



Pre-Permitting Environmental / Socio-Economic Data Report Series

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# Report Series F- Groundwater & Surface Water Quality

## Report F-4 Mine Area – Groundwater 2004-2007

*Submitted to the Alaska Department of Natural Resources December 2008*

*Preliminary data. Do not cite or quote.*

The Pebble Partnership is providing environmental and socio-economic baseline data collected to inform the development of the Pebble Project to state and federal agencies, project stakeholders and the general public prior to project permitting as part of its commitment to full and open disclosure.

A comprehensive Environmental Baseline Document (EBD) will subsequently be prepared and appended to future project permit applications. The EBD will also be made publicly available when complete.

Study conducted for the Pebble Limited Partnership by:

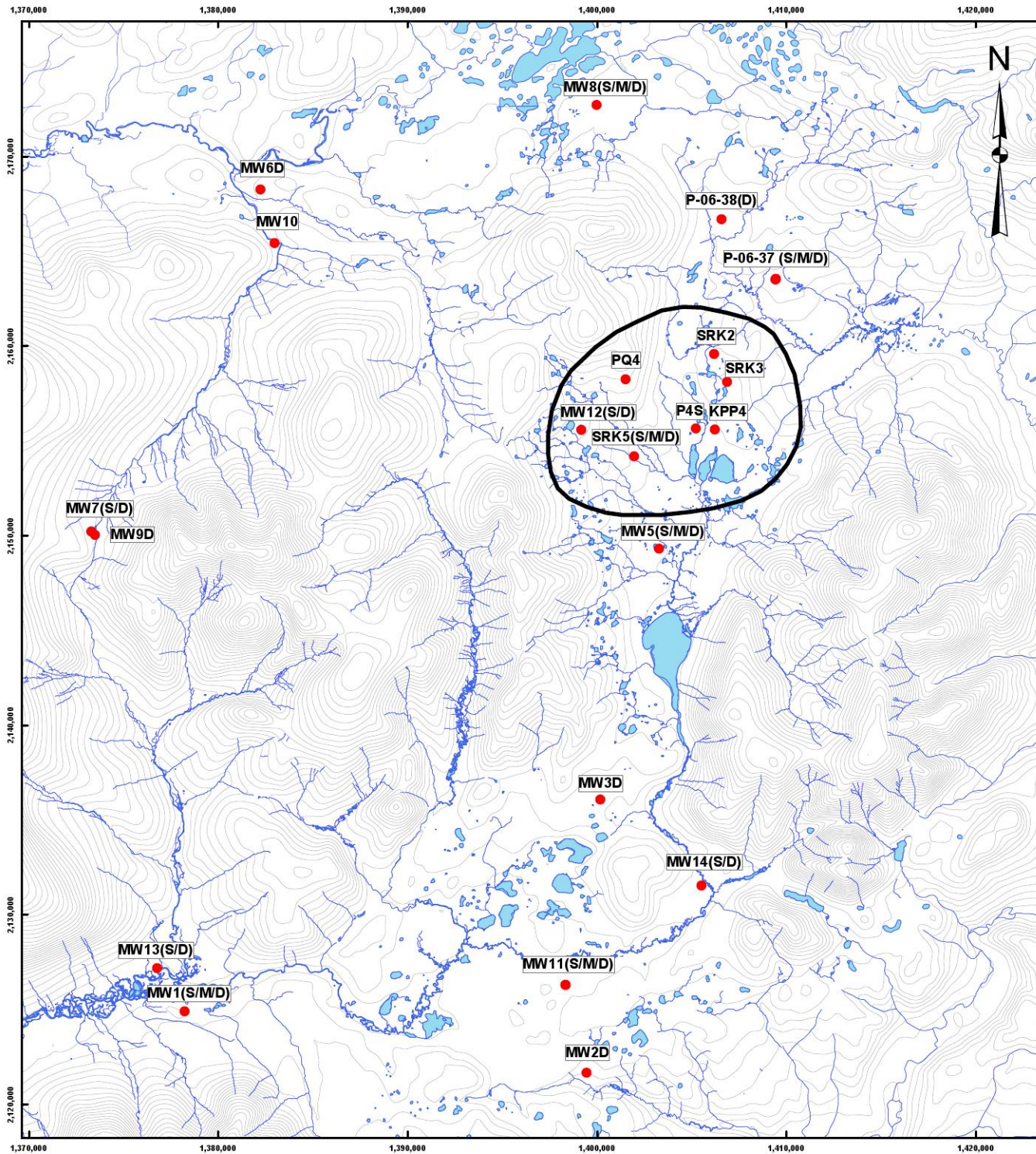


SLR Alaska  
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**CH2MHILL**

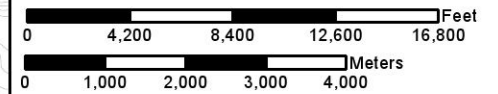
CH2M Hill  
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2004-2007  
Resource Deposit Area  
Groundwater Monitoring  
Well Locations

Legend

- Monitoring Well
- ▭ General Deposit Outline
- Lakes
- Rivers
- 50 ft Contour Interval



Scale 1:94,234  
Alaska State Plane Zone 5 (units feet)  
1983 North American Datum

Project No: 7126	Date: Aug 26, 2008
Version: 1	Author: WMC-LC

**2004-2007 Pebble Deposit Area GroundWater  
Field Analysis Results Summary**

Well ID	Date Sampled	pH	Temp (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mv)	Ferrous Iron (mg/L)	Color	Odor	Turbidity
KPP4	22/03/2005	7.52	2.92	0.1	10.86			Clear	None	None
KPP4	14/05/2005	7.37	4.04	0.112	11.15	90.7		Clear	None	None
KPP4	19/08/2005	7.15	4.60	0.091	11.60	41	0.02	Clear	None	None
KPP4	07/11/2005	7.53	2.07	0.188	10.74	279	0.02	Clear	None	None
KPP4	09/03/2006	6.67	2.39	0.099	10.57	152	0.00	Lt. Tan	None	Low
KPP4	19/05/2006	6.40	3.01	0.114	10.64	192.9	0.03	Clear	None	None
KPP4	19/08/2006	6.64	3.57	0.104	10.51	158.5	0.27	Clear	None	None
KPP4	26/10/2006	7.28	3.06	0.12	13.28	172.7	0.01	Milky White / Clear	None	Medium / None
KPP4	15/03/2007	7.28	2.38	0.062	9.53	70.5	0.31	Milky White / Clear	None	High / None
KPP4	13/05/2007	7.05	3.05	0.059	11.48	112.8	0.06	Milky White / Clear	None	Medium / None
KPP4	17/08/2007	6.95	3.46	0.063	11.48	66.9				
KPP4	09/11/2007	6.42	2.67	0.112	12.14	125.9	0.05	Milky White/Clear	None	Medium to None
MW1D	23/09/2004	6.65	3.63	0.056	18.72	241	0.09	Clear	None	None
MW1D	22/10/2004	6.69	3.63	0.062	15.13	246				40
MW1D	21/03/2005	6.77	3.17	0.048	11.80			Clear	None	None
MW1D	13/05/2005	6.35	3.38	0.057	12.02	207	0.0	Clear		None
MW1D	17/08/2005	6.51	4.47	0.052	12.09	125	0.00	Clear	None	None
MW1D	11/11/2005	6.54	3.27	0.059	12.32	242	0.00	Clear	None	None
MW1D	21/03/2006	6.17	3.18	0.057	12.69	113		Clear	None	None
MW1D	22/05/2006	5.87	3.49	0.052	13.00	286.5	0.01	Clear	None	None
MW1D	22/08/2006	6.17	3.81	0.051	12.56	163.4	0.04	Clear	None	None
MW1D	31/10/2006	6.83	3.42	0.054	14.23	280.4	0.03	Clear	None	None
MW1D	19/03/2007	6.46	2.97	0.030	10.12	169.3	0.05	Clear	None	None
MW1D	10/05/2007	6.45	3.62	0.031	12.60	128.6	0.00	Clear	None	None
MW1D	22/08/2007	6.29	4.03	0.034	13.13	143.3	0.01	Clear	None	None
MW1D	13/11/2007	5.83	3.26	0.053	13.46	266.3	0.04	Clear	None	None
MW1M	24/09/2004	7.09	4.34	0.056	15.17	214	0.06	Clear	None	None
MW1M	29/10/2004	6.70	3.23	0.077	9.64	200				
MW1M	21/03/2005	12.29	2.99	0.037	12.30			Clear	None	None
MW1M	13/05/2005	5.95	3.19	0.054	12.99	242		Clear	None	None
MW1M	17/08/2005	6.17	4.51	0.049	12.66	158	0.03	Clear	None	None
MW1M	11/11/2005	6.14	3.27	0.052	12.25	250	0.18	Clear	None	None
MW1M	22/03/2006	6.36	3.17	0.051	12.45	271	0.28	Clear	None	None
MW1M	22/05/2006	6.19	3.18	0.046	13.36	270.1	0.01	Clear	None	None
MW1M	22/08/2006	6.12	3.63	0.046	12.87	154.9	0.03	Clear	None	None
MW1M	31/10/2006	6.61	3.42	0.051	15.00	279.7	0.05	Clear	None	None
MW1M	19/03/2007	6.31	2.98	0.029	10.60	222.3	0.02	Clear	None	None
MW1M	10/05/2007	6.23	3.44	0.029	13.54	204.6	0.00	Clear	None	None
MW1M	22/08/2007	6.18	3.74	0.031	13.02	209.1	0.00	Clear	None	None
MW1M	12/11/2007	7.26	3.24	0.047	11.96	170.9	0.01	Clear	None	None
MW1S	25/09/2004	5.94	6.36	0.023	14.69	282	0.12	Clear	None	None
MW1S	29/10/2004	5.66	5.23	0.020	9.65	229				
MW1S	13/05/2005	5.16	1.91	0.015	14.18	235		Lt.Brown	None	Low/Medium
MW1S	17/08/2005	5.29	6.78	0.015	10.53	153	0.00	Clear	None	None
MW1S	11/11/2005	4.99	4.89	0.017	12.31	298	0.20	Tan	None	Low/Medium
MW1S	21/03/2006	5.82	2.26	0.026	11.41	145	0.00	Tan	None	Low/Medium
MW1S	22/05/2006	4.94	1.97	0.011	14.92	345.4	0.01	Silty/Clear	None	Low/None
MW1S	22/08/2006	5.85	4.70	0.019	13.36	206.4	0.07	Clear	None	None
MW1S	31/10/2006	6.88	4.69	0.015	13.59	335.2	0.00	Clear	None	None
MW1S	19/03/2007	5.59	2.28	0.016	9.81	203.7	0.04	Brown to clear	None	Medium to low
MW1S	10/05/2007	4.76	1.92	0.007	14.08	201.5	0.00	Clear	None	None
MW1S	22/08/2007	5.27	4.35	0.011	13.00	196.3	0.00	Clear	None	None
MW1S	13/11/2007	5.66	3.78	0.015	13.35	273.7	0.03	Clear	None	None
MW2D	07/09/2004	8.75	4.90	0.060	12.95	132		Clear	None	None
MW2D	20/10/2004	8.63	2.40	0.059	10.38	213				
MW2D	22/03/2005	8.83	3.10	0.046	13.12		None	Clear	Clear	None
MW2D	16/05/2005	8.78	3.60	0.054	13.23	130	0.0	Clear		None
MW2D	17/08/2005	8.98	4.03	0.052	7.53	102	0.00	Clear	None	None
MW2D	12/11/2005	8.57	2.72	0.053	12.36	156	0.30	Clear	None	None
MW2D	23/03/2006	7.11	3.09	0.054	13.54	183	0.03	Clear	None	None
MW2D	21/05/2006	6.55	3.18	0.052	14.38	211	0.01	Clear	None	None
MW2D	23/08/2006	7.39	3.66	0.049	12.64	153.4	0.06	Clear	None	None
MW2D	02/11/2006	7.79	3.05	0.064	12.16	207.8	0.02	Clear	None	None
MW2D	22/03/2007	8.83	2.87	0.027	13.12	141.6	0.00	Clear	None	None
MW2D	11/05/2007	8.71	3.86	0.031	12.79	98.7	0.00			
MW2D	22/08/2007	8.54	4.13	0.032	13.49	119.3	0.04	Clear	None	None
MW2D	12/11/2007	8.57	3.80	0.048	12.70	114.8	0.00	Clear	None	None



**2004-2007 Pebble Deposit Area GroundWater  
Field Analysis Results Summary**

Well ID	Date Sampled	pH	Temp (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mv)	Ferrous Iron (mg/L)	Color	Odor	Turbidity
MW3D	16/05/2005	6.73	5.53	0.150	8.30	197		Cloudy Brown-Clear	None	None
MW3D	22/08/2005	7.06	6.01	0.144	8.19	29	0.00	Clear	None	None
MW3D	24/03/2006	6.87	3.68	0.15	9.29	279	0.04	Clear	None	None
MW3D	23/05/2006	5.43	7.21	0.135	8.82	258.8	0.03	Clear	None	None
MW3D	02/11/2006	6.76	4.99	0.17	7.50	272.7		Clear	None	None
MW3D	09/05/2007	6.89	5.43	0.095	8.73	120.3		Clear	None	None
MW3D	10/05/2007	7.00	5.91	0.09	9.47	61.8		Clear	None	None
MW3D	16/08/2007	6.71	5.13	0.092	8.50	105.7	0.00	Clear	None	None
MW3D	11/11/2007	6.75	5.65	0.144	8.95	207.8	0.06	Clear	None	None
MW11SS	11/11/2005	6.12	4.36	0.027	12.85	232	0.02	Clear	None	None
MW11SS	22/08/2006	6.19	4.42	0.021	13.17	182.2	0.00	Clear	None	None
MW11SS	01/11/2006	6.86	3.96	0.029	12.48	285.3	0.02	Clear	None	None
MW11SS	21/08/2007	6.12	4.40	0.012	13.91	136.0	0.00	Clear	None	None
MW12D	19/08/2005	5.89	3.92	0.135	4.00	110	0.00	Slightly Orange - Clear	None	Low
MW12D	08/11/2005	5.97	2.42	0.147	2.42	66	0.21	Clear	None	None
MW12D	24/03/2006	6.82	2.82	0.145	2.21	250	0.00	Clear	High/Very strong	Low/None
MW12D	19/05/2006	5.47	2.92	0.143	2.24	221.7	0.02	Clear	None	None
MW12D	18/08/2006	6.13	3.24	0.135	2.48	125.6	0.06	Clear	Very Strong / Sulfur smell	None
MW12D	28/10/2006	5.81	2.75	0.139	2.74	216.6	0.01	Clear	Very Strong / Sulfur smell	None
MW12D	13/03/2007	6.06	1.88	0.078	2.06	229.8	0.11	Clear	Very Strong / Sulfur smell	None
MW12D	12/05/2007	5.79	3.22	0.079	2.38	20.2	0.00	Clear	High	None
MW12D	17/08/2007	5.80	3.24	0.082	2.53	34.4	0.03	Clear	Very Strong / Sulfur smell	None
MW12D	10/11/2007	6.06	2.42	0.133	2.47	122.9	0.04	Clear	Very Strong (hydrogen sulfide)	None
MW12S	19/08/2005	7.31	4.95	0.662	0.92	15	0.15	Clear	None	Low
MW12S	09/11/2005	7.40	2.36	0.727	5.55	91	0.08		Hydrogen Sulfide/very strong	Low
MW12S	24/03/2006	6.98	2.56	0.677	0.44	97	0.13	Tan	Hydrogen Sulfide/Very strong	Low/None
MW12S	19/05/2006	6.41	3.18	0.652	0.73	142.4	0.18	Clear	None	Low
MW12S	18/08/2006	6.63	3.52	0.637	0.44	100.3	0.19	Clear	None	Low
MW12S	28/10/2006	6.98	2.62	0.67	0.95	152.5	0.01	Silty/Clear	None	Low/None
MW12S	12/03/2007	7.25	1.87	0.341	3.52	-21		Silty/Clear	None	Low
MW12S	12/05/2007	7.22	3.05	0.323	0.87	-110.7	0.09	Silty/Clear	Medium/Low	Low/None
MW12S	17/08/2007	7.14	3.29	0.360	0.46	17.15	0.06	Clear	None	None
MW12S	10/11/2007	7.01	2.26	0.598	0.62	64.8	0.14	Clear	High (hydrogen sulfide)	None
MW13D	22/08/2005	7.92	3.64	0.102	6.86	-2.3	0.16	Milky White	None	Low/Medium
MW13D	12/11/2005	6.53	4.51	0.064	6.75	166	0.07	Clear	None	None
MW13D	21/03/2006	6.24	3.10	0.055	8.74	103	0.55	Milky White	None	Low
MW13D	22/05/2006	5.81	3.16	0.05	9.24	286	0.03	Clear	None	None
MW13D	24/08/2006	6.30	3.14	0.045	9.10	191.4	0.05	Clear	None	None
MW13D	31/10/2006	6.48	4.95	0.047	8.83	259.5	0.01	Clear	None	None
MW13D	18/03/2007	6.43	3.07	0.028	8.26	173.1	0.02	Clear	None	None
MW13D	11/05/2007	6.40	2.96	0.029	9.32	169.4	0.00	Clear	None	None
MW13D	22/08/2007	6.23	3.17	0.027	9.33	154.1	0.01	Clear	None	None
MW13D	14/11/2007	5.59	4.61	0.048	8.95	222.9	0.01	Clear	None	None
MW13S	22/08/2005	5.74	5.08	0.036	4.75	71	0.10	Clear	None	None
MW13S	11/11/2005	5.86	8.03	0.038	8.67	223	0.07	Clear	None	None
MW13S	21/03/2006	5.29	1.06	0.035	11.71	210	0.06	Clear	None	None
MW13S	22/05/2006	5.42	2.07	0.035	12.52	312.1	0.06	Clear		
MW13S	24/08/2006	6.00	1.93	0.033	8.98	196.7	0.01	Clear	None	None
MW13S	31/10/2006	6.73	6.25	0.036	8.66	283	0.00	Clear	None	None
MW13S	18/03/2007	5.86	1.64	0.019	12.40	215.2	0.02	Clear	None	None
MW13S	11/05/2007	5.59	1.12	0.019	12.70	193.6	0.01	Clear	None	None
MW13S	22/08/2007	5.67	3.05	0.020	8.17	167.9	0.01	Clear	None	None
MW13S	14/11/2007	6.17	6.81	0.038	8.85	205.2	0.29	Clear	None	None
MW14D	10/11/2005	7.17	3.31	0.277	4.09	66	0.11	Clear	None	None
MW14D	23/03/2006	7.83	3.85	0.324	6.06	69		Clear	Hydrogen Sulfide	None
MW14D	21/05/2006	6.64	4.40	0.219	2.58	147.7	0.14	Clear	None	None
MW14D	23/08/2006	7.21	5.06	0.225	1.24	102.7	0.34	Clear	Very Strong/ Sulfur Like	None
MW14D	03/11/2006	7.07	4.11	0.297	2.14	145.4	0.21	Clear	Very Strong	None
MW14D	20/03/2007	7.74	2.81	0.205	1.53	-183.2	0.10	Clear	Very Strong	None
MW14D	09/05/2007	7.92	4.15	0.279	1.17	-221.5	0.17	Clear	Hydrogen Sulfide	None
MW14D	20/08/2007	7.34	3.93	0.201	1.21	89.2	0.01	Clear	Hydrogen Sulfide	None
MW15D	12/11/2007	7.18	3.17	0.392	1.29	81	0.07	Clear	High (hydrogen sulfide)	None
MW14S	10/11/2005	5.99	2.52	0.08	11.05	243	0.00	Clear	None	None
MW14S	23/03/2006	7.12	3.89	0.079	10.42	193	0.00	Clear	None	None
MW14S	21/05/2006	6.43	4.27	0.083	12.41	210.2	0.01	Clear	None	None
MW14S	23/08/2006	6.27	4.22	0.068	9.25	158.8		Clear	None	None
MW14S	02/11/2006	6.30	3.22	0.088	9.73	291.9	0.55	Clear	None	None
MW14S	20/03/2007	5.86	3.09	0.048	11.19	170.7	0.05	Clear	None	None
MW14S	09/05/2007	6.14	3.52	0.048	11.71	145.3	0.00	Clear	None	None
MW14S	19/08/2007	6.14	4.71	0.044	14.02	124.5	0.01	Clear	None	None
MW14S	12/11/2007	6.17	3.07	0.071	10.52	227.2	0.03	Clear	None	None

