

## Chemical analyses of water from representative wells in the East Portland Terraces Area

Sample	Location number	Date of Collection	Constituents in parts per million (ppm)																				Alkalinity (as CaCO <sub>3</sub> )	Hardness (as CaCO <sub>3</sub> )	Dissolved Solids (as NaCl)	Dissolved Solids (as CaCO <sub>3</sub> )	Dissolved Solids (computed)	Dissolved Solids (evaporation residue at 180°C for 3 hours)	True Color (ACS 13)	Specific Conductivity (micro mhos/cm at 25°C)	pH	Temperature in °F	SAR <sup>13</sup>	Specific Capacity <sup>14</sup>	Depth to water (in feet below land surface)	Land Surface Elevation (in feet above mean sea level)	Water Table (in feet above mean sea level)	Water Bearing Zone		Character of Material	Use of water and observations	Address of sampled well									
			Silica (SiO <sub>2</sub> )	Iron (Fe)	Manganese (Mn)	Chromium (Cr)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sodium Chromate (Na <sub>2</sub> CrO <sub>4</sub> )	Copper (Cu)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Nitrite (NO <sub>2</sub> )	Phosphate (PO <sub>4</sub> )	Bromine (Br)	Nitrate, Nitrite, Nitrogen (N)																Hydrogen Sulfide (H <sub>2</sub> S)	Chlorine (Cl)				Dissolved Oxygen	Acidity (as CaCO <sub>3</sub> )	Total	Hydroxide	Total	Non-carbonate	Calcium		
1	1/2-11R(1)	June, 1973	68	.04	.00	.05	13	13.8	11.6	2.42	2.2	.05	98.4	.00	6	100	.5	7.9	.00		.02	1.8	.02	.00					120	.00	110	0	55	94.8	81.2	234	210	0	200	720	53.6	.54	4.07	40	232	190	373	7	TG (Tt)	municipal	5618 SE 135th, Portland
2	1N/2-22	June, 1973	55	.00	.00	.05	12.6	10.0	10.0	3.93	2.2	.06	59	.00	11	12.5	.5	18.5	.00		.02	4.2	.02	.00					72	.00	80	15	55	83.0	71.5	195.4	170	0	175	720	53.6	.51	30	131	154	23	174	5	G (Tt)	private, domestic use, sewage nearby	11031 NE Beach, Portland
3	1N/2-23ba	June, 1973	49	.06	.00	.04	12.4	9.8	11.2	3.80	2.2	.04	64	.00	12	12.5	.5	6.6	.00		.01	1.5	.02	.00					78	.00	77	17	55	75.8	64.5	189.2	190	0	160	6.35	53.6	.58	31.14	20	30	10	70	3	cm (Tt)	water district	122 1/2 Sandy, Portland
4	1N/2-26M(2)	July, 1973	56	.07	.00	.03	11.1	10.4	10.8	2.82	2.2	.06	65.6	.00	9	10.0	.5	13.2	.00		.02	3	.05	.00					80	.00	75	15	30	66.4	57.0	191.8	150	0	140	6.80	53.6	.56	6.09	203	285	82	365	5	5 (Tt)	industrial use, municipal	2234 NE 122, Portland
5	1N/2-35	July, 1973	39	.00	.00	.05	11.6	8.9	9.7	3.34	1.1	.07	57.4	.00	10	12.0	.5	13.2	.00		.01	3	.00	.00					70	.00	70	15	42	61.5	52.5	166.9	140	0	130	7.10	57.2	.52	3.38	153	300	147	315	9	5 (Tt)	Domestic use	13055 SE Stark, Portland
6	1N/2-36F(1)	July, 1973	48	.07	.00	.05	10.1	10.4	9.3	1.18	1.1	.05	65.6	.00	6	8.4	.5	6.2	.00		.01	1.4	.02	.00					80	.00	65	0	32	56.5	48.0	167	120	0	120	6.95	52.7	.49	50	190	335	145	200	-	1445 (Tt)	Cooling system, irrigation	148 E Glisan, Portland
7	1N/2-25C	July, 1973	44	.03	.00	.06	11.1	10.7	10.3	2.23	2.2	.06	67.2	.00	10	8.5	.44	13.2	.00		.01	3	.02	.00					82	.00	70	0	40	71.0	60.8	180.2	130	0	150	6.80	55.4	.53	-	50	90	40	66	4	1455 (Tt)	irrigation, domestic sewage, animals nearby	15197 NE Klickitat, Portland
8	1/2-3C	July, 1973	50	.09	.00	.05	13.4	9.9	10.8	5.34	2.7	.04	61.5	.00	17	15.0	.44	5.3	.00		.01	1.2	.02	.00					75	.00	85	15	50	94.8	81.2	191.6	174	0	200	7.20	57.0	.55	32.5	117	265	148	195	11	516 (Tt)	irrigation & cooling system	106 E Stark, Portland
