--------------------------------------------------|--|
|           | _                                             |                |                                  |                                       |                     |                                 |                                       |                                  |                                                  |  |
|           |                                               |                |                                  |                                       |                     |                                 |                                       |                                  |                                                  |  |
|           |                                               |                |                                  |                                       |                     |                                 |                                       |                                  |                                                  |  |
|           |                                               |                |                                  |                                       |                     |                                 |                                       |                                  |                                                  |  |
| Comments: | Comments: <u>This section does not apply.</u> |                |                                  |                                       |                     |                                 |                                       |                                  |                                                  |  |

C4a. **690-09-040 (5):** Estimated impacts on hydraulically connected surface water sources greater than one mile as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

| Well                         | istributed<br>SW# | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |
|------------------------------|-------------------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| _                            |                   | %   | %   | %   | %   | %   | %    | %   | - % | %   | %   | - % | %   |
| Well Q :                     | as CFS            |     |     |     | _   |     |      |     |     |     |     |     |     |
|                              | ence CFS          |     |     |     |     |     |      |     |     |     | -   |     |     |
|                              |                   |     |     |     |     |     | _    |     |     |     |     | -   |     |
|                              | uted Well         |     |     |     |     |     |      |     |     | _   | -   |     | _   |
| Well                         | SW#               | Jan | Feb | Mar | Apr | May | Jun  | Jul | Aug | Sep | Oct | Nov | Dec |
|                              |                   | %   | %   | %   | %   | %   | %    | %   | %   | %   | %   | %   | %   |
| Well Q                       |                   |     |     |     |     |     |      |     |     |     |     |     |     |
| Interfere                    | ence CFS          |     |     |     |     |     |      |     |     |     |     |     |     |
|                              | -                 | %   | %   | %   | %   | %   | %    | %   | %   | %   | - % | %   | %   |
| Well Q                       | as CFS            |     | _   |     |     |     | 10 C |     |     |     |     |     |     |
| Interfere                    | ence CFS          |     |     |     |     |     |      |     |     | _   |     |     |     |
|                              |                   | %   | %   | %   | %   | %   | %    | %   | %   | %   | %   | %   | %   |
| Well Q                       | as CFS            |     |     |     |     |     |      |     |     |     |     |     |     |
|                              | ence CFS          |     |     |     |     |     |      |     |     |     |     |     |     |
| _                            |                   | %   | %   | %   | %   | %   | %    | %   |     | %   | %   | %   | %   |
| Well Q                       | as CES            |     |     |     |     |     |      |     |     |     |     |     |     |
|                              | ence CFS          |     |     |     |     |     |      |     |     |     |     |     |     |
| Interfere                    |                   | %   | %   | %   |     | %   | %    | %   | %   | %   | %   | %   | %   |
| Well Q a                     | as CES            | 70  | 70  | 70  | 70  | 70  | 710  | 70  | 70  | 70  | 70  |     | -70 |
|                              | ence CFS          |     |     |     |     |     |      |     |     |     |     |     |     |
|                              |                   | %   | %   | %   | %   | %   | %    | %   | %   | %   | %   | %   | %   |
| Well Q a                     | as CFS            |     |     |     |     |     |      |     |     |     |     |     |     |
|                              | ence CFS          |     |     |     |     |     | _    |     |     |     | _   |     |     |
| menere                       | ance Cro          |     |     |     |     |     |      |     |     |     |     |     |     |
| $(\mathbf{A}) = \mathbf{T}0$ | tal Interf.       |     |     |     |     |     | -    | _   |     |     |     |     |     |
|                              | % Nat. Q          |     |     |     |     |     |      |     |     |     |     |     |     |
|                              | % Nat. Q          |     |     |     |     |     |      | _   |     |     |     |     |     |

- (A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.
  - Basis for impact evaluation: \_\_\_\_\_\_ This section likely applies. However, the distance where hydraulic connection is likely to occur downstream on Eightmile Creek is not known with any certainty. It may range from about one mile to over two miles. Therefore, I believe that it is not appropriate to attempt calculation of interference on this basis.

|     | 15 SLAW 51 |        | 0.0000000000 |
|-----|------------|--------|--------------|
|     |            | W star |              |
|     |            |        |              |
|     |            |        |              |
|     |            |        |              |
| 13  |            |        |              |
|     |            |        | 1.10         |
|     |            |        |              |
| 200 |            |        | 100          |
|     |            |        | 3.235        |

- C4b. 690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water **Rights Section.**
- C5. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:
  - i. The permit should contain condition #(s)\_
  - ii. The permit should contain special condition(s) as indicated in "Remarks" below;

#### C6. SW / GW Remarks and Conditions

References Used: Local well logs; recent reviews, especially G-16026; Marc Norton, personal communication.