**2004-2007 Pebble Deposit Area GroundWater  
Field Analysis Results Summary**

Well ID	Date Sampled	pH	Temp (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mv)	Ferrous Iron (mg/L)	Color	Odor	Turbidity
MW5D	24/09/2004	10.01	4.09	0.271	0.58	-356	0.13	Clear	None	None
MW5D	19/10/2004	9.63	3.67	0.271	0.84	-369				
MW5D	18/03/2005	7.89	3.74	0.218	0.22			Clear	None	None
MW5D	11/05/2005	9.01	4.54	0.218	0.13	-267	0.0	Clear	None	None
MW5D	18/08/2005	7.08	5.25	0.247	0.38	-68	0.91	Brown-clear	None	Low
MW5D	09/11/2005	7.03	3.13	0.264	0.21	-58	1.48	Clear	None	None
MW5D	23/03/2006	7.20	3.61	0.262	0.30	35	1.38	Tan	Slight / Hydrogen Sulfide	Low
MW5D	18/05/2006	6.50	3.38	0.25	0.31	78	1.35	Clear	Medium/High	None
MW5D	17/08/2006	6.20	4.31	0.244	0.28	122.3	1.99			
MW5D	29/10/2006	6.59	3.38	0.257	0.98	137.2	1.22	Clear	Medium/High (sulfur like odor)	None
MW5D	15/03/2007	7.01	2.18	0.135	0.14	-45	1.38	Clear	Medium/High	None
MW5M	07/09/2004	8.46	3.89	0.302	0.52	-16				
MW5M	24/09/2004	7.60	3.00	0.296	6.28	-58	0.00	Clear	None	None
MW5M	19/10/2004	8.52	3.21	0.287	0.68	28				
MW5M	23/03/2005	7.92	3.27	0.235	3.01			Clear	None	None
MW5M	11/05/2005	8.10	4.61	0.234	0.78	114.7	0.0	Clear		None
MW5M	18/08/2005	7.95	4.58	0.273	0.54	-67	0.00	Clear	None	None
MW5M	09/11/2005	7.72	3.00	0.296	6.28	-58	0.00	Clear	None	None
MW5M	23/03/2006	7.28	3.11	0.297	0.25	84	0.00	Clear	Hydrogen Sulfide	None
MW5M	18/05/2006	6.79	3.37	0.285	0.53	162	0.01	Clear	None	None
MW5M	17/08/2006	6.40	4.17	0.282	0.37	167.7	0.05			
MW5M	28/10/2006	7.23	3.44	0.291	0.71	143.1		Clear	High/Very strong (sulfur)	None
MW5M	15/03/2007	7.91	2.24	0.156	0.14	-69.8	0.02	Clear	High/Very strong (sulfur)	None
MW5M	13/05/2007	7.66	3.32	0.158	0.20	-84.6	0.00	Clear	High/Very Strong	None
MW5M	19/08/2007	7.59	3.81	0.161	0.26	-89.4	0.06	Clear	High/Very strong (sulfur)	None
MW5M	10/11/2007	7.37	3.05	0.274	0.29	95.5	0.04	Clear	High (hydrogen sulfide)	None
MW5S	07/09/2004	6.91	3.96	0.184	10.01	32		Clear	None	None
MW5S	19/10/2004	7.24	3.62	0.129	15.19	113				
MW5S	18/03/2005	6.71	3.70	0.109	8.74			Clear	None	None
MW5S	11/05/2005	6.81	5.01	0.077	9.80	77.2	0.0	Clear		None
MW5S	18/08/2005	6.54	4.13	0.103	8.88	33	0.29	Clear	None	None
MW5S	09/11/2005	6.69	2.79	0.084	9.29	32	0.00	Clear	None	None
MW5S	23/03/2006	7.01	3.39	0.113	7.23	157	0.06	Clear	None	None
MW5S	18/05/2006	6.34	3.33	0.112	10.28	185.4	0.07	Clear	Medium/Hydrogen sulfide	None
MW5S	17/08/2006	5.86	4.40	0.055	10.31	173.1	0.00			
MW5S	29/10/2006	6.18	3.53	0.062	12.40	240.2	0.00	Clear	Medium (sulfur like)	None
MW5S	15/03/2007	6.38	2.14	0.066	6.21	157.4	0.02	Clear	Medium	None
MW5S	13/05/2007	6.50	3.24	0.066	7.35	103.3	0.16	Clear	None	None
MW5S	19/08/2007	6.37	3.71	0.076	7.11	36.3	0.27	Clear	None	None
MW5S	11/11/2007	5.31	2.56	0.052	10.78	178.5	0.01	Clear	None	None
MW6D	07/09/2004	6.40	3.62	0.057	13.06	235		Clear	None	None
MW6D	21/10/2004	6.69	4.37	0.031	12.32	266				
MW6D	20/03/2005	6.46	2.38	0.04	11.78			Clear	None	None
MW6D	12/05/2005	6.16	2.91	0.042	12.66	184.4	0.0	Clear	None	None
MW6D	20/08/2005	6.11	5.95	0.037	10.83	59	0.03	Clear	None	None
MW6D	05/11/2005	6.22	3.58	0.043	6.03	298	0.00	Clear	None	None
MW6D	10/03/2006	6.45	2.33	0.043	12.19	329	0.32	Clear	None	None
MW6D	23/05/2006	5.83	3.69	0.041	14.00	276.7	0.26	Clear	None	None
MW6D	20/08/2006	6.06	6.01	0.042	8.96	196	0.11	Clear	None	None
MW6D	29/10/2006	6.64	4.34	0.038	14.63	246.8	0.11	Clear	None	None
MW6D	17/03/2007	6.05	2.75	0.024	11.51	208.4	0.00	Clear	None	None
MW6D	14/05/2007	6.08	3.15	0.026	12.65	162.3	0.01	Clear	None	None
MW6D	21/08/2007	5.93	5.00	0.026	12.18	162.8	0.00	Clear	None	None
MW6D	14/11/2007	6.05	3.05	0.035	10.54	253.1	0.05	Clear	None	None
MW7D	06/09/2004	5.89	3.23	0.051	17.08	308		Milky White	None	18.00
MW7D	20/10/2004	6.64	2.62	0.05	15.35	281				3.00
MW7D	17/03/2005	6.65	2.51	0.038	12.54			Clear	None	None
MW7D	15/05/2005	5.87	3.93	0.042	12.08	140		Clear	None	None
MW7D	21/08/2005	5.90	4.17	0.04	13.60	104	0.06	Clear	None	None
MW7D	12/11/2005	6.15	2.67	0.039	11.88	237	0.36	Clear	None	None
MW7D	12/03/2006	6.76	2.62	0.04	12.79	328	0.01	Clear	None	None
MW7D	23/05/2006	5.35	3.88	0.036	13.05	299.3	0.03	Clear	None	None
MW7D	21/08/2006	6.07	3.35	0.037	12.36	178.2	0.19	Clear	None	None
MW7D	30/10/2006	6.52	3.13	0.041	13.50	272.9		Clear	None	None
MW7D	18/03/2007	6.17	2.88	0.022	10.25	187.8	0.00	Clear	None	None
MW7D	11/05/2007	6.18	3.44	0.023	12.27	163.2	0.01			
MW7D	23/08/2007	6.18	3.27	0.022	13.10	139.3	0.02	Clear	None	None
MW7D	14/11/2007	6.41	2.56	0.036	13.74	206.5	0.02	Clear	None	None

**2004-2007 Pebble Deposit Area GroundWater  
Field Analysis Results Summary**

Well ID	Date Sampled	pH	Temp (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mv)	Ferrous Iron (mg/L)	Color	Odor	Turbidity
MW7S	24/09/2004	6.39	2.38	0.044	14.97	271	0.11	Clear	None	None
MW7S	20/10/2004	6.66	3.11	0.038	14.62	272				
MW7S	17/03/2005	6.43	3.12	0.034	12.39			Lt.Brown-clear	None	None-low
MW7S	15/05/2005	5.73	3.42	0.027	13.38	164		Clear	None	None
MW7S	21/08/2005	6.14	4.51	0.035	12.79	28	0.05	Clear	None	None
MW7S	12/11/2005	5.76	3.66	0.032	11.39	234	0.18	Clear	None	None
MW7S	12/03/2006	6.74	2.97	0.041	12.84	316	0.00	Clear	None	None
MW7S	21/08/2006	6.12	3.23	0.032	11.92	173.4	0.00	Clear	None	None
MW7S	30/10/2006	6.49	3.90	0.026	12.76	299.9	0.00	Clear	None	None
MW7S	23/08/2007	6.15	3.08	0.022	13.02	142.2	0.00	Clear	None	None
MW7S	12/11/2007	6.34	2.78	0.032	13.65	205.1	0.02	Clear	None	None
MW8D	06/09/2004	7.95	3.47	0.117	13.07	188		Clear	None	None
MW8D	19/10/2004	8.19	3.19	0.107	11.86	238				
MW8D	15/03/2005	7.86	2.90	0.083	11.11			Clear	None	None
MW8D	12/05/2005	7.64	3.15	0.102	11.08	179.4	0.0	Clear	None	None
MW8D	20/08/2005	7.58	4.05	0.081	11.06	73	0.02	Clear	None	None
MW8D	06/11/2005	7.71	2.71	0.099	5.97	257	0.00	Clear	None	None
MW8D	10/03/2006	7.00	2.99	0.095	11.30	257	0.00	Clear	None	None
MW8D	20/05/2006	6.56	3.01	0.093	12.11	192.9	0.00	Clear	None	None
MW8D	20/08/2006	6.86	3.51	0.092	11.00	164.5	0.05	Clear	None	None
MW8D	25/10/2006	7.17	2.98	0.094	12.39	188.7	0.04	Clear	None	None
MW8D	17/03/2007	7.82	2.40	0.054	11.10	145.6	0.00	Clear	None	None
MW8D	14/05/2007	7.56	3.17	0.056	10.82	109.9	0.00	Clear	None	None
MW8D	21/08/2007	7.19	3.45	0.056	12.17	101.4	0.16	Clear	None	None
MW8D	15/11/2007	6.92	2.64	0.091	11.63	198.1	0.31	Clear	None	None
MW8M	06/09/2004	6.14	3.31	0.072	13.03	287		Clear	None	None
MW8M	19/10/2004	6.50	2.93	0.066	15.88	271				
MW8M	15/03/2005	6.29	3.01	0.051	12.79			Clear	None	None
MW8M	12/05/2005	6.20	3.55	0.061	12.38	224.7	0.00	Clear	None	None
MW8M	20/08/2005	6.29	3.99	0.046	12.36	109	0.00	Clear	None	None
MW8M	06/11/2005	6.39	2.97	0.059	6.80	285	0.01	Clear	None	None
MW8M	10/03/2006	6.83	2.55	0.059	11.51	311	0.12	Clear	None	None
MW8M	20/05/2006	6.04	3.18	0.057	12.87	249.5	0.00	Clear		
MW8M	20/08/2006	6.35	3.33	0.058	11.92	209	0.06	Clear	None	None
MW8M	26/10/2006	6.47	2.99	0.058	13.35	217.2	0.00	Clear	None	None
MW8M	17/03/2007	6.22	2.48	0.034	10.79	189.8	0.00	Clear	None	None
MW8M	14/05/2007	6.24	3.26	0.034	11.17	163.9	0.06	Clear	None	None
MW8M	20/08/2007	6.33	3.70	0.032	11.86	94.2	0.04	Clear	None	None
MW8M	15/11/2007	6.55	2.57	0.056	12.55	225.1	0.07	Clear	None	None
MW8S	06/09/2004	6.33	3.83	0.046	13.83	257		Clear	None	None
MW8S	19/10/2004	6.56	3.69	0.048	12.26	268				
MW8S	15/03/2005	6.20	3.48	0.043	11.31			Clear	None	None
MW8S	12/05/2005	6.09	3.66	0.042	12.99	195.6	0.0	Clear	None	None
MW8S	20/08/2005	6.55	5.16	0.033	11.48	75		Clear	None	None
MW8S	06/11/2005	6.18	3.26	0.044	6.79	242	0.00	Clear	None	None
MW8S	10/03/2006	6.99	2.65	0.042	11.65	310	0.07	Clear	None	None
MW8S	20/05/2006	6.08	3.27	0.042	11.73	239.9	0.04	Clear		
MW8S	20/08/2006	6.35	3.54	0.047	12.90	192.8	0.11	Clear	None	None
MW8S	25/10/2006	6.34	3.51	0.047	13.22	235.8	0.06	Clear	None	None
MW8S	17/03/2007	6.25	2.50	0.024	11.30	202.2	0.03	Clear	None	None
MW8S	14/05/2007	6.13	3.37	0.024	11.11	160.3	0.01	Clear	None	None
MW8S	20/08/2007	6.19	3.34	0.022	13.00	138.5	0.02	Clear	None	None
MW8S	14/11/2007	6.32	2.89	0.042	15.49	235.2	0.00	Clear	None	None
MW9D	06/09/2004	5.55	3.10	0.052	13.39	298		Clear	None	None
MW9D	20/10/2004	6.31	2.80	0.048	14.41	272				
MW9D	17/03/2005	5.95	2.60	0.041	10.02			Clear	None	None
MW9D	15/05/2005	5.91	3.94	0.039	11.34	164	0.0	Clear	None	None
MW9D	21/08/2005	6.07	4.86	0.042	11.64	16	0.01	Clear	None	None
MW9D	21/08/2006	5.99	3.24	0.039	11.35	180.7	0.17	Clear	None	None
MW9D	23/08/2007	5.92	3.50	0.03	11.28	117.8	0.02	Clear	None	None
MW10	21/10/2004	6.28	3.69	0.053	10.64	283				
MW10	20/03/2005	6.11	2.53	0.04	10.44			Clear	None	None
MW10	12/05/2005	6.02	2.98	0.047	11.22	194.5	0.0	Clear	None	None
MW10	20/08/2005	6.19	4.80	0.039	9.61	34	0.02	Clear	None	None
MW10	06/11/2005	6.11	3.14	0.049	5.54	293	0.02	Clear	None	None
MW10	23/05/2006	5.37	3.35	0.046	11.48	295.9	0.01	Clear	None	None
MW10	20/08/2006	6.12	3.95	0.045	9.96	196.9	0.25	Clear	None	None
MW10	29/10/2006	6.76	3.30	0.047	13.85	240.6		Clear	None	None
MW10	18/03/2007	6.08	1.88	0.027	8.99	211.3	0.00	Clear	None	None
MW10	14/05/2007	6.15	2.64	0.028	10.19	163	0.00	Clear	None	None
MW10	23/08/2007	6.20	3.51	0.028	10.01	136.5	0.01	Clear	None	None