9	1/3-7	July, 1973	58	.00	.00	.04	10.8	10.4	11.6	1.77	3.3	.08	82	.00	7	9.0	.44	5.3	.00		.01	1.2	.05	.01					100	.00	82	0	40	72.7	64.8	199.7	175	0	165	7.15	53.6	.61	4.54	79	268	189	315	5	516 (Tt)	irrigation, dairy meadow	16430 SE Powell, Portland
10	1/3-8	July, 1973	54	.15	<.50	.04	11.8	9.5	11.9	2.82	3.8	.06	80.4	.00	6	7.5	.44	6.2	.00		.01	1.4	.02	.00					98	.00	70	0	40	71.0	60.8	195.1	150	0	150	7.15	53.6	.61	1.0	18	270	252	65	2	16 (Tt)	domestic use	4500 SE 188, Portland
11	1/3-4	July, 1973	44	.00	.00	.03	10.3	11.3	11.8	1.31	3.3	.07	94.3	.00	7	8.0	.44	9.2	.02		.02	2.1	.00	.00					115	.00	77	0	39	71.0	60.8	200.8	150	0	150	7.10	53.6	.58	2.45	35	250	215	166	9	516 (Tt)	domestic use (mobile village)	21016 SE Stark, Portland
12	1N/3-33D(1)	July, 1973	41	.00	.00	.04	11.0	10.7	8.8	2.62	3.3	.08	80.4	.00	9	8.0	.11	9.7	.02		.02	2.2	.02	.00					98	.00	83	0	42	71.0	60.8	184.8	150	7	150	7.15	54.5	.45	2.39	90	200	110	205	21	5 (Tt)	irrigation & school use	1200 NE 201, Portland
13	1N/3-32	July, 1973	44	.00	.00	.04	11.1	9.1	9.6	1.28	3.8	.07	71.3	.00	8	9.0	.44	9.2	.00		.01	2.1	.05	.00					87	.00	68	0	40	71.0	60.8	177	145	0	150	7.20	53.6	.52	10.0	45	238	193	109	6	516 (Tt)	industrial use & irrigation	404 SE 202, Portland
14	1/3-6	July, 1973	44	.01	.00	.03	10.3	14.5	12.4	2.23	1.6	.06	106.6	.00	6	5.5	.55	9.7	.02		.01	2.2	.02	.00					130	.00	94	0	44	80.5	69.0	212.6	170	0	170	7.20	53.6	.59	5.88	60	248	188	230	43	516 (Tt)	domestic (mobile village)	16745 SE Division, Portland
15	1N/3-30	August, 1973	46	.02	.00	.03	12.3	12.2	14.0	4.32	2.2	.07	98.4	.00	7	9.0	.55	4.4	.00		.02	1.0	.05	.01					120	.00	83	0	47	80.5	69.0	210.7	173	1	170	7.50	57.0	.63	1.0	130	65	65	112	20	516 (Tt)	industrial irrigation (nursery)	17216 NE Sandy, Portland
16	1N/3-30A(1)	August, 1973	49	.00	.00	.03	11.3	10.5	10.8	3.59	2.2	.06	65.6	.00	16	12.0	.44	14.1	.00		.01	3.2	.02	.01					80	.00	79	17	42	80.5	69.0	195.6	162	0	170	7.20	57.0	.56	-	57	90	33	119	2	5 (Tt)	domestic, irrigation	18028 NE Sandy, Portland
17	1N/3-29	August, 1973	54	.00	.00	.03	12.0	11.1	15.8	3.86	2.7	.08	106.6	.00	7	8.5	.33	7.9	.00		.01	1.8	.02	.01					130	.00	76	0	54	90.2	77.5	229.9	192	2	190	7.15	54.5	.79	5.33	60	85	25	158	33	516 (Tt)	domestic (mobile village)	20191 NE Sandy, Portland
18	1N/3-28	August, 1973	46	.00	.00	.03	13.1	10.1	12.6	2.23	2.7	.06	90.2	.00	7	10.0	.44	11.4	.00		.01	2.6	.02	.01					110	.00	90	0	50	83.0	71.5	205.9	181	0	175	7.15	53.6	.64	2.38	63	75	12	272	5	5 (Tt)	domestic, irrigation (nursery)	Rt. 2 Box 328, Troutdale
19	1N/3-22	August, 1973	54	.00	.00	.03	10.8	10.9	13.3	3.93	2.2	.06	98.4	.00	7	8.0	.44	10.6	.00		.02	2.4	.02	.00					120	.00	74	0	40	75.8	64.5	218.7	146	1	160	7.10	57.0	.68	0.56	30	30	0	57	39	5 (Tt)	domestic use	Rt. 2 Box 259C, Troutdale
20	1N/3-23aa	August, 1973	53	.17	<.50	.04	15.3	8.0	18.5	4.98	3.3	.1	86.1	.00	5	28.5	.88	9.7	.00		.02	2.2	.02	.03					105	.00	80	0	58	92.5	79.0	234.1	192	0	195	7.10	55.4	.95	43.6	20	30	10	280	30	516 (Tt)	municipal, industrial irrigation	Ryanold Metal Co., Troutdale
21	1N/3-24	August, 1973	49	.05	.00	.03	13.7	4.6	10.0	3.60	2.2																																								