

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
GROUND WATER ANALYSIS

Location Near Salem (10 miles NW) State Oregon County Folk  
 Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Seq.No. \_\_\_\_\_  
 Date collected Aug. 27, 1965 Point of coll. \_\_\_\_\_  
 Source Drilled well Local well No. 06S04W31G  
 Owner Marvin Lewis (Reserve - Bruer No. 1) Water use \_\_\_\_\_  
 Depth (ft) 804-808 Cased to (ft) \_\_\_\_\_ Diam. (in) \_\_\_\_\_ Date drilled \_\_\_\_\_  
 W.L. \_\_\_\_\_ Yield \_\_\_\_\_ WBF \_\_\_\_\_  
 Treatment \_\_\_\_\_ Appear. when coll. \_\_\_\_\_  
 Collected by V. C. Newton Remarks Formation water

Specific conductance  
(micromhos at 25° C) 37,200 pH 7.0 Temp. (°F) \_\_\_\_\_

	ppm	epm		ppm	epm
Silica (SiO <sub>2</sub> )	7.5		Bicarbonate (HCO <sub>3</sub> )	52	0.85
			Carbonate (CO <sub>3</sub> )	0	.00
Calcium (Ca)	1,370	68.36	Sulfate (SO <sub>4</sub> )	7.3	.15
Magnesium (Mg)	309	25.43	Chloride (Cl)	18,800	530.35
Sodium (Na)	9,800	426.30	Fluoride (F)	.5	.03
Potassium (K)	33	.84	Iodide (I)	20	
			Nitrate (NO <sub>3</sub> )	128	2.06
Ammonium (NH <sub>4</sub> )	.3				
<b>Total</b>		<b>520.93</b>	<b>Total</b>		<b>533.44</b>

	ppm		ppm
Aluminum (Al)	0.5	Dissolved solids: Residue on evap. at 180° C Calculated	
Iron (Fe)	.01		30,500
Manganese (Mn)	.1	Hardness as CaCO <sub>3</sub> Noncarbonate	4,690 4,650
Copper (Cu)	.02	Color	15
Zinc (Zn)	.1	Density	.980

Lab. No. PNW 12961 Field No. \_\_\_\_\_ Project \_\_\_\_\_