**2004-2007 Pebble Deposit Area GroundWater  
Field Analysis Results Summary**

<b>Well ID</b>	<b>Date Sampled</b>	<b>pH</b>	<b>Temp (°C)</b>	<b>Specific Conductivity (mS/cm)</b>	<b>Dissolved Oxygen (mg/L)</b>	<b>ORP (mv)</b>	<b>Ferrous Iron (mg/L)</b>	<b>Color</b>	<b>Odor</b>	<b>Turbidity</b>
MW10	15/11/2007	6.08	2.63	0.045	11.27	271	0.22	Clear	None	None

**2004-2007 Pebble Deposit Area GroundWater  
Field Analysis Results Summary**

Well ID	Date Sampled	pH	Temp (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mv)	Ferrous Iron (mg/L)	Color	Odor	Turbidity
MW11D	21/10/2004	6.46	4.65	0.055	8.61	244				
MW11D	21/03/2005	6.18	4.95	0.044	9.04			Clear	None	None
MW11D	13/05/2005	5.94	5.33	0.054	7.67	180	0.0	Clear	None	None
MW11D	16/08/2005	5.86	5.61	0.056	8.77	173	0.00	Clear	None	None
MW11D	10/11/2005	5.96	4.14	0.053	8.87	254	0.38	Clear	None	None
MW11D	22/03/2006	6.53	4.32	0.052	8.20	247	0.49	Clear	None	None
MW11D	21/05/2006	6.09	4.82	0.056	7.55	256	0.02	Clear	None	None
MW11D	21/08/2006	6.15	5.36	0.05	7.11	174.7	0.17	Clear	None	None
MW11D	01/11/2006	6.52	4.50	0.062	9.27	309.4	0.00	Clear	None	None
MW11D	22/03/2007	6.00	4.22	0.028	8.33	203.2	0.03	Clear	None	None
MW11D	10/05/2007	6.10	4.84	0.033	8.10	91.7	0.00	Clear	None	None
MW11D	21/08/2007	5.96	5.40	0.034	8.87	174.5	0.04	Clear	None	None
MW11D	11/11/2007	6.22	4.55	0.044	10.80	250.7	0.22	Clear	None	None
MW11M	21/10/2004	6.34	4.47	0.049	14.42	250				
MW11M	21/03/2005	5.88	4.44	0.04	9.05			Clear	None	None
MW11M	13/05/2005	5.76	5.18	0.047	9.35	176		Clear	None	None
MW11M	16/08/2005	5.78	5.77	0.046	10.56	149	0.04	Clear	None	None
MW11M	11/11/2005	5.84	3.82	0.044	11.06	230	0.02	Clear	None	None
MW11M	22/03/2006	6.52	4.20	0.044	8.58	271	0.00	Clear	None	None
MW11M	21/05/2006	5.81	4.80	0.046	8.51	262.6	0.00	Clear	None	None
MW11M	21/08/2006	6.10	5.72	0.044	9.95	198.1		Clear	None	None
MW11M	01/11/2006	6.54	4.43	0.051	11.25	312.8	0.00	Clear	None	None
MW11M	22/03/2007	5.87	3.57	0.023	10.52	192.5	0.00	Clear	None	None
MW11M	10/05/2007	5.85	4.73	0.025	10.80	129.1	0.02	Clear	None	None
MW11M	21/08/2007	5.82	5.39	0.027	11.02	156.6	0.02	Clear	None	None
MW11M	11/11/2007	6.19	4.26	0.037	13.76	230.4	0.03	Clear	None	None
MW11S	21/10/2004	6.60	4.73	0.056	15.56	258				-2.00
MW11S	21/03/2005	6.41	4.56	0.043	10.11			Clear	None	None
MW11S	13/05/2005	5.98	5.66	0.051	9.75	163		Clear	None	None
MW11S	16/08/2005	6.11	7.00	0.051	8.16	115	0.05	Clear	None	None
MW11S	11/11/2005	6.00	4.03	0.047	11.90	235	0.00	Clear	None	None
MW11S	22/03/2006	6.73	4.71	0.048	9.13	255	0.17	Clear	None	None
MW11S	21/08/2006	6.20	5.76	0.045	9.79	204.5	0.09	Clear	None	None
MW11S	01/11/2006	6.47	5.01	0.055	11.81	299.99	0.05	Clear	None	None
MW11S	22/03/2007	5.97	4.47	0.026	10.72	181.2	0.01	Clear	None	None
MW11S	21/08/2007	5.96	5.96	0.029	10.86	131.3	0.06	Clear	None	None
MW11S	11/11/2007	6.25	4.39	0.039	13.96	228.1		Clear	None	None
P0637D	04/11/2006	6.62	2.43	0.258	0.84	135.3		Clear	None	None
P0637D	23/03/2007	7.00	2.17	0.149	0.23	-95.0	0.50	Clear	None	None
P0637D	15/05/2007	6.96	3.33	0.163	0.16	-115.6	0.64	Clear	None	None
P0637D	20/08/2007	6.81	3.55	0.146	0.23	-82.5	0.68	Clear	None	None
P0637D	17/11/2007	6.58	2.39	0.267	0.80	-30.6	0.87	Clear	None	None
P0637M	03/11/2006	6.22	3.01	0.093	4.11	229.9	0.03	Milky White / Clear	None	Low / None
P0637M	23/03/2007	6.00	2.83	0.054	5.22	116.6	0.17	Clear	None	None
P0637M	15/05/2007	6.06	3.50	0.054	3.79	96.7	0.01	Clear	None	None
P0637M	20/08/2007	6.05	3.58	0.051	4.79	63.7	0.00	Clear	None	None
P0637M	17/11/2007	6.13	2.04	0.096	5.06	141		Clear	None	None
P0637S	03/11/2006	6.28	3.01	0.106	9.83	250.7	0.07			
P0637S	23/03/2007	6.11	2.49	0.063	11.67	151.0	0.14	Clear	None	None
P0637S	15/05/2007	6.31	3.35	0.064	8.51	104.2	0.01	Clear	None	None
P0637S	20/08/2007	6.29	3.32	0.061	10.25	122.8	0.68	Clear	None	None
P0637S	17/11/2007	6.26	2.14	0.112	13.06	155.1		Clear	None	None
P0638D	23/08/2007	7.65	7.15	0.117	0.23	-131.1	0.21	Clear	None	None
P4S	08/11/2005	7.35	2.86	0.15	11.70	182	0.53	Clear	None	None
P4S	09/03/2006	6.56	2.88	0.104	8.03	124	0.00	Clear	None	None
P4S	20/05/2006	5.94	3.04	0.236	1.63	224	0.00	Clear	None	None
P4S	19/08/2006	6.30	3.55	0.129	6.95	167.9	0.06	Clear	None	None
P4S	26/10/2006	6.99	2.99	0.225	4.09	192.2	0.56	Clear	None	None
P4S	16/03/2007	5.90	2.24	0.070	5.47	213.3	0.03	Clear	None	None
P4S	13/05/2007	6.20	3.15	0.124	1.53	162.6	0.04	Clear	None	None
P4S	18/08/2007	6.12	3.83	0.070	7.11	158.3	0.07	Clear	None	None
P4S	09/11/2007	6.26	3.17	0.147	5.50	102	0.00	Clear	None	None
PQ4	09/11/2005	6.31	1.78	0.109	0.75	164		Clear	None	None
PQ4	09/03/2006	6.33	1.94	0.085	0.34	155	0.57	Clear	None	None
PQ4	19/05/2006	5.40	2.67	0.097	0.32	202.7	0.71	Clear	None	None
PQ4	18/08/2006	5.55	3.00	0.092	0.28	153.3	0.62	Clear	None	None
PQ4	28/10/2006	5.38	2.45	0.097	0.95	188.7	0.64	Clear	None	None
PQ4	16/03/2007	4.39	2.10	0.050	0.27	161	0.68	Clear	None	None
PQ4	12/05/2007	4.68	3.34	0.054	0.35	182.3	0.60	Clear	None	None
PQ4	18/08/2007	4.55	2.99	0.052	0.24	175.8	0.53	Clear	None	None
PQ4	17/11/2007	4.87	1.98	0.092	0.83	192.8		Clear	None	None



**2004-2007 Pebble Deposit Area GroundWater  
Field Analysis Results Summary**

Well ID	Date Sampled	pH	Temp (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mv)	Ferrous Iron (mg/L)	Color	Odor	Turbidity
SRK2	23/03/2005	7.79	2.44	0.266	0.10			Clear	None	None
SRK2	15/05/2005	6.84	3.75	0.321	0.54	-12		Clear	None	None
SRK2	19/08/2005	7.85	4.13	0.279	0.72	-115	0.06	Brown	None	Low
SRK2	07/11/2005	7.67	1.43	0.32	0.22	-16	0.00	Milky White	Very Strong/ Sulfer	Low
SRK2	09/03/2006	6.38	1.87	0.267	0.22	1.3		Milky White	Hydrogen Sulfide	Low
SRK2	20/05/2006	7.00	2.82	0.294	0.31	123.7	0.17	Milky White	Strong Sulfur	Medium/None
SRK2	19/08/2006	6.70	3.87	0.3	0.39	120.2	0.02		Very Strong / Sulfur	Medium /Grey (light)
SRK2	26/10/2006	6.98	1.43	0.324	1.44	151.6	0.08	Milky White / Clear	Medium	Medium / Low
SRK2	16/03/2007	7.97	1.85	0.159	0.19	-119.9	0.00	Milky White / Clear	Medium to High	Medium / Low
SRK2	15/05/2007	7.72	2.73	0.176	0.31	-116.6		Milky White / Clear	Very Strong	Medium / Low
SRK2	19/08/2007	7.68	3.24	0.169	0.33	-121.5	0.02	Clear	Very Strong	None
SRK2	09/11/2007	7.60	2.48	0.297	0.71	33.2	0.07	Clear	Very Strong (hydrogen sulfide)	None
SRK3	08/11/2005	7.53	2.13	0.391	0.24	-17	0.05	Clear	Slight / Sulfur	None
SRK3	09/03/2006	6.74	2.06	0.328	0.30	32		Clear	None	None
SRK3	20/05/2006	6.86	2.59	0.358	0.81	153.5	0.06	Clear	None	None
SRK3	19/08/2006	6.63	3.22	0.374	0.41	121.3	0.24	Clear	None	None
SRK3	26/10/2006	7.06	2.13	0.404	1.46	185.5	0.53	Clear	None	None
SRK3	16/03/2007	7.52	1.92	0.202	0.25	-48.9	0.20	Clear	None	None
SRK3	13/05/2007	7.52	2.53	0.21	0.29	-54.8	0.11	Clear	None	None
SRK3	19/08/2007	7.41	2.84	0.214	0.30	-124.4	0.13	Clear	None	None
SRK3	09/11/2007	7.18	2.32	0.382	0.74	48.9	0.09	Clear	Very Strong (hydrogen sulfide)	None
SRK5D	24/09/2004	5.84	2.90	0.059	10.79	289	0.23	Clear	None	None
SRK5D	14/05/2005	5.41	4.11	0.053	9.40	223		Clear	None	None
SRK5D	18/08/2005	5.60	4.01	0.046	9.96	137	0.00	Clear	None	None
SRK5D	18/08/2006	5.86	2.59	0.050		151.6	0.02	Clear	None	None
SRK5M	25/09/2004	6.89	3.28	0.093	10.48	245	0.15			
SRK5M	20/10/2004	6.78	2.92	0.090	11.62	285				
SRK5M	18/03/2005	6.51	3.59	0.073	8.19			Clear	None	None
SRK5M	14/05/2005	6.39	3.88	0.088	8.97	166.5		Clear	None	None
SRK5M	18/08/2005	6.39	3.61	0.077	9.77	91	0.00	Clear	None	None
SRK5M	08/11/2005	5.85	2.56	0.095	7.10	63	0.04	Clear	None	None
SRK5M	10/03/2006	6.93	2.51	0.083	8.90	304	0.05	Clear	None	None
SRK5M	18/05/2006	6.10	2.92	0.08	10.35	221	0.02	Clear	None	None
SRK5M	17/08/2006	6.20	3.33	0.084	9.09	141.8	0.07	Clear	None	None
SRK5M	27/10/2006	6.34	3.43	0.088	8.31	266.2		Clear	None	None
SRK5M	13/03/2007	6.56	2.14	0.047	8.51	258.9	0.17	Clear	None	None
SRK5M	12/05/2007	6.42	3.37	0.048	10.15	93.4	0.01	Clear	None	None
SRK5M	18/08/2007	3.37	3.47	0.048	8.65	187.5	0.00	Clear	None	None
SRK5M	10/11/2007	6.48	2.66	0.086	7.13	136.3	0.00	Clear	None	None
SRK5S	25/09/2004	6.06	3.48	0.039	15.91	258	1.50	Clear	None	None
SRK5S	20/10/2004	5.91	3.72	0.028	14.12	292				
SRK5S	18/03/2005	5.14	2.96	0.024	12.37			Clear	None	None
SRK5S	14/05/2005	4.95	3.09	0.026	13.94	230		Clear	None	None
SRK5S	18/08/2005	5.42	4.57	0.024	12.84	101	0.00	Clear	None	None
SRK5S	08/11/2005	5.77	2.34	0.032	10.67	82	0.23	Clear	None	None
SRK5S	10/03/2006	6.69	1.84	0.029	12.60	342	0.02	Clear	None	None
SRK5S	18/05/2006	5.91	1.76	0.026	15.80	261.2	0.00	Clear	None	None
SRK5S	17/08/2006	5.89	4.59	0.028	13.39	208.9	0.00	Clear	None	None
SRK5S	27/10/2006	6.65	3.58	0.026	12.61	304.2	0.00	Clear	None	None
SRK5S	13/03/2007	5.89	1.60	0.015	11.82	203.3	0.01	Clear	None	None
SRK5S	12/05/2007	5.56	2.21	0.015	13.64	152.9		Clear	None	None
SRK5S	18/08/2007	5.54	3.17	0.015	13.93	171.7	0.04	Clear	None	None
SRK5S	07/11/2007	6.06	2.74	0.028	10.38	198.9	0.00	Clear	None	None

**Notes:**

ORP Oxidation-Reduction Potential

None Denotes that no turbidity and/or odor were observed.