| D. <u>W</u> | LL CONSTRUCTION, OAR 690-200                                                                                                                                                                                                                                                                                                   |         |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| D1.         | Well #:      1      Logid:      WASC 3413                                                                                                                                                                                                                                                                                      | _       |
| D2.         | THE WELL does not meet current well construction standards based upon:      a.    review of the well log;      b.    field inspection by      c.    report of CWRE      d.    other: (specify)                                                                                                                                 | _;<br>; |
| D3.         | THE WELL construction deficiency:      a.    constitutes a health threat under Division 200 rules;      b.    commingles water from more than one ground water reservoir;      c.    permits the loss of artesian head;      d.    permits the de-watering of one or more ground water reservoirs;      e.    other: (specify) |         |
| D4.         | THE WELL construction deficiency is described as follows:                                                                                                                                                                                                                                                                      |         |
|             |                                                                                                                                                                                                                                                                                                                                | _       |
|             |                                                                                                                                                                                                                                                                                                                                | _       |
|             |                                                                                                                                                                                                                                                                                                                                | _       |
| D5.         | <b>THE WELL</b> a. uses, or uses was not constructed according to the standards in effect at the time of original construction or most recent modification.                                                                                                                                                                    |         |
|             | b. I don't know if it met standards at the time of construction.                                                                                                                                                                                                                                                               |         |
| D6. [       | <b>Route to the Enforcement Section.</b> I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.                                                                                               |         |
| THIS        | SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL                                                                                                                                                                                                                                                                               | -       |
| D7. Г       | Well construction deficiency has been corrected by the following actions:                                                                                                                                                                                                                                                      |         |
| _           |                                                                                                                                                                                                                                                                                                                                |         |
|             |                                                                                                                                                                                                                                                                                                                                |         |
|             |                                                                                                                                                                                                                                                                                                                                |         |
|             |                                                                                                                                                                                                                                                                                                                                |         |
|             |                                                                                                                                                                                                                                                                                                                                |         |
|             | ,200                                                                                                                                                                                                                                                                                                                           |         |
|             | (Enforcement Section Signature)                                                                                                                                                                                                                                                                                                |         |
| D8. [       | Route to Water Rights Section (attach well reconstruction logs to this page).                                                                                                                                                                                                                                                  |         |

Water Resources Department

December 6, 2004

**MEMO** 

TO

FROM

Application G- 16334

GW: Michael Zwart

SUBJECT Scenic Waterway Interference Evaluation

|   | Yes |
|---|-----|
| V | No  |

The source of appropriation is within or above a Scenic Waterway



# PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)



At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

FLOW REDUCTION: (To be filled out only if <u>Preponderance of Evidence</u> box is not checked)

Exercise of this permit is calculated to reduce monthly flows in \_\_\_\_ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

| Jan | Feb | Mar | Apr | Мау | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L   |     |     |     |     |     |     |     |     |     |     |     |

Dufur West





| ABANDON:        | 0     |                                         |
|-----------------|-------|-----------------------------------------|
| RECONDITIONED:  | 1     |                                         |
| REPAIRED:       | 0     |                                         |
| CONVERSION:     | 0     |                                         |
| DEEPENINGS:     | 0     |                                         |
| NEW CONSTRUCT:  | 6     |                                         |
|                 |       |                                         |
| COMMUNITY USE:  | 0     |                                         |
| DOMESTIC USE:   | 6     |                                         |
| INDUSTRIAL USE: | 0     |                                         |
| INJECTION USE:  | 0     |                                         |
| IRRIGATION USE: | 1     |                                         |
| THERMAL USE:    | 0     |                                         |
| LIVESTOCK USE:  | 0     |                                         |
| * * * * * * * * | ***** | ********                                |
| * * * * * * * * | ***** | * * * * * * * * * * * * * * * * * * * * |

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 16334

| \$RECNO | APE | PLICATION | PEI     | RMIT   | CLAIM   |     | LOC-QQ            | USE_CODE |
|---------|-----|-----------|---------|--------|---------|-----|-------------------|----------|
| 1       | G   | 10452     | G       | 9527   |         | 0   | 1.00S13.00E11SWSW | IS       |
| 1       | S   | 61908     | S       | 46303  |         | 0   | 1.00S13.00E11SWSW | IR       |
| 2       | G   | 5782      | G       | 5554   |         | 0   | 1.00S13.00E15NWSW | IS       |
| 2       | G   | 16334     |         | 0      |         | 0   | 1.00S13.00E15NWSW | IR       |
|         | **  | ******    | * * * ' | ****** | ******* | *** | ******            |          |

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 16334

| \$RECNO                                 | APP | LICATION | PE | RMIT  | LOC-QQ            | CONDITION-CODE |  |  |
|-----------------------------------------|-----|----------|----|-------|-------------------|----------------|--|--|
| 1                                       | G   | 11483    | G  | 10615 | 1.00S13.00E32SESE |                |  |  |
| 1                                       | G   | 12273    | G  | 11691 | 1.00S13.00E32SESE | 4GG            |  |  |
| * * * * * * * * * * * * * * * * * * * * |     |          |    |       |                   |                |  |  |

APPLICATION G 16334 FALLS WITHIN THESE QUAD(S)

#### 

The following OWRD Groundwater Management Areas are within the map extent:

| \$RECNO                                 | NAME 1     | NAME 2              | SUB-AREA | STATUS |  |  |  |
|-----------------------------------------|------------|---------------------|----------|--------|--|--|--|
| 1                                       | THE DALLES |                     |          | CRIT   |  |  |  |
| 2                                       | THE DALLES | THREEMILE RESERVOIR |          | CRIT   |  |  |  |
| * * * * * * * * * * * * * * * * * * * * |            |                     |          |        |  |  |  |