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

December 2008

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>KPP4</b>																			
	03/22/05	62.7	115	91.3	3.3	0.79	57.0	0.210			0.0800		0.709	0.057	3.09	0.0013	0.0013	0.15	0.016
	05/14/05	54.7	115	70.0	1.0	5.50	55.0	0.330			0.0430		0.727	0.057	2.49	0.0013	0.0013	0.18	0.016
	08/19/05	49.4	110	62.5	0.5	2.5	53.5	0.396			0.0180		0.675	0.045	2.92	0.0013	0.0013	0.30	0.016
	11/07/05	49.3	115	62.5	2.6	2.5	61.0	0.139			0.0160		0.664	0.067	1.49	0.0013	0.0025	0.11	0.036
	03/09/06	51.1	105	43.8	2.30	3.00	60.0	0.299			0.0110		0.685	0.036	3.00	0.0013	0.0013	0.16	0.050
	05/19/06	46.7	110	83.8	0.075	2.50	54.0	0.489			0.0090		0.692	0.069	3.17	0.0013	0.0013	0.16	0.043
	08/19/06	48.9	100	87.5	0.075	1.57	54.0	0.337	0.016	0.337	0.0150	0.0155	0.725	0.075	3.18	0.0008	0.0008	0.16	0.016
	10/26/06	54.0	95.0	76.3	0.300	1.57	61.5	0.112	0.016	0.112	0.0180	0.0155	0.686	0.102	1.50	0.0008	0.0008	0.16	0.050
	03/15/07	66.9	100	72.5	9.80	3.25	58.0	0.263	0.016	0.253	0.0290	0.130	0.600	0.042	2.83	0.0008	0.0025	0.39	0.016
	05/13/07	51.5	105	62.5	1.80	3.75	53.0	0.382			0.0107		0.759	0.059	2.87	0.0008	0.0008	0.16	0.016
	08/17/07	45.3	105	70.0	0.600	5.25	52.3	0.424			0.0100		0.606	0.047	2.81	0.0008	0.0008	0.16	0.121
	11/09/07	54.0	120	67.5	0.700	1.57	60.5	0.168			0.0199		0.593	0.054	1.32	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	52.9	108	70.9	1.9	2.8	57.0	0.296	0.016	0.234	0.0230	0.0540	0.677	0.060	2.56	0.001	0.001	0.19	0.034
	<b>Median</b>	51.3	108	70.0	0.90	2.5	56.0	0.315	0.016	0.253	0.0170	0.0155	0.686	0.060	2.85	0.001	0.001	0.16	0.016
	<b>St. Deviation</b>	6.3	8	13	2.7	1.46	3	0.12	0	0.114	0.02	0.066	0.053	0.02	0.7	0.00026	0.0006	0.079	0.031
	<b># of values</b>	12	12	12	12	12	12	12	3	3	12	3	12	12	12	12	12	12	12
	<b>Minimum</b>	45.3	95.0	43.8	0.08	0.79	52.3	0.112	0.016	0.112	0.0090	0.0155	0.593	0.036	1.32	0.0008	0.0008	0.11	0.016
	<b>Maximum</b>	66.9	120	91.3	9.80	5.5	61.5	0.489	0.016	0.337	0.0800	0.130	0.759	0.102	3.18	0.0013	0.0025	0.39	0.121
	<b>% of values undetected</b>				17%	33%			100%							100%	100%	58%	75%
	<b># of values between MDL and PQL</b>				2	7					3			11				5	2
<b>MW10</b>																			
	10/21/04	17.1	60.0	42.5	0.20	7.00	20.0	0.155			0.0155		0.841	0.016	4.22	0.0013	0.0013	0.03	0.016
	03/20/05	20.1	45.0	55.0	0.075	8.75	21.0	0.120			0.0514		0.713	0.016	4.91	0.0013	0.0013	0.13	0.016
	05/12/05	19.1	44.5	53.8	0.075	7.63	17.0	0.150			0.0125		0.691	0.016	3.53	0.0013	0.0013	0.17	0.016
	08/20/05	19.1	65.0	31.3	0.075	5.13	20.0	0.097			0.0140		0.571	0.016	3.90	0.0013	0.0056	0.68	0.016
	11/06/05	16.9	55.0	32.5	0.15	5.75	21.5	0.135			0.0160		0.625	0.034	3.83	0.0013	0.0013	0.10	0.016
	03/12/06	19.6	48.0	27.5	0.075	6.50	22.0	0.185			0.0060		0.634	0.016	4.79	0.0013	0.0013	0.16	0.050
	05/23/06	18.2	48.0	40.0	0.075	7.75	20.0	0.526			0.0120		0.720	0.037	4.09	0.0013	0.0013	0.16	0.050
	08/20/06	19.0	45.5	56.3	0.075	9.00	16.0	0.134	0.016	0.134	0.0050	0.0400	0.605	0.0430	3.70	0.0008	0.0008	0.16	0.016
	10/29/06	16.5	43.0	46.3	0.075	9.50	21.0	0.198	0.016	0.189	0.0150	0.0800	0.546	0.016	3.63	0.0008	0.0008	0.16	0.117
	03/18/07	18.0	45.0	30.0	0.075	8.00	20.0	0.119	0.016	0.121	0.0140	0.0155	0.598	0.0155	4.12	0.0008	0.0008	0.16	0.016
	05/14/07	18.4	50.0	38.8	0.075	1.57	21.5	0.213			0.0097		0.725	0.035	4.04	0.0008	0.0008	0.16	0.050
	08/23/07	19.0	50.0	35.0	0.075	6.25	17.8	0.121			0.0037		0.485	0.016	3.66	0.0008	0.0008	0.16	0.016
	11/15/07	18.0	50.0	27.5	0.15	7.50	18.2	0.101			0.0186		0.566	0.016	3.86	0.0025	0.0008	0.16	0.113
	<b>Mean</b>	18.4	50.0	39.7	0.10	6.95	20.0	0.173	0.016	0.148	0.015	0.0450	0.64	0.022	4.02	0.0012	0.0014	0.18	0.039
	<b>Median</b>	18.4	48.0	38.8	0.075	7.50	20.0	0.135	0.016	0.134	0.014	0.0400	0.625	0.016	3.90	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.1	7	10.4	0.04	2.06	2	0.112	0	0.036	0.012	0.033	0.095	0.0106	0.42	0.00047	0.0013	0.155	0.037
	<b># of values</b>	13	13	13	13	13	13	13	3	3	13	3	13	13	13	13	13	13	13
	<b>Minimum</b>	16.5	43.0	27.5	0.075	1.57	16.0	0.097	0.016	0.121	0.0037	0.0155	0.485	0.016	3.53	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	20.1	65.0	56.3	0.20	9.50	22.0	0.526	0.016	0.189	0.0514	0.0800	0.841	0.043	4.91	0.0025	0.0056	0.68	0.117
	<b>% of values undetected</b>				91%	8%		8%	100%		8%	33%		69%		100%	92%	69%	85%
	<b># of values between MDL and PQL</b>				1	6		1			6	2		4				4	

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

Preliminary data. Do not cite or quote.

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>KPP4</b>																					
	03/22/05	75.1	10.2	0.0391	0.0327	0.425	0.333	9.69	6.91	0.0107	0.0015	0.0038	0.0038	2.68	2.62	0.0031	0.0031	18500	13500	1.64	0.403
	05/14/05	86.9	2.19	0.0781	0.0804	0.317	0.373	6.44	6.18	0.0053	0.0015	0.0079	0.0038	2.46		0.0031	0.0031	15200	13900	8.56	1.85
	08/19/05	44.5	3.34	0.0326	0.0278	0.250	0.250	5.37	5.04	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	13800	13900	1.46	0.935
	11/07/05	21.5	3.10	0.0224	0.0288	0.250	0.434	5.16	5.42	0.0075	0.0075	0.0016	0.0104	4.70	6.20	0.0078	0.0078	14000	14100	1.65	0.986
	03/09/06	143	1.00	0.0422	0.0248	0.155	0.155	6.79	5.35	0.0334	0.0120	0.0250	0.0250	2.57	2.03	0.0125	0.0125	14000	14800	2.27	1.07
	05/19/06	7.56	2.24	0.0428	0.0454	0.155	0.155	5.08	5.42	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	13100	15100	1.61	0.714
	08/19/06	5.43	1.00	0.0330	0.0364	0.545	0.155	5.23	5.49	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	13800	14300	2.21	0.977
	10/26/06	18.5	3.37	0.0075	0.0250	0.155	0.155	6.51	5.69	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	14900	16100	3.97	2.56
	03/15/07	9590	21.5	0.0500	0.0250	0.955	0.321	63.1	4.79	0.154	0.0125	0.0150	0.0075	2.50	1.25	0.0444	0.0075	17500	12100	5.90	0.893
	05/13/07	107	2.51	0.0406	0.0264	0.155	0.155	8.13	5.45	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	14100	13800	2.51	0.701
	08/17/07	52.2	1.00	0.0240	0.0250	0.155	0.356	5.07	4.91	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	12800	13100	1.96	0.683
	11/09/07	35.5	1.00	0.0295	0.0280	0.155	0.155	6.29	5.80	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	15400	15500	2.36	1.52
	<b>Mean</b>	850	4.40	0.0368	0.0338	0.306	0.250	11.1	5.54	0.024	0.0097	0.0080	0.0080	2.0	1.9	0.013	0.0095	14800	14200	3.01	1.11
	<b>Median</b>	50.0	2.40	0.0361	0.0279	0.203	0.203	6.40	5.44	0.013	0.012	0.0080	0.0080	1.4	1.3	0.0078	0.0076	14100	14000	2.24	0.960
	<b>St. Deviation</b>	2750	5.9	0.0173	0.0159	0.24	0.107	16.4	0.58	0.041	0.0043	0.006	0.006	1.09	1.52	0.0112	0.0051	1700	1100	2.16	0.6
	<b># of values</b>	12	12	12	12	12	12	12	12	12	12	12	12	12	11	12	12	12	12	12	12
	<b>Minimum</b>	5.43	1.00	0.0075	0.0248	0.155	0.155	5.07	4.79	0.0053	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	12800	12100	1.46	0.403
	<b>Maximum</b>	9590	21.5	0.0781	0.0804	0.955	0.434	63.1	6.91	0.154	0.0125	0.0250	0.0250	4.70	6.20	0.0444	0.0185	18500	16100	8.56	2.56
	<b>% of values undetected</b>		33%	17%	17%	67%	58%			67%	100%	92%	92%	67%	64%	92%	100%				
	<b># of values between MDL and PQL</b>			6	6	1	3			1		1		2	2	1					
<b>MW10</b>																					
	10/21/04	12.5	12.5	0.0385	0.0385	0.125	0.250	1.24	1.36	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	5510	5720	0.335	0.401
	03/20/05	1.96	0.82	0.0216	0.0208	0.395	0.359	1.55	1.48	0.0015	0.0015	0.0038	0.0038	1.62	1.56	0.0031	0.0031	6200	5020	0.263	0.170
	05/12/05	12.3	2.28	0.0100	0.0279	0.325	0.384	1.21	1.37	0.0015	0.0015	0.0038	0.0038	2.95	2.33	0.0031	0.0031	6320	4890	0.282	0.036
	08/20/05	7.85	1.00	1.04	0.0262	0.899	0.633	1.83	1.24	0.479	0.0075	0.717	0.0016	1.55	5.00	0.204	0.0078	6050	5830	1.40	0.283
	11/06/05	4.08	1.00	0.0130	0.0050	0.250	0.125	1.45	1.20	0.0075	0.0075	0.0050	0.0016	1.55	1.55	0.0078	0.0078	5350	5760	0.504	0.317
	03/12/06	4.53	1.00	0.108	0.0278	0.439	0.352	1.47	1.49	0.0120	0.0120	0.157	0.0756	4.13	2.50	0.0125	0.0125	6090	6060	1.08	0.833
	05/23/06	2.20	1.00	0.0228	0.0262	0.155	0.155	1.28	1.29	0.0120	0.0120	0.0075	0.0075	0.75	1.72	0.0125	0.0125	5730	5690	0.459	0.360
	08/20/06	1.00	1.00	0.0262	0.0208	0.348	0.552	1.33	1.37	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5990	5800	0.545	0.356
	10/29/06	2.56	1.00	0.0075	0.0075	0.155	0.450	1.23	1.26	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5350	6050	0.050	0.050
	03/18/07	3.45	1.00	0.0250	0.0250	0.318	0.346	1.23	1.21	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5680	5720	0.303	0.100
	05/14/07	2.03	1.00	0.0348	0.0224	0.155	0.155	1.32	1.23	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5780	5560	0.412	0.311
	08/23/07	2.11	1.00	0.0174	0.0234	0.155	0.155	1.33	1.42	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6090	6370	0.570	0.269
	11/15/07	1.00	1.00	0.0604	0.0222	0.155	0.155	1.41	1.41	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5770	6390	0.358	0.408
	<b>Mean</b>	4.40	2.0	0.11	0.023	0.298	0.313	1.38	1.33	0.046	0.0096	0.13	0.070	1.7	1.8	0.025	0.0099	5840	5760	0.500	0.3
	<b>Median</b>	2.56	1.0	0.025	0.023	0.25	0.346	1.33	1.36	0.0125	0.012	0.0075	0.0075	1.3	1.6	0.0078	0.0078	5780	5760	0.41	0.311
	<b>St. Deviation</b>	4	3	0.28	0.0086	0.21	0.165	0.17	0.1	0.13	0.0041	0.27	0.21	0.9	1.04	0.054	0.0051	310	440	0.36	0.205
	<b># of values</b>	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	<b>Minimum</b>	1.00	0.817	0.0075	0.0050	0.125	0.125	1.21	1.20	0.0015	0.0015	0.0038	0.0016	0.75	1.25	0.0031	0.0031	5350	4890	0.050	0.036
	<b>Maximum</b>	12.5	12.5	1.04	0.0385	0.899	0.633	1.83	1.49	0.479	0.0125	0.750	0.750	4.13	5.00	0.204	0.0185	6320	6390	1.40	0.833
	<b>% of values undetected</b>	23%	85%	31%	31%	54%	46%			92%	100%	85%	92%	77%	77%	92%	100%			8%	23%
	<b># of values between MDL and PQL</b>			4	6	3	3							1	1						1

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Dissolved µg/L
<b>KPP4</b>																								
	03/22/05	0.215	0.202	0.316	0.101	37.2	2.86	0.142	0.0324	4000	3270	3.39	1.96	0.100	0.0315	0.338		0.784	0.560	341	316	0.0515	0.0468	5630
	05/14/05	0.0849	0.0444	0.319	0.117	59.5	11.3	0.146	0.146	4070	3250	2.71	1.95	0.0315	0.0315	0.405	0.405	3.80	2.40	319	324	0.0342	0.0351	6480
	08/19/05	0.0706	0.0568	0.324	0.194	48.7	13.1	0.0556	0.0712	3640	3600	2.15	1.53	0.0310	0.0310	0.270	0.239	1.72	1.45	322	330	0.0775	0.0775	7060
	11/07/05	0.0480	0.0408	0.214	0.165	16.3	10.9	0.371	0.0155	3500	3960	1.60	1.35	0.0310	0.0310	0.274	0.308	1.16	1.00	338	372	0.0775	0.0775	6690
	03/09/06	0.104	0.0438	0.292	0.167	95.3	10.0	1.19	0.0130	3940	4050	4.11	0.787	0.000475	0.000475	0.335	0.218	1.48	1.08	324	380	0.155	0.155	5400
	05/19/06	0.0514	0.0510	0.334	0.163	11.9	6.55	0.0432	0.0262	3430	3990	0.727	0.531	0.000475	0.000475	0.213	0.249	1.18	1.06	296	353	0.155	0.155	6680
	08/19/06	0.0522	0.0500	0.308	0.217	6.22	3.10	0.050	0.050	3500	3540	0.664	0.497	0.000475	0.000475	0.245	0.244	1.22	1.03	313	323	0.155	0.155	6430
	10/26/06	0.0564	0.0536	0.272	0.230	40.6	23.1	0.050	0.050	4090	4230	1.04	0.543	0.000991	0.000475	0.403	0.434	1.93	1.85	362	376	0.155	0.155	6630
	03/15/07	3.62	0.0582	4.74	0.382	7360	53.4	1.78	0.050	5660	2970	173	1.14	0.000169	0.000475	0.141		5.05	1.99	562	265	0.310	0.155	4970
	05/13/07	0.166	0.0364	15.7	3.07	140	37.9	0.191	0.050	3940	3770	7.45	0.441	0.000169	0.000475	0.249	0.258	1.91	1.38	339	322	0.155	0.155	6560
	08/17/07	0.0486	0.0314	27.6	5.81	55.1	10.0	0.0155	0.0155	3280	3420	1.17	0.249	0.000169	0.000475	0.234	0.243	1.03	0.917	293	296	0.155	0.155	6580
	11/09/07	0.0580	0.0316	8.76	2.44	80.0	43.8	0.0155	0.0155	3790	3890	1.28	0.263	0.000169	0.000475	0.317	0.342	1.46	1.25	363	352	0.155	0.155	6400
	Mean	0.380	0.0580	4.90	1.09	660	18.8	0.34	0.045	3900	3660	17.0	0.940	0.0160	0.0107	0.285	0.294	1.89	1.33	348	334	0.136	0.123	6290
	Median	0.0600	0.0470	0.300	0.210	50.0	11.1	0.10	0.041	3870	3690	2.00	0.670	0	0.000500	0.272	0.254	1.47	1.17	331	327	0.155	0.155	6520
	St. Deviation	1.02	0.046	8.6	1.79	2110	17	0.56	0.037	620	380	49	0.63	0.03	0.0152	0.078	0.076	1.26	0.52	71	34	0.072	0.048	620
	# of values	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	10	12	12	12	12	12	12	12
	Minimum	0.0480	0.0314	0.214	0.101	6.22	2.86	0.0155	0.0130	3280	2970	0.664	0.249	0.000169	0.000475	0.141	0.218	0.784	0.560	293	265	0.0342	0.0351	4970
	Maximum	3.62	0.202	27.6	5.81	7360	53.4	1.78	0.146	5660	4230	173	1.96	0.100	0.0315	0.405	0.434	5.05	2.40	562	380	0.310	0.155	7060
	% of values undetected						25%	33%	67%					92%	100%							83%	83%	
	# of values between MDL and PQL					3	4	2	3					1								2	2	
<b>MW10</b>																								
	10/21/04	0.0500	0.0500	0.460	0.607	3.10	3.10	0.050	0.137	821	919	0.500	0.500	0.100	0.100	0.155	0.155	0.394	0.509	569	610	0.155	0.155	6110
	03/20/05	0.0136	0.0142	6.02	0.353	1.33	1.33	0.011	0.0344	1110	890	0.138	0.117	0.0315	0.0315	0.614	0.256	0.295	0.160	573	545	0.130	0.126	5300
	05/12/05	0.0101	0.0134	0.716	0.292	7.68	1.33	0.106	0.035	816	878	0.204	0.129	0.0315	0.0315	0.135	0.179	0.112	0.201	507	547	0.112	0.109	5890
	08/20/05	0.329	0.0392	11.0	1.32	10.5	3.10	0.908	0.122	962	965	3.51	0.100	0.0310	0.0310	0.859	0.223	1.14	1.11	722	585	0.286	0.0775	6440
	11/06/05	0.0288	0.0184	0.533	0.443	3.10	3.10	0.050	0.119	858	915	0.100	0.100	0.0310	0.0310	0.187	0.0788	0.475	0.443	533	575	0.0775	0.0775	7020
	03/12/06	0.0336	0.0156	0.490	0.489	10.000	10.0	0.125		1060	1100	0.272	0.105	0.000475	0.000475	0.684	0.133	0.366	0.354	595	612	0.329	0.155	6780
	05/23/06	0.0230	0.0218	0.406	0.406	3.10	3.10	0.0130		937	940	0.331	0.101	0.000475	0.000475	0.128	0.104	0.298	0.353	568	565	0.155	0.155	6190
	08/20/06	0.0280	0.0310	1.06	0.501	3.10	3.10	0.205	0.105	982	968	0.108	0.0992	0.000475	0.000475	0.116	0.148	0.296	0.356	568	577	0.155	0.155	6140
	10/29/06	0.0158	0.0198	0.484	0.479	10.0	10.0	0.0155	0.050	761	856	0.135	0.0726	0.000475	0.000475	0.180	0.159	0.294	0.420	513	587	0.155	0.155	5530
	03/18/07	0.0100	0.0100	0.394	0.377	3.10	3.10	0.050	0.050	930	940	0.152	0.0622	0.00215	0.000475	0.165	0.173	0.314	0.247	561	554	0.155	0.155	6060
	05/14/07	0.0100	0.0100	0.407	0.393	10.0	10.0	0.0155	0.050	971	950	0.0792	0.0946	0.000169	0.000475	0.173	0.152	0.391	0.285	554	523	0.155	0.155	5720
	08/23/07	0.0144	0.0144	0.422	0.489	10.0	3.10	0.050	0.050	920	945	0.0892	0.100	0.000169	0.000475	0.159	0.182	0.224	0.232	581	613	0.155	0.155	6350
	11/15/07	0.0144	0.0050	0.392	0.382	17.0	7.18	0.0155	0.0155	877	994	0.135	0.0250	0.000169	0.000971	0.173	0.184	0.342	0.269	581	641	0.155	0.155	7030
	Mean	0.0450	0.0202	1.80	0.500	7.00	5.00	0.12	0.07	920	940	0.440	0.124	0.0180	0.0180	0.287	0.164	0.380	0.380	571	580	0.167	0.137	6200
	Median	0.0158	0.0156	0.484	0.443	7.7	3.10	0.050	0.050	930	940	0.138	0.100	0.000475	0.000475	0.173	0.159	0.314	0.353	568	577	0.155	0.155	6140
	St. Deviation	0.086	0.0127	3.2	0.26	5	3	0.242	0.042	100	60	0.93	0.116	0.029	0.029	0.253	0.046	0.24	0.24	52	33	0.067	0.03	530
	# of values	13	13	13	13	13	13	13	11	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	Minimum	0.0100	0.0050	0.392	0.292	1.33	1.33	0.011	0.0155	761	856	0.079	0.025	0.000169	0.000475	0.116	0.0788	0.112	0.160	507	523	0.0775	0.0775	5300
	Maximum	0.329	0.0500	11.0	1.32	17.0	10.0	0.908	0.137	1110	1100	3.51	0.500	0.100	0.100	0.859	0.256	1.14	1.11	722	641	0.329	0.155	7030
	% of values undetected	23%	31%			77%	92%	69%	55%				15%	31%	100%	92%	8%	8%					69%	85%
	# of values between MDL and PQL	5	5			3	1		2					1	1							2		

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>KPP4</b>													
	03/22/05	0.0014	0.0014	3490	2850	0.0112	0.0021	0.0701	0.0302	1.15	1.01	3.74	3.22
	05/14/05	0.0014	0.0014	3310	2730	0.0021	0.0021	0.152	0.0302	1.10	0.975	0.235	0.50
	08/19/05	0.0031	0.0031	3170	3130	0.0031	0.0031	0.031	0.031	1.26	1.10	0.75	0.75
	11/07/05	0.0031	0.0031	3520	3990	0.0031	0.0031	0.031	0.031	1.19	1.44	0.75	0.75
	03/09/06	0.0031	0.0031	3280	3250	0.0162	0.0025	0.0155	0.0155	0.899	0.110	2.35	
	05/19/06	0.0031	0.0031	2880	3430	0.0025	0.0025	0.0155	0.0155	1.05	1.14	0.554	0.583
	08/19/06	0.0031	0.0031	3150	3210	0.0050	0.0050	0.050	0.050	0.977	1.04	0.50	1.18
	10/26/06	0.0031	0.0031	3990	3850	0.0050	0.0050	0.050	0.050	0.968	0.694	0.155	0.50
	03/15/07	0.0062	0.0031	4100	2460	0.0100	0.0050	0.100	0.050	15.4	1.03	12.9	1.65
	05/13/07	0.0031	0.0031	3330	3260	0.0050	0.0050	0.282	0.050	0.793	0.526	1.01	0.50
	08/17/07	0.0031	0.0031	2900	3020	0.0050	0.0050	0.453	0.050	0.994	0.991	0.50	0.50
	11/09/07	0.0031	0.0031	3370	3480	0.0050	0.0050	0.050	0.050	1.37	1.16	0.50	1.63
	<b>Mean</b>	0.0031	0.0028	3370	3220	0.0060	0.0038	0.11	0.038	2.30	0.930	2.0	1.1
	<b>Median</b>	0.0031	0.0031	3320	3230	0.0050	0.0041	0.050	0.041	1.10	1.02	0.70	0.75
	<b>St. Deviation</b>	0.0012	0.0006	370	440	0.004	0.0013	0.132	0.014	4.1	0.35	3.6	0.84
	<b># of values</b>	12	12	12	12	12	12	12	12	12	12	12	11
	<b>Minimum</b>	0.0014	0.0014	2880	2460	0.0021	0.0021	0.0155	0.0155	0.793	0.110	0.155	0.50
	<b>Maximum</b>	0.0062	0.0031	4100	3990	0.0162	0.0050	0.453	0.050	15.4	1.44	12.9	3.22
	<b>% of values undetected</b>	100%	100%			83%	100%	67%	100%		8%	58%	55%
	<b># of values between MDL and PQL</b>							2		4	3		
<b>MW10</b>													
	10/21/04	0.0031	0.0031	2100	2250	0.0125	0.0125	0.155	0.155	0.431	0.548	0.235	1.88
	03/20/05	0.0014	0.0014	2180	1710	0.0050	0.0021	0.0302	0.0302	0.566	0.522	2.06	0.235
	05/12/05	0.0014	0.0014	2180	1750	0.0021	0.0021	0.0302	0.0302	0.498	0.476	0.235	0.235
	08/20/05	0.0274	0.0031	2270	2250	0.0844	0.0066	0.681	0.031	1.27	0.469	4.38	0.75
	11/06/05	0.0031	0.0031	1980	2170	0.0031	0.0031	0.031	0.031	0.200	0.679	0.75	1.67
	03/12/06	0.0031	0.0031	2370	2470	0.0202	0.0025	0.240	0.0155	0.250	0.336	2.69	3.12
	05/23/06	0.0031	0.0031	2150	2210	0.0025	0.0025	0.0155	0.0155	0.608	0.482	0.564	
	08/20/06	0.0031	0.0031	2200	2170	0.0050	0.0050	0.050	0.050	0.538	0.250	0.50	1.69
	10/29/06	0.0031	0.0031	1760	1980	0.0050	0.0050	0.050	0.050	0.679	1.05	0.50	0.50
	03/18/07	0.0031	0.0031	2110	2120	0.0050	0.0050	0.050	0.050	0.595	0.697	1.61	1.22
	05/14/07	0.0031	0.0031	2160	2120	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	08/23/07	0.0031	0.0031	2130	2340	0.0050	0.0050	0.050	0.050	0.410	0.155	1.39	1.04
	11/15/07	0.0031	0.0031	2020		0.0050	0.0050	0.050	0.050	0.563	0.441	0.50	
	<b>Mean</b>	0.0050	0.0028	2120	2130	0.012	0.0050	0.11	0.050	0.520	0.480	1.2	1.2
	<b>Median</b>	0.0031	0.0031	2150	2170	0.0050	0.0050	0.050	0.05	0.538	0.476	0.56	1.0
	<b>St. Deviation</b>	0.007	0.0006	150	220	0.022	0.003	0.18	0.04	0.28	0.24	1.21	0.88
	<b># of values</b>	13	13	13	12	13	13	13	13	13	13	13	11
	<b>Minimum</b>	0.0014	0.0014	1760	1710	0.0021	0.0021	0.0155	0.0155	0.155	0.155	0.235	0.235
	<b>Maximum</b>	0.0274	0.0031	2370	2470	0.0844	0.0125	0.681	0.155	1.27	1.05	4.38	3.12
	<b>% of values undetected</b>	92%	100%			85%	92%	82%	100%	27%	18%	55%	45%
	<b># of values between MDL and PQL</b>							1		3	3		



**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW11D</b>																			
	10/21/04	18.8	60.0	32.5	0.316	9.5	16.5	0.155			0.0400		1.04	0.016	6.97	0.0013	0.0013	0.14	0.016
	03/21/05	21.2	60.0	53.8	0.075	16.5	17.0	0.250			0.0971		0.758	0.016	7.69	0.0013	0.0013	0.12	0.016
	05/13/05	22.8	60.0	35.0	0.075	13.4	16.0	0.270			0.0290		0.731	0.016	6.60	0.0013	0.0013	0.21	0.016
	08/16/05	20.5	60.0	40.0	0.147	7.13	16.5	0.225			0.0160		0.724	0.016	6.60	0.0013	0.0013	0.29	0.016
	11/10/05	19.5	50.0	56.3	0.075	10.6	16.0	0.257			0.0200		0.726	0.016	6.81	0.0013	0.0013	0.11	0.061
	03/22/06	19.9	60.0	23.7	0.075	11.5	20.0	0.214			0.0130		0.694	0.016	7.07	0.0013	0.0013	0.16	0.016
	05/21/06	21.7	60.0	58.7	0.075	5.50	22.0	0.861			0.0115		0.697	0.016	6.61	0.0027	0.0013	0.16	0.050
	08/21/06	21.1	50.0	55.0	0.250	12.3	16.0	0.271	0.016	0.243	0.0220	0.0600	0.720	0.052	6.55	0.0008	0.0008	0.16	0.016
	11/01/06	18.9	50.0	42.5	0.075	13.5	16.0	0.300	0.016	0.293	0.0160	0.100	0.761	0.016	6.08	0.0008	0.0008	0.16	0.077
	03/22/07	20.7	50.0	51.3	0.075	7.00	20.0	0.210	0.016	0.192	0.0460	0.0155	0.752	0.034	6.21	0.0008	0.0008	0.16	0.016
	05/10/07	21.4	55.0	37.5	0.075	1.57	22.5	0.284			0.0127		0.765	0.037	6.07	0.0008	0.0008	0.16	0.016
	08/21/07	19.6	55.0	41.3	0.075	12.5	20.0	0.235			0.0101		0.648	0.016	5.73	0.0008	0.0008	0.16	0.064
	11/11/07	20.8	50.0	1.55	0.076	8.00	15.8	0.244			0.0204		0.608	0.016	5.93	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	20.5	55.0	40.7	0.11	9.9	18.0	0.290	0.016	0.243	0.0270	0.0600	0.740	0.021	6.53	0.0011	0.0010	0.16	0.030
	<b>Median</b>	20.7	55.0	41.3	0.075	10.6	16.5	0.250	0.016	0.243	0.0200	0.0600	0.726	0.016	6.60	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.2	5	15.8	0.08	4	2	0.175	0	0.051	0.024	0.04	0.1	0.0119	0.54	0.0005	0.00026	0.045	0.0234
	<b># of values</b>	13	13	13	13	13	13	13	3	3	13	3	13	13	13	13	13	13	13
	<b>Minimum</b>	18.8	50.0	1.55	0.075	1.57	15.8	0.155	0.016	0.192	0.0101	0.0155	0.608	0.016	5.73	0.0008	0.0008	0.11	0.016
	<b>Maximum</b>	22.8	60.0	58.7	0.316	16.5	22.5	0.861	0.016	0.293	0.0971	0.1	1.04	0.052	7.69	0.0027	0.0013	0.29	0.077
	<b>% of values undetected</b>			8%	92%	8%		8%	100%			33%		77%		92%	100%	62%	77%
	<b># of values between MDL and PQL</b>				1	3					2	1		3		1		5	3
<b>MW11M</b>																			
	10/21/04	15.5	44.0	37.5	0.075	12.0	5.00	0.155			0.0155		0.840	0.016	6.28	0.0030	0.0013	0.15	0.016
	03/21/05	18.3	44.0	37.5	0.075	6.50	15.0	0.150			0.0471		0.779	0.016	6.29	0.0013	0.0013	0.08	0.016
	05/13/05	20.1	48.0	35.0	0.075	14.0	14.0	0.340			0.197		0.804	0.016	5.88	0.0013	0.0013	0.22	0.016
	08/16/05	16.5	43.0	38.8	0.15	7.75	13.5	0.286			0.0130		0.732	0.016	5.71	0.0013	0.0030	0.24	0.043
	11/11/05	14.6	44.0	40.0	0.075	8.13	12.5	0.239			0.0140		0.650	0.016	5.76	0.0013	0.0013	0.13	0.016
	03/22/06	16.7	20.0	36.2	0.075	11.5	13.0	0.131			0.0080		0.675	0.016	5.74	0.0013	0.0013	0.16	0.016
	05/21/06	17.9	46.0	45.0	0.075	7.75	14.0	0.829			0.0065		0.666	0.016	5.56	0.0013	0.0013	0.16	0.016
	08/21/06	17.2	46.0	47.5	0.075	7.50	13.0	0.253	0.050	0.212	0.0050	0.0700	0.898	0.038	6.03	0.0008	0.0008	0.16	0.016
	11/01/06	15.1	42.5	26.3	0.075	12.3	12.0	0.204	0.016	0.200	0.0170	0.130	0.745	0.016	5.08	0.0008	0.0008	0.16	0.056
	03/22/07	15.9	41.0	40.0	0.400	6.00	14.0	0.167	0.016	0.150	0.0170	0.0600	0.808	0.034	4.80	0.0008	0.0008	0.16	0.016
	05/10/07	15.2	44.0	28.7	0.075	6.00	13.0	0.187			0.0086		0.788	0.035	4.74	0.0008	0.0008	0.16	0.016
	08/21/07	15.5	46.0	36.3	0.075	6.00	1.55	0.244			0.0042		0.656	0.016	4.89	0.0008	0.0008	0.16	0.070
	11/11/07	17.2	43.5	38.8	0.076	8.75	13.1	0.213			0.0182		0.579	0.016	5.19	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	16.6	42.0	37.5	0.11	9.00	12.0	0.261	0.027	0.190	0.030	0.0900	0.740	0.020	5.53	0.0012	0.0012	0.16	0.025
	<b>Median</b>	16.5	44.0	37.5	0.075	7.75	13.0	0.213	0.016	0.200	0.014	0.0700	0.745	0.016	5.71	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.5	7	5.7	0.09	3	4	0.18	0.02	0.03	0.05	0.04	0.091	0.0089	0.54	0.0006	0.0006	0.038	0.0187
	<b># of values</b>	13	13	13	13	13	13	13	3	3	13	3	13	13	13	13	13	13	13
	<b>Minimum</b>	14.6	20.0	26.3	0.075	6.00	1.55	0.131	0.016	0.150	0.0042	0.0600	0.579	0.016	4.74	0.0008	0.0008	0.08	0.016
	<b>Maximum</b>	20.1	48.0	47.5	0.4	14.0	15.0	0.829	0.05	0.212	0.197	0.13	0.898	0.038	6.29	0.0030	0.0030	0.24	0.070
	<b>% of values undetected</b>				92%		8%	8%	100%		8%			77%		92%	92%	62%	77%
	<b># of values between MDL and PQL</b>				1	5	1				7	2		3		1	1	5	3

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW11D</b>																					
	10/21/04	12.5	12.5	0.0385	0.0385	0.250	0.250	1.97	1.96	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	5620	5490	0.544	0.157
	03/21/05	1.91	0.85	0.0270	0.0272	0.282	0.270	2.23	2.21	0.0015	0.0015	0.0038	0.0038	1.59	1.47	0.0031	0.0031	6150	5090	1.06	0.255
	05/13/05	10.4	1.90	0.0222	0.0335	0.272	0.294	1.90	2.18	0.0015	0.0015	0.0038	0.0038	1.51		0.0031	0.0031	6890	5270	0.798	0.036
	08/16/05	6.63	3.08	0.0016		0.25	0.125	2.09	1.87	0.0075	0.0075	0.0016	0.0016	5.00	1.55	0.0078	0.0078	6120	5760	1.51	0.031
	11/10/05	2.83	1.00	0.0310	0.0220	0.125	0.125	1.99	1.88	0.0075	0.0075	0.0126	0.0122	1.55	4.10	0.0078	0.0078	5840	5810	0.908	0.452
	03/22/06	1.00	1.00	0.0278	0.0274	0.155	0.155	2.22	2.32	0.0120	0.0120	0.0250	0.0250	0.75	0.75	0.0125	0.0125	6090	5610	0.923	0.431
	05/21/06	1.00	1.00	0.0358	0.0338	0.155	0.434	2.05	2.15	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	6450	6610	1.13	0.668
	08/21/06	5.14	3.48	0.0692	0.0350	0.359	0.155	2.12	2.19	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	6280	6220	0.630	0.375
	11/01/06	5.84	1.00	0.0075	0.0075	0.155	0.155	1.88	1.85	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5610	5540	0.050	0.050
	03/22/07	2.83		0.0250	0.0250	0.155	0.155	2.07	2.12	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6100	6030	0.340	0.100
	05/10/07	1.00	1.00	0.0350	0.0316	0.326	0.356	2.10	1.97	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6270	5800	0.565	0.210
	08/21/07	2.43	1.00	0.0300	0.0312	0.155	0.342	1.96	1.97	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5900	6120	0.467	0.384
	11/11/07	7.71	0.31	0.0272	0.0358	0.155	0.155	2.07	1.88	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0158	6300	5500	0.749	0.590
	<b>Mean</b>	4.70	2.0	0.0291	0.029	0.215	0.229	2.05	2.04	0.0096	0.0096	0.070	0.070	1.6	1.5	0.0099	0.011	6120	5760	0.740	0.29
	<b>Median</b>	2.83	1.0	0.0278	0.0314	0.155	0.155	2.07	1.97	0.012	0.012	0.0075	0.0075	1.3	1.3	0.0078	0.0078	6120	5760	0.75	0.26
	<b>St. Deviation</b>	3.7	3	0.016	0.0083	0.078	0.103	0.11	0.16	0.0041	0.0041	0.21	0.21	1.07	0.87	0.0051	0.0053	340	410	0.38	0.213
	<b># of values</b>	13	12	13	12	13	13	13	13	13	13	13	13	13	12	13	13	13	13	13	13
	<b>Minimum</b>	1	0.31	0.0016	0.0075	0.125	0.125	1.88	1.85	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	5610	5090	0.050	0.031
	<b>Maximum</b>	12.5	12.5	0.0692	0.0385	0.359	0.434	2.23	2.32	0.0125	0.0125	0.750	0.750	5.00	4.10	0.0185	0.0185	6890	6610	1.51	0.668
	<b>% of values undetected</b>	31%	67%	31%	25%	69%	62%			100%	100%	92%	92%	85%	83%	100%	92%			8%	31%
	<b># of values between MDL and PQL</b>			5	6	2	3								1		1				1
<b>MW11M</b>																					
	10/21/04	12.5	12.5	0.0811	0.0385	0.125	0.125	2.20	2.28	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	4630	4710	0.343	0.109
	03/21/05	2.34	1.13	0.0292	0.0251	0.211	0.189	3.00	2.85	0.0030	0.0015	0.0038	0.0038	1.53	1.32	0.0031	0.0031	5370	4250	2.10	0.375
	05/13/05	2.25	1.64	0.0100	0.0202	0.202	0.201	2.47	2.80	0.0015	0.0015	0.0038	0.0038	1.37		0.0031	0.0031	6190	4760	1.40	0.374
	08/16/05	2.69	2.76	0.0016		0.250	0.125	2.50	2.54	0.0075	0.0075	0.0046	0.0016	1.55	1.55	0.0078	0.0078	4910	4680	1.76	0.031
	11/11/05	1.00	2.09	0.0050	0.0182	0.125	0.125	2.10	2.39	0.0075	0.0075	0.0050	0.0016	1.55	4.50	0.0078	0.0078	4390	4500	0.656	0.211
	03/22/06	3.22	3.06	0.0298	0.0280	0.155	0.155	2.80	2.69	0.0120	0.0120	0.0250	0.0250	0.75	0.75	0.0125	0.0125	5100	5280	0.757	0.282
	05/21/06	1.00	1.00	0.0302	0.0266	0.427	0.155	2.72	2.63	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	5390	5300	1.57	0.672
	08/21/06	3.35	3.04	0.0270	0.0260	0.155	0.311	2.81	2.81	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5160	5560	0.851	0.447
	11/01/06	7.50	1.00	0.0075	0.0075	0.708	0.437	2.44	2.18	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4480	4430	0.139	0.050
	03/22/07	24.9	1.00	0.0250	0.0250	0.155	0.155	2.87	2.40	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4720	4750	0.676	0.352
	05/10/07	1.00	1.00	0.0320	0.0312	0.155	0.155	2.33	2.38	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4510	4590	0.554	0.100
	08/21/07	1.00	1.00	0.0260	0.0204	0.155	0.155	2.57	2.40	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4780	4790	0.050	0.274
	11/11/07	1.00	0.31	0.0184	0.0268	0.155	0.155	2.51	2.50	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5240	4950	0.318	0.479
	<b>Mean</b>	4.90	2.4	0.025	0.0245	0.229	0.188	2.56	2.53	0.0097	0.0096	0.060	0.060	1.3	1.5	0.0099	0.0099	4990	4810	0.86	0.289
	<b>Median</b>	2.34	1.1	0.026	0.026	0.155	0.155	2.51	2.5	0.012	0.012	0.0075	0.0075	1.3	1.3	0.0078	0.0078	4910	4750	0.68	0.282
	<b>St. Deviation</b>	6.9	3.2	0.02	0.0076	0.164	0.089	0.27	0.21	0.0039	0.0041	0.21	0.21	0.27	0.98	0.0051	0.0051	500	370	0.65	0.188
	<b># of values</b>	13	13	13	12	13	13	13	13	13	13	13	13	13	12	13	13	13	13	13	13
	<b>Minimum</b>	1	0.31	0.0016	0.0075	0.125	0.125	2.10	2.18	0.0015	0.0015	0.0038	0.0016	0.75	0.75	0.0031	0.0031	4390	4250	0.050	0.031
	<b>Maximum</b>	24.9	12.5	0.0811	0.0385	0.708	0.437	3.00	2.85	0.0125	0.0125	0.750	0.750	1.55	4.50	0.0185	0.0185	6190	5560	2.10	0.672
	<b>% of values undetected</b>	46%	54%	38%	25%	69%	69%			92%	100%	92%	100%	85%	83%	100%	100%			8%	23%
	<b># of values between MDL and PQL</b>			7	6	1	2			1		1			1					1	1



**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW11D</b>													
	10/21/04	0.0031	0.0031	2360	2410	0.0125	0.0125	0.155	0.155	0.125	0.200	0.235	0.235
	03/21/05	0.0014	0.0014	2480	2000	0.0050	0.0021	0.215	0.0302	0.277	0.225	0.235	0.584
	05/13/05	0.0014	0.0014	2530	2040	0.0021	0.0021	0.0302	0.0302	0.236	0.243	0.50	0.235
	08/16/05	0.0031	0.0031	2640	2530	0.0031	0.0031	0.031	0.031	0.233	0.326	0.75	0.75
	11/10/05	0.0031	0.0031	2560	2580	0.0031	0.0031	0.031	0.031	0.100	0.100	0.75	0.75
	03/22/06	0.0031	0.0031	2400	2180	0.0025	0.0025	0.050	0.050	0.110	0.110	0.859	1.09
	05/21/06	0.0031	0.0031	2850	3010	0.0066	0.0025	0.0155	0.0155	0.110	0.278	0.250	
	08/21/06	0.0031	0.0031	2690	2690	0.0050	0.0050	0.050	0.050	0.250	0.250	2.05	
	11/01/06	0.0031	0.0031	2430	2380	0.0050	0.0050	0.050	0.050	0.821	1.05	0.155	0.155
	03/22/07	0.0031	0.0031	2760	2730	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	1.85
	05/10/07	0.0031	0.0031	2900	2710	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	08/21/07	0.0031	0.0031	2700	2750	0.0050	0.0050	0.050	0.050	0.155	0.155	13.4	1.57
	11/11/07	0.0031	0.0031	2810	2340	0.0050	0.0050	0.050	0.050	0.155	0.155	1.15	0.50
	<b>Mean</b>	0.0028	0.0028	2620	2490	0.0050	0.0040	0.060	0.050	0.222	0.260	1.6	0.75
	<b>Median</b>	0.0031	0.0031	2640	2530	0.0050	0.0050	0.050	0.050	0.155	0.200	0.50	0.584
	<b>St. Deviation</b>	0.0006	0.0006	180	300	0.003	0.003	0.06	0.03	0.189	0.25	3.6	0.55
	<b># of values</b>	13	13	13	13	13	13	13	13	13	13	13	11
	<b>Minimum</b>	0.0014	0.0014	2360	2000	0.0021	0.0021	0.0155	0.0155	0.100	0.100	0.155	0.155
	<b>Maximum</b>	0.0031	0.0031	2900	3010	0.0125	0.0125	0.215	0.155	0.821	1.05	13.4	1.85
	<b>% of values undetected</b>	100%	100%			92%	100%	92%	100%	69%	62%	69%	64%
	<b># of values between MDL and PQL</b>					1				2	2		1
<b>MW11M</b>													
	10/21/04	0.0031	0.0031	2080	2150	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.235
	03/21/05	0.0014	0.0014	2150	1740	0.0050	0.0021	0.0302	0.0802	0.103	0.0571	0.708	0.965
	05/13/05	0.0014	0.0014	2250	1780	0.0021	0.0075	0.0302	0.0302	0.0804	0.0300	0.235	0.50
	08/16/05	0.0031	0.0031	2240	2230	0.0031	0.0031	0.031	0.031	0.100	0.335	0.75	0.233
	11/11/05	0.0031	0.0031	1870	2100	0.0031	0.0031	0.031	0.031	0.200	0.319	0.75	0.75
	03/22/06	0.0031	0.0031	2120	2080	0.0025	0.0025	0.131	0.050	0.110	0.110	1.92	1.80
	05/21/06	0.0031	0.0031	2340	2160	0.0120	0.0025	0.0155	0.0155	0.110	0.110	0.740	0.558
	08/21/06	0.0031	0.0031	2270	2370	0.0050	0.0050	0.050	0.050	0.250	0.250	1.58	1.25
	11/01/06	0.0031	0.0031	2080	2030	0.0160	0.0050	0.050	0.050	0.959	1.06	0.155	0.155
	03/22/07	0.0031	0.0031	2250	2250	0.0050	0.0050	0.050	0.050	0.155	0.155	1.54	1.01
	05/10/07	0.0031	0.0031	2140	2220	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	08/21/07	0.0031	0.0031	2030	2120	0.0050	0.0050	0.050	0.050	0.155	0.155	1.95	2.48
	11/11/07	0.0031	0.0031	2330	2140	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	1.06
	<b>Mean</b>	0.0028	0.0028	2170	2110	0.0060	0.0050	0.060	0.050	0.204	0.230	0.89	0.88
	<b>Median</b>	0.0031	0.0031	2150	2140	0.0050	0.0050	0.050	0.050	0.155	0.155	0.74	0.75
	<b>St. Deviation</b>	0.0006	0.0006	130	180	0.004	0.003	0.04	0.03	0.231	0.26	0.64	0.67
	<b># of values</b>	13	13	13	13	13	13	13	13	13	13	13	13
	<b>Minimum</b>	0.0014	0.0014	1870	1740	0.0021	0.0021	0.0155	0.0155	0.0804	0.0300	0.155	0.155
	<b>Maximum</b>	0.0031	0.0031	2340	2370	0.016	0.0125	0.155	0.155	0.959	1.06	1.95	2.48
	<b>% of values undetected</b>	100%	100%			85%	92%	92%	92%	77%	62%	54%	46%
	<b># of values between MDL and PQL</b>					1	1			1	2	1	1

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**December 2008**

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW11S</b>																			
	10/21/04	19.0	55.0	16.3	3.89	8.8	16.0	0.155			0.0500		0.927	0.016	7.82	0.0013	0.0013	0.16	0.016
	03/21/05	20.8	47.0	48.8	0.20	6.80	16.0	0.160			0.0650		0.751	0.016	6.24	0.0013	0.0013	0.08	0.016
	05/13/05	21.5	55.0	45.0	0.075	9.75	15.0	0.230			0.0525		0.753	0.016	5.90	0.0013	0.0013	0.03	0.016
	08/16/05	19.5	48.5	37.5	0.40	7.00	15.5	0.232			0.0170		0.724	0.016	5.68	0.0013	0.0050	0.26	0.036
	11/11/05	17.6	48.0	52.5	0.30	8.25	16.0	0.181			0.0170		0.670	0.016	5.36	0.0013	0.0013	0.11	0.016
	03/22/06	19.7	49.0	37.5	4.50	10.3	17.0	0.255			0.0130		0.673	0.016	5.78	0.0013	0.0013	0.16	0.016
	08/21/06	18.7	49.0	57.5	0.075	8.25	15.0	0.193	0.016	0.190	0.0050	0.0900	0.846	0.039	5.74	0.0008	0.0008	0.16	0.040
	11/01/06	16.5	46.5	32.5	0.075	10.0	20.0	0.162	0.016	0.134	0.0150	0.130	0.694	0.016	4.67	0.0008	0.0008	0.16	0.094
	03/22/07	18.2	46.0	36.3	0.800	3.75	20.0	0.157	0.016	0.140	0.0160	0.0400	0.813	0.033	4.66	0.0008	0.0008	0.16	0.016
	08/21/07	16.2	47.5	36.3	0.075	4.50	13.8	0.241			0.0016		0.678	0.016	4.76	0.0008	0.0008	0.16	0.073
	11/11/07	16.9	46.0	33.8	0.0755	7.75	15.2	0.185			0.0164		0.633	0.016	4.61	0.0008	0.0026	0.16	0.047
	<b>Mean</b>	18.6	49.0	39.5	1.0	7.7	16.0	0.196	0.016	0.150	0.0240	0.0900	0.742	0.019	5.57	0.0010	0.0015	0.14	0.035
	<b>Median</b>	18.7	48.0	37.5	0.20	8.25	16.0	0.185	0.016	0.140	0.0164	0.0900	0.724	0.016	5.68	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.7	3	11.2	1.6	2.1	2	0.037	0	0.03	0.021	0.05	0.089	0.0084	0.95	0.00026	0.0013	0.057	0.0272
	<b># of values</b>	11	11	11	11	11	11	11	3	3	11	3	11	11	11	11	11	11	11
	<b>Minimum</b>	16.2	46.0	16.3	0.075	3.75	13.8	0.155	0.016	0.134	0.0016	0.0400	0.633	0.016	4.61	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	21.5	55.0	57.5	4.5	10.3	20.0	0.255	0.016	0.190	0.065	0.130	0.927	0.039	7.82	0.0013	0.0050	0.26	0.094
	<b>% of values undetected</b>				45%			9%	100%		9%			82%		100%	82%	64%	55%
	<b># of values between MDL and PQL</b>				3	5					4	2		2			1	4	5
<b>MW11SS</b>																			
	11/11/05	10.2	27.0	32.5	10	2.63	11.0	0.050			0.0230		0.786	0.016	1.18	0.0013	0.0013	0.39	0.016
	08/22/06	8.82	22.0	25.0	0.250	1.57	7.00	0.064	0.016	0.047	0.0090	0.0155	0.623	0.081	0.891	0.0008	0.0008	0.16	0.045
	11/01/06	8.56	24.0	21.3	0.400	1.57	11.0	0.016	0.016	0.016	0.0250	0.0600	0.605	0.016	1.03	0.0008	0.0008	0.16	0.080
	08/21/07	7.68	22.5	20.0	0.200	1.57	8.54	0.053			0.0016		0.565	0.016	1.01	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	8.80	24.0	24.7	3.0	1.84	9.00	0.046	0.016	0.031	0.015	0.0380	0.645	0.032	1.03	0.0009	0.0009	0.21	0.039
	<b>Median</b>	8.70	23.0	23.2	0	1.57	10.0	0.051	0.016	0.031	0.016	0.0380	0.614	0.016	1.02	0.0008	0.0008	0.16	0.030
	<b>St. Deviation</b>	1	2	5.6	5	0.53	2	0.0209	0	0.0219	0.011	0.031	0.097	0.0328	0.12	0.0003	0.0003	0.118	0.0308
	<b># of values</b>	4	4	4	4	4	4	4	2	2	4	2	4	4	4	4	4	4	4
	<b>Minimum</b>	7.68	22.0	20.0	0.20	1.57	7.00	0.016	0.016	0.016	0.0016	0.0155	0.565	0.016	0.891	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	10.2	27.0	32.5	10	2.63	11.0	0.064	0.016	0.047	0.0250	0.0600	0.786	0.081	1.18	0.0013	0.0013	0.39	0.080
	<b>% of values undetected</b>				25%	75%		50%	100%	50%	25%	50%		75%		100%	100%	75%	50%
	<b># of values between MDL and PQL</b>				2	1	2	2		1	1	1		1				1	2



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Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW11S</b>																					
	10/21/04	91.1	12.5	0.0385	0.0385	0.125	0.125	3.04	1.88	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	5790	5480	1.15	0.373
	03/21/05	4.74	1.41	0.0257	0.0262	0.159	0.133	2.50	2.28	0.0015	0.0015	0.0038	0.0038	1.69	1.56	0.0031	0.0031	6140	4770	0.811	0.336
	05/13/05	9.14	1.50	0.0100	0.0202	0.111	0.119	1.91	2.09	0.0015	0.0015	0.0038	0.0038	1.64		0.0031	0.0031	6610	5270	1.54	0.464
	08/16/05	8.70		0.0016		0.250	0.250	2.10	1.94	0.0075	0.0150	0.0016	0.0031	5.00	12.0	0.0078	0.0155	5920	5310	1.22	0.200
	11/11/05	8.85	1.00	0.0210	0.0234	0.125	0.256	1.80	1.75	0.0075	0.0075	0.0134	0.0118	1.55	1.55	0.0078	0.0078	5320	5360	1.23	0.481
	03/22/06	211	2.48	0.0438	0.0310	0.155	0.155	6.02	2.08	0.0240	0.0120	0.0250	0.0250	0.75	0.75	0.0125	0.0125	6090	6520	18.3	1.62
	08/21/06	3.20	2.80	0.0232	0.0190	0.155	0.155	1.92		0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5690	5590	1.71	0.460
	11/01/06	2.55	1.00	0.0075	0.0250	0.496	0.155	1.58	1.86	0.0125	0.0125	0.0075	0.0164	1.25	1.25	0.0185	0.0185	4960	5630	0.846	0.421
	03/22/07	22.9	2.91	0.0250	0.0250	0.155	0.155	2.13	1.87	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5480	5460	2.43	0.386
	08/21/07	12.5	1.00	0.0288	0.0276	0.155	0.155	1.96	1.74	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4970	5130	3.14	0.725
	11/11/07	23.6	1.00	0.0176	0.0276	0.155	0.155	2.02	1.80	0.0250	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5170	5590	2.15	0.781
	<b>Mean</b>	36.0	3.00	0.022	0.0264	0.186	0.165	2.45	1.93	0.011	0.0098	0.080	0.080	1.7	2.4	0.0099	0.011	5650	5460	3.10	0.570
	<b>Median</b>	9.14	1.00	0.023	0.0256	0.155	0.155	2.02	1.88	0.013	0.013	0.0075	0.0075	1.3	1.3	0.0078	0.0078	5690	5460	1.54	0.460
	<b>St. Deviation</b>	63	4	0.0127	0.0055	0.109	0.046	1.24	0.17	0.0077	0.0047	0.22	0.22	1.13	3.4	0.0055	0.0057	520	430	5.1	0.39
	<b># of values</b>	11	10	11	10	11	11	11	10	11	11	11	11	11	10	11	11	11	11	11	11
	<b>Minimum</b>	2.55	1.00	0.0016	0.019	0.111	0.119	1.58	1.74	0.0015	0.0015	0.0016	0.0031	0.75	0.75	0.0031	0.0031	4960	4770	0.81	0.200
	<b>Maximum</b>	211	12.5	0.0438	0.0385	0.496	0.256	6.02	2.28	0.025	0.015	0.750	0.750	5.00	12.0	0.0185	0.0185	6610	6520	18.3	1.62
	<b>% of values undetected</b>		50%	45%	30%	73%	73%			82%	100%	91%	82%	82%	80%	100%	100%				9%
	<b># of values between MDL and PQL</b>			4	4	1	1			2			1		1						
<b>MW11SS</b>																					
	11/11/05	1000	6.04	0.0724	0.0444	0.980	0.125	14.9	3.62	0.0418	0.0075	0.0168	0.0110	3.40	1.55	0.0182	0.0078	2890	2860	4.32	0.840
	08/22/06	2.70	2.50	0.0312	0.0272	0.155	0.155	1.29	1.36	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	2660	2780	1.81	0.409
	11/01/06	16.0	2.33	0.0250	0.0582	0.769	0.355	3.05	2.94	0.0125	0.0125	0.0075	0.0182	1.25	1.25	0.0185	0.0185	2560	2700	1.80	0.947
	08/21/07	4.67	1.00	0.0332	0.0290	0.155	0.155	1.25	1.21	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	2330	2290	1.72	0.878
	<b>Mean</b>	300	2.97	0.0405	0.0397	0.515	0.198	5.10	2.28	0.0198	0.011	0.010	0.011	1.79	1.33	0.016	0.013	2610	2660	2.41	0.769
	<b>Median</b>	508	2.42	0.0322	0.0367	0.462	0.155	2.20	2.15	0.0125	0.013	0.0080	0.0090	1.25	1.25	0.018	0.013	2610	2740	1.81	0.859
	<b>St. Deviation</b>	500	2.16	0.0216	0.0145	0.424	0.106	6.6	1.19	0.0147	0.0025	0.005	0.005	1.08	0.15	0.0055	0.0063	230	250	1.27	0.244
	<b># of values</b>	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	<b>Minimum</b>	2.70	1.00	0.0250	0.0272	0.155	0.125	1.25	1.21	0.0125	0.0075	0.0075	0.0075	1.25	1.25	0.0075	0.0075	2330	2290	1.72	0.409
	<b>Maximum</b>	1000	6.04	0.0724	0.0582	0.980	0.355	14.9	3.62	0.0418	0.0125	0.0168	0.0182	3.40	1.55	0.0185	0.0185	2890	2860	4.32	0.947
	<b>% of values undetected</b>	25%	25%	25%		50%	75%			75%	100%	75%	50%	75%	100%	75%	100%				
	<b># of values between MDL and PQL</b>			2	2		1						1	1		1					

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

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Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW11S</b>																								
	10/21/04	<b>0.0500</b>	<b>0.0500</b>	0.212	<b>0.100</b>	55.8	<b>3.10</b>	<b>0.050</b>	<b>0.050</b>	1100	1070	5.42	2.17	<b>0.0310</b>	<b>0.0310</b>	<b>0.155</b>	<b>0.155</b>	0.669	0.427	393	368	<b>0.155</b>	<b>0.155</b>	5230
	03/21/05	<b>0.0148</b>	<b>0.0125</b>	0.201	0.111	<b>7.08</b>	<b>1.33</b>	<b>0.011</b>	<b>0.0673</b>	1320	1030	1.72	1.53	<b>0.0315</b>	<b>0.0315</b>	0.157	0.242	0.553	0.334	374	328	<b>0.0400</b>	<b>0.0354</b>	4820
	05/13/05	<b>0.0114</b>	<b>0.0105</b>	0.124	0.115	11.3	<b>6.19</b>	<b>0.011</b>	<b>0.035</b>	1220	1070	1.15	1.09	<b>0.0315</b>	<b>0.0315</b>	0.118	0.148	0.713	0.679	342	351	<b>0.0423</b>	<b>0.0397</b>	5570
	08/16/05	0.0344	0.0420	0.238		<b>14.3</b>	<b>6.20</b>	<b>0.0155</b>	<b>0.10</b>	1130	1110	0.991	0.904	<b>0.0310</b>	<b>0.0310</b>	<b>0.0031</b>		0.635	0.604	385	339	<b>0.0775</b>	<b>0.155</b>	6200
	11/11/05	0.0260	0.0208	0.159	0.236	<b>13.3</b>	<b>3.10</b>	<b>0.0155</b>		1040	1050	1.08	0.379	<b>0.0310</b>	<b>0.0310</b>	0.0964	0.0900	0.706	0.641	351	358	<b>0.0775</b>	<b>0.0775</b>	6360
	03/22/06	0.259	0.0628	1.10	0.232	306	25.3	0.152	<b>0.0130</b>	1080	1100	23.7	2.31	<b>0.000475</b>	<b>0.000475</b>	0.427	0.194	10.4	2.72	401	398	<b>0.155</b>	<b>0.155</b>	4940
	08/21/06	0.0306	0.0354	0.298	0.247	<b>3.10</b>	<b>6.44</b>	0.327		1100	1120	0.460	0.534	<b>0.000475</b>	<b>0.000475</b>	0.0732		0.834	0.848	356	389	<b>0.155</b>	<b>0.155</b>	5390
	11/01/06	<b>0.0174</b>	<b>0.0168</b>	0.153	0.164	<b>10.0</b>	<b>10.0</b>	<b>0.0155</b>	<b>0.0155</b>	1000	1040	0.418	0.343	<b>0.000475</b>	<b>0.000475</b>	0.120	0.117	0.672	0.641	322	354	<b>0.155</b>	<b>0.155</b>	5420
	03/22/07	0.0366	0.0208	0.241	0.194	26.4	<b>3.10</b>	<b>0.0155</b>	<b>0.0155</b>	1090	1080	2.71	0.453	<b>0.000169</b>	<b>0.000475</b>	0.166	0.138	1.69	0.971	350	347	<b>0.155</b>	<b>0.155</b>	5170
	08/21/07	0.0326	0.0224	0.335	0.230	25.5	<b>10.0</b>	<b>0.050</b>	<b>0.0155</b>	928	970	0.972	0.358	<b>0.000169</b>	<b>0.000475</b>	0.157	0.140	1.70	0.909	337	338	<b>0.155</b>	<b>0.155</b>	5270
	11/11/07	0.0226	<b>0.0184</b>	0.218	0.118	29.4	<b>13.8</b>	<b>0.0155</b>	<b>0.0155</b>	972	1060	0.746	0.311	<b>0.000169</b>	<b>0.000475</b>	0.162	0.169	1.08	0.910	328	370	<b>0.155</b>	<b>0.155</b>	5940
	<b>Mean</b>	0.0490	0.0284	0.300	0.175	46.0	8.00	0.062	0.04	1090	1060	3.60	0.940	0.0144	0.0144	0.149	0.155	1.80	0.880	358	358	0.120	0.127	5480
	<b>Median</b>	0.0306	0.0208	0.218	0.179	14.3	6.20	0.016	0.0155	1090	1070	1.08	0.534	0.000475	0.000475	0.155	0.148	0.713	0.679	351	354	0.155	0.155	5390
	<b>St. Deviation</b>	0.071	0.0169	0.27	0.06	88	7	0.097	0.031	110	40	6.8	0.75	0.0161	0.016	0.105	0.044	2.9	0.64	27	22	0.05	0.05	500
	<b># of values</b>	11	11	11	10	11	11	11	9	11	11	11	11	11	11	11	9	11	11	11	11	11	11	11
	<b>Minimum</b>	0.0114	0.0105	0.124	0.100	3.10	1.33	0.011	0.013	928	970	0.418	0.311	0.000169	0.000475	0.0031	0.0900	0.553	0.334	322	328	0.0400	0.0354	4820
	<b>Maximum</b>	0.259	0.0628	1.10	0.247	306	25.3	0.327	0.1	1320	1120	23.7	2.31	0.0315	0.0315	0.427	0.242	10.4	2.72	401	398	0.155	0.155	6360
	<b>% of values undetected</b>	9%	9%		10%	18%	64%	82%	78%					100%	100%	18%	11%					82%	82%	
	<b># of values between MDL and PQL</b>	3	4			3	3		2													2	2	
<b>MW11SS</b>																								
	11/11/05	0.456	0.102	1.46	0.206	894	<b>12.0</b>	0.642	<b>0.050</b>	713	553	52.0	22.2	<b>0.0310</b>	<b>0.0310</b>	0.260	0.227	2.37	1.17	555	309	<b>0.0775</b>	<b>0.0775</b>	5700
	08/22/06	0.0242	0.0236	0.244	0.194	<b>16.9</b>	<b>12.2</b>	<b>0.050</b>		531	538	1.34	1.39	<b>0.000475</b>	<b>0.000475</b>	0.113	0.119	1.26	1.07	194	206	<b>0.155</b>	<b>0.155</b>	5530
	11/01/06	0.0336	0.0232	0.352	0.148	29.8	<b>10.0</b>	<b>0.050</b>	<b>0.050</b>	528	528	12.2	11.8	<b>0.00106</b>	<b>0.000475</b>	0.175	0.136	1.18	0.778	228	230	<b>0.155</b>	<b>0.155</b>	5040
	08/21/07	<b>0.0176</b>	<b>0.0146</b>	0.410	0.184	<b>10.0</b>	<b>10.0</b>	<b>0.050</b>	<b>0.0155</b>	450	448	0.435	0.385	<b>0.000169</b>	<b>0.000475</b>	0.0962	0.0946	0.773	0.596	167	160	<b>0.155</b>	<b>0.155</b>	4920
	<b>Mean</b>	0.133	0.0410	0.620	0.183	238	11.0	0.20	0.040	556	517	16.5	8.90	0.00820	0.00810	0.161	0.144	1.40	0.900	286	226	0.136	0.136	5300
	<b>Median</b>	0.0290	0.0230	0.380	0.189	23.0	11.0	0.050	0.050	530	533	6.80	6.60	0.000800	0.000500	0.144	0.128	1.22	0.920	211	218	0.155	0.155	5290
	<b>St. Deviation</b>	0.216	0.041	0.57	0.025	438	1	0.3	0.02	111	47	24.3	10.2	0.0152	0.0153	0.074	0.058	0.68	0.26	181	62	0.039	0.039	380
	<b># of values</b>	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	<b>Minimum</b>	0.0176	0.0146	0.244	0.148	10.0	10.0	0.050	0.0155	450	448	0.435	0.385	0.000169	0.000475	0.0962	0.0946	0.773	0.596	167	160	0.0775	0.0775	4920
	<b>Maximum</b>	0.456	0.102	1.46	0.206	894	12.2	0.642	0.05	713	553	52.0	22.2	0.0310	0.0310	0.260	0.227	2.37	1.17	555	309	0.155	0.155	5700
	<b>% of values undetected</b>					25%	50%	75%	100%					75%	100%							100%	100%	
	<b># of values between MDL and PQL</b>	1	1			1	2							1										

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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW11S</b>													
	10/21/04	0.0031	0.0031	2620	2620	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.235
	03/21/05	0.0014	0.0014	2450	1890	0.0050	0.0021	0.0302	0.0302	0.192	0.138	0.235	1.06
	05/13/05	0.0014	0.0014	2500	1950	0.0021	0.0021	0.0302	0.0302	0.150	0.0989	0.235	0.235
	08/16/05	0.0031	0.0062	2530	2490	0.0031	0.0062	0.031	0.062	0.100	0.200	0.233	1.5
	11/11/05	0.0031	0.0031	2300	2320	0.0031	0.0031	0.031	0.031	0.243	0.274	0.75	0.75
	03/22/06	0.0031	0.0031	2220	2260	0.0025	0.0025	0.104	0.050	0.540	0.110	2.10	1.53
	08/21/06	0.0031	0.0031	2320	2370	0.0050	0.0164	0.050	0.050	0.250	0.250	1.13	
	11/01/06	0.0031	0.0031	2160	2260	0.0050	0.0050	0.050	0.050	0.897	0.250	0.155	0.155
	03/22/07	0.0031	0.0031	2330	2320	0.0050	0.0050	0.050	0.050	0.155	0.155	1.04	1.02
	08/21/07	0.0031	0.0031	2150	2250	0.0050	0.0050	0.050	0.050	0.155	0.155	3.53	1.21
	11/11/07	0.0031	0.0031	2190	2440	0.0050	0.0050	0.050	0.050	0.155	0.155	1.05	0.50
	<b>Mean</b>	0.0028	0.0031	2340	2290	0.0050	0.0060	0.060	0.060	0.269	0.174	0.97	0.8
	<b>Median</b>	0.0031	0.0031	2320	2320	0.0050	0.0050	0.050	0.050	0.155	0.155	0.75	0.9
	<b>St. Deviation</b>	0.0007	0.0012	160	210	0.003	0.005	0.04	0.03	0.24	0.061	1.04	0.52
	<b># of values</b>	11	11	11	11	11	11	11	11	11	11	11	10
	<b>Minimum</b>	0.0014	0.0014	2150	1890	0.0021	0.0021	0.0302	0.0302	0.100	0.0989	0.155	0.155
	<b>Maximum</b>	0.0031	0.0062	2620	2620	0.0125	0.0164	0.155	0.155	0.897	0.274	3.53	1.53
	<b>% of values undetected</b>	100%	100%			100%	91%	91%	100%	55%	73%	55%	60%
	<b># of values between MDL and PQL</b>						1			2	1		
<b>MW11SS</b>													
	11/11/05	0.0152	0.0031	1840	1830	0.0154	0.0031	0.031	0.031	1.31	0.100	25.6	20.7
	08/22/06	0.0031	0.0031	1460	1480	0.0050	0.0050	0.050	0.050	0.250	0.250	1.56	
	11/01/06	0.0031	0.0031	1540	1560	0.0102	0.0050	0.050	0.050	1.06	0.250	7.54	7.11
	08/21/07	0.0031	0.0031	1380	1380	0.0050	0.0050	0.050	0.050	0.155	0.155	7.36	2.22
	<b>Mean</b>	0.0060	0.0031	1560	1560	0.0090	0.0045	0.045	0.045	0.690	0.190	10.5	10.00
	<b>Median</b>	0.0030	0.0031	1500	1520	0.0080	0.0050	0.050	0.050	0.660	0.200	7.50	7.11
	<b>St. Deviation</b>	0.006	0	200	190	0.005	0.001	0.01	0.01	0.58	0.07	10.4	9.6
	<b># of values</b>	4	4	4	4	4	4	4	4	4	4	4	3
	<b>Minimum</b>	0.0031	0.0031	1380	1380	0.0050	0.0031	0.031	0.031	0.155	0.100	1.56	2.22
	<b>Maximum</b>	0.0152	0.0031	1840	1830	0.0154	0.0050	0.050	0.050	1.31	0.250	25.6	20.7
	<b>% of values undetected</b>	75%	100%			50%	100%	100%	100%	50%	100%		
	<b># of values between MDL and PQL</b>	1					2						

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Well ID	Sample Date	Hardness mg/L	Conductivity umhos/cm	TDS mg/L	TSS mg/L	Acidity mg/L	Alkalinity mg/L	Nitrate & Nitrite mg/L	Nitrite mg/L	Nitrate mg/L	Total Phosphorus mg/L	Orthophosphate mg/L	Chloride mg/L	Fluoride mg/L	Sulfate mg/L	Total Cyanide mg/L	WAD Cyanide mg/L	Thiocyanate mg/L	Ammonia mg/L
<b>MW12D</b>																			
	08/19/05	53.9	145	115	0.50	22.3	32.0	0.102			0.280		0.943	0.081	37.8	0.0013	0.0013	0.33	0.016
	11/08/05	48.1	140	87.5	0.075	30.0	33.0	0.137			0.300		0.862	0.090	35.0	0.0013	0.0013	0.11	0.016
	03/24/06	50.2	140	130	0.075	16.3	44.0	0.171			0.295		0.882	0.069	36.7	0.0013	0.0013	0.16	0.050
	05/19/06	58.0	140	119	0.075	14.0	36.0	0.386			0.297		0.875	0.128	33.9	0.0030	0.0013	0.16	0.016
	08/18/06	52.9	135	124	1.60	13.8	32.0	0.089	0.016	0.081	0.304	0.340	0.839	0.088	34.7	0.0008	0.0008	0.16	0.016
	10/28/06	49.2	130	111	0.075	23.5	35.0	0.122	0.016	0.120	0.315	0.370	0.687	0.082	33.2	0.0008	0.0008	0.16	0.050
	03/13/07	50.9	120	111	0.075	15.0	30.0	0.093	0.016	0.050	0.307	0.480	0.732	0.086	32.5	0.0025	0.0025	0.16	0.016
	05/12/07	54.8	145	109	0.150	7.50	32.0	0.101			0.309		0.854	0.107	32.8	0.0025	0.0025	0.16	0.016
	08/17/07	46.8	140	104	0.150	32.8	31.8	0.108			0.323		0.734	0.088	33.7	0.0008	0.0008	0.16	0.071
	11/10/07	46.1	130	86.3	0.150	15.3	32.0	0.090			0.329		0.749	0.101	33.6	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	51.1	140	110	0.30	19.1	34.0	0.140	0.016	0.080	0.306	0.400	0.816	0.090	34.4	0.0015	0.0013	0.17	0.028
	<b>Median</b>	50.6	140	111	0.10	15.8	32.0	0.105	0.016	0.081	0.306	0.370	0.847	0.090	33.8	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	3.8	10	14	0.5	7.9	4	0.09	0	0.04	0.014	0.07	0.084	0.02	1.7	0.0009	0.0007	0.059	0.0208
	<b># of values</b>	10	10	10	10	10	10	10	3	3	10	3	10	10	10	10	10	10	10
	<b>Minimum</b>	46.1	120	86.3	0.075	7.5	30.0	0.089	0.016	0.050	0.280	0.340	0.687	0.069	32.5	0.0008	0.0008	0.11	0.016
	<b>Maximum</b>	58.0	145	130	1.6	32.8	44.0	0.386	0.016	0.120	0.329	0.480	0.943	0.128	37.8	0.0030	0.0025	0.33	0.071
	<b>% of values undetected</b>				80%				100%	33%						90%	100%	80%	90%
	<b># of values between MDL and PQL</b>					1		3		1				7		1		2	1
<b>MW12S</b>																			
	08/19/05	349	750	498	2.40	8.25	178	0.0335			0.0520		0.878	0.188	214	0.0013	0.0013	0.19	0.016
	11/09/05	302	700	499	41.8	9.38	182	0.050			0.410		0.833	0.228	216	0.0013	0.0013	0.18	0.016
	03/24/06	368	400	478	13.5	7.75	34.0	0.016			0.0710		0.757	0.123	204	0.0013	0.0013	0.38	0.125
	05/19/06	323	650	448	15.1	3.25	178	0.050			0.0779		0.747	0.226	174	0.0013	0.0013	0.16	0.033
	08/18/06	332	600	451	10.7	8.00	185	0.016	0.016	0.016	0.0900	0.0900	0.733	0.193	186	0.0008	0.0008	0.16	0.016
	10/28/06	353	600	452	10.7	9.50	175	0.016	0.016	0.016	0.0800	0.100	2.28	0.705	197	0.0008	0.0008	0.16	0.050
	03/12/07	309	450	411	10.7	7.50	166	0.050	0.016	0.036	0.0660	0.210	0.588	0.194	127	0.0008	0.0008	0.16	0.016
	05/12/07	292	500	369	2.80	1.57	158	0.050			0.0452		0.716	0.213	139	0.0025	0.0025	0.16	0.016
	08/17/07	306	600	409	3.70	15.8	175	0.044			0.0696		0.573	0.206	155	0.0008	0.0008	0.16	0.075
	11/10/07	318	600	428	2.70	7.50	171	0.016			0.0734		0.640	0.223	171	0.0008	0.0008	0.16	0.049
	<b>Mean</b>	325	590	444	11.4	7.90	160	0.034	0.016	0.022	0.100	0.130	0.870	0.250	178	0.0011	0.0011	0.18	0.041
	<b>Median</b>	321	600	450	10.7	7.90	175	0.039	0.016	0.016	0.0700	0.100	0.740	0.210	180	0.0010	0.0010	0.16	0.024
	<b>St. Deviation</b>	25	110	41	11.7	3.8	45	0.0166	0	0.0118	0.11	0.07	0.5	0.163	31	0.0005	0.0005	0.07	0.036
	<b># of values</b>	10	10	10	10	10	10	10	3	3	10	3	10	10	10	10	10	10	10
	<b>Minimum</b>	292	400	369	2.40	1.57	34.0	0.0155	0.016	0.016	0.0452	0.0900	0.573	0.123	127	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	368	750	499	41.8	15.8	185	0.05	0.016	0.036	0.410	0.210	2.28	0.705	216	0.0025	0.0025	0.38	0.125
	<b>% of values undetected</b>					10%		70%	100%	67%						100%	100%	70%	60%
	<b># of values between MDL and PQL</b>					6		3		1		1						3	3

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Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW12D</b>																					
	08/19/05	57.3	4.15	0.166	0.170	0.559	<b>0.250</b>	8.29	7.57	<b>0.0210</b>	<b>0.0075</b>	<b>0.0016</b>	<b>0.0016</b>	<b>4.80</b>	11.3	<b>0.0078</b>	<b>0.0078</b>	14200	14800	4.67	2.18
	11/08/05	5.06	2.90	0.115	0.137	0.627	0.606	4.30	4.94	<b>0.0075</b>	<b>0.0075</b>	<b>0.0016</b>	0.0108	<b>4.20</b>	<b>1.55</b>	<b>0.0078</b>	<b>0.0078</b>	12800	15300	0.537	0.706
	03/24/06	4.80		0.157	0.172	<b>0.447</b>	0.530	3.38	3.68	<b>0.0120</b>	<b>0.0120</b>	<b>0.0250</b>	<b>0.0250</b>	<b>0.75</b>	<b>0.75</b>	<b>0.0125</b>	<b>0.0316</b>	13400	15000	0.913	0.574
	05/19/06	4.36	5.41	0.145	0.143	<b>0.155</b>	0.588	2.80	3.12	<b>0.0120</b>	<b>0.0120</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.70</b>	<b>0.75</b>	<b>0.0125</b>	<b>0.0125</b>	15700	14700	0.817	0.365
	08/18/06	22.7	4.06	0.158	0.155	0.739	0.747	2.57	2.38	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0185</b>	<b>0.0185</b>	14300	14400	1.92	1.05
	10/28/06	3.04	2.41	0.141	0.163	0.784	0.511	1.96	2.07	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0185</b>	<b>0.0185</b>	13000	13200	<b>0.100</b>	<b>0.050</b>
	03/13/07	13.0	6.82	0.171	0.162	0.584	0.581	2.03	1.95	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0228</b>	<b>0.0200</b>	13400	12800	1.19	0.508
	05/12/07	4.06	3.41	0.165	0.166	0.619	0.642	1.80	2.06	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0250</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0246</b>	<b>0.0234</b>	14500	14500	0.873	0.618
	08/17/07	9.11	2.82	0.150	0.143	0.592	<b>0.449</b>	1.54	1.57	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>2.78</b>	<b>2.55</b>	<b>0.0216</b>	<b>0.0210</b>	12200	11900	0.670	0.261
	11/10/07	<b>1.00</b>	<b>1.00</b>	0.123		<b>0.155</b>	0.644	1.46	1.49	<b>0.0448</b>		<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>2.60</b>	<b>0.0178</b>	<b>0.0342</b>	12600	13900	0.469	0.503
	<b>Mean</b>	12.4	3.66	0.149	0.157	0.526	0.555	3.01	3.08	0.016	0.011	0.0080	0.011	2.1	2.5	0.016	0.020	13600	14100	1.22	0.68
	<b>Median</b>	4.90	3.41	0.154	0.162	0.588	0.585	2.30	2.23	0.0125	0.0125	0.0080	0.0080	1.3	1.3	0.018	0.019	13400	14500	0.850	0.54
	<b>St. Deviation</b>	17	1.71	0.019	0.013	0.216	0.135	2.06	1.9	0.0106	0.002	0.006	0.008	1.4	3.2	0.006	0.0089	1100	1100	1.31	0.59
	<b># of values</b>	10	9	10	9	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10
	<b>Minimum</b>	1.00	1.00	0.115	0.137	0.155	0.250	1.46	1.49	0.0075	0.0075	0.0016	0.0016	0.75	0.75	0.0078	0.0078	12200	11900	0.100	0.050
	<b>Maximum</b>	57.3	6.82	0.171	0.172	0.784	0.747	8.29	7.57	0.0448	0.0125	0.0250	0.0250	4.80	11.3	0.0246	0.0342	15700	15300	4.67	2.18
	<b>% of values undetected</b>	10%	11%			20%	10%			80%	100%	100%	90%	60%	70%	60%	50%			10%	10%
	<b># of values between MDL and PQL</b>					1	1			2				4	2	4	5				
<b>MW12S</b>																					
	08/19/05	201	3.05	0.0806	0.0762	1.26	1.08	41.5	40.1	<b>0.0075</b>	<b>0.0075</b>	0.0158	<b>0.0050</b>	<b>5.00</b>	<b>6.60</b>	<b>0.0078</b>	<b>0.0078</b>	85300	67000	0.834	0.673
	11/09/05	2180	3.90	0.136	0.0646	3.25	1.31	61.2	40.1	0.0626	<b>0.0075</b>	0.0174	<b>0.0016</b>	<b>8.30</b>	13.8	<b>0.0078</b>	<b>0.0078</b>	75400	86300	8.95	0.485
	03/24/06	601	3.26	0.0840	<b>0.0482</b>	1.04	0.649	43.8	42.8	<b>0.0120</b>	<b>0.0120</b>	<b>0.0250</b>	<b>0.0075</b>	7.16	7.91	<b>0.0125</b>	<b>0.0125</b>	89100	82400	3.01	0.714
	05/19/06	724	2.85	0.0962	0.0592	1.70	0.545	41.3	34.0	<b>0.0120</b>	<b>0.0120</b>	<b>0.0075</b>	<b>0.0075</b>	7.31	7.70	<b>0.0125</b>	<b>0.0125</b>	74600	73600	2.92	0.461
	08/18/06	680	2.13	0.0718	<b>0.0374</b>	1.59	1.05	39.1	37.3	<b>0.0316</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	7.52	7.59	<b>0.0185</b>	<b>0.0185</b>	81300	91000	1.67	0.399
	10/28/06	1200	<b>1.00</b>	0.0960	<b>0.0250</b>	1.33	<b>0.155</b>	51.0	35.9	<b>0.0366</b>	<b>0.0125</b>	<b>0.0286</b>	<b>0.0190</b>	8.59	7.45	<b>0.0185</b>	<b>0.0185</b>	87800	95000	2.57	<b>0.050</b>
	03/12/07	632	6.43	0.108	<b>0.0500</b>	1.47	1.21	37.7	34.1	<b>0.0250</b>	<b>0.0250</b>	<b>0.0150</b>	<b>0.0150</b>	<b>8.29</b>	<b>8.51</b>	<b>0.0150</b>	<b>0.0150</b>	77500	80400	2.66	0.421
	05/12/07	176	<b>1.00</b>	0.0940	0.0738	1.01	0.891	38.0	32.9	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	8.38	8.61	<b>0.0234</b>	<b>0.0186</b>	71200	70700	1.41	<b>0.050</b>
	08/17/07	366	<b>1.00</b>	0.0680	0.0516	1.55	1.20	36.3	32.1	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	9.18	9.16	<b>0.0214</b>	<b>0.0168</b>	77600	75900	1.59	<b>0.138</b>
	11/10/07	166	2.14	<b>0.0442</b>	<b>0.0452</b>	1.38	1.13	36.3	35.8	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	9.26	9.87	<b>0.0160</b>	<b>0.0075</b>	83200	82900	0.694	0.267
	<b>Mean</b>	690	2.68	0.0880	0.0531	1.56	0.920	42.6	36.5	0.023	0.013	0.014	0.0090	7.90	8.70	0.015	0.014	80300	80500	2.63	0.37
	<b>Median</b>	620	2.50	0.0890	0.0508	1.43	1.07	40.2	35.9	0.013	0.013	0.011	0.0080	8.30	8.20	0.016	0.014	79500	81400	2.12	0.41
	<b>St. Deviation</b>	610	1.67	0.025	0.0159	0.64	0.37	7.9	3.5	0.0171	0.0048	0.008	0.005	1.25	2	0.0053	0.0046	6000	8900	2.37	0.237
	<b># of values</b>	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	<b>Minimum</b>	166	1.00	0.0442	0.0250	1.01	0.155	36.3	32.1	0.0075	0.0075	0.0075	0.0016	5.00	6.60	0.0078	0.0075	71200	67000	0.69	0.050
	<b>Maximum</b>	2180	6.43	0.136	0.0762	3.25	1.31	61.2	42.8	0.0626	0.025	0.0286	0.0190	9.26	13.8	0.0234	0.0186	89100	95000	8.95	0.714
	<b>% of values undetected</b>		30%		20%		10%			70%	100%	70%	90%	10%		70%	80%				20%
	<b># of values between MDL and PQL</b>			1	3					2		1	1	2	2	3	2				1



**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW12D</b>																								
	08/19/05	0.279	0.317	1.27	0.877	68.5	28.5	0.0518	0.061	4520	4370	21.6	21.3	0.0310	0.0310	12.9	13.0	3.10	3.17	1010	995	1.52	1.66	13900
	11/08/05	0.0962	0.104	1.03	0.986	3.10	8.91	0.0155	0.050	3890	4650	12.0	13.7	0.0310	0.0310	11.2	13.1	1.20	1.42	845		1.55	1.58	15200
	03/24/06	0.104	0.120	1.34	1.37	3.10	7.92	0.0130	0.0130	4040	4590	16.2	17.6	0.000475	0.000475	11.7	13.6	1.26	1.38	895	988	1.20	1.43	12600
	05/19/06	0.123	0.122	1.64	1.44	3.10	13.4	0.0380		4550	4740	18.4	18.2	0.000475	0.00120	13.1	13.2	1.14	1.14	1080	1040	1.33	1.51	8280
	08/18/06	0.127	0.136	1.38	0.949	44.9	9.49	0.284	0.128	4200	4220	16.9	16.6	0.000475	0.000475	13.0	13.0	1.72	2.09	948	969	1.54	1.39	12300
	10/28/06	0.0880	0.0864	1.30	1.36	3.10	10.0	0.209	0.0155	4070	3630	12.7	12.9	0.00196	0.000475	12.9	12.8	0.937	1.09	865	873	1.26	1.36	13400
	03/13/07	0.117	0.0948	1.58	1.04	21.5	3.10	0.149	0.050	4230	4180	14.2	12.9	0.000628	0.000475	13.9	12.7	1.50	1.23	891	810	1.49	1.43	13400
	05/12/07	0.101	0.109	1.34	1.33	10.0		0.050	0.050	4150	4160	14.2	14.6	0.000169	0.000475	13.6	14.8	1.23	1.34	872	891	1.48	1.60	12500
	08/17/07	0.0868	0.0864	1.43	1.13	25.9	3.10	0.050	0.0155	3980	3940	10.9	10.3	0.00250	0.000475	13.0	13.1	1.04	0.993	787	779	1.30	1.26	13400
	11/10/07	0.0594	0.0750	1.21	1.42	31.5	12.5	0.0155	0.0155	3590	4270	8.58	8.49	0.000491	0.00103	12.4	13.2	0.730	0.753	888	1040	1.63	2.06	13800
	<b>Mean</b>	0.118	0.125	1.35	1.19	21.5	10.8	0.088	0.04	4120	4280	14.6	14.7	0.00690	0.00670	12.8	13.3	1.39	1.46	910	930	1.43	1.53	12900
	<b>Median</b>	0.103	0.107	1.34	1.23	15.8	9.49	0.050	0.050	4110	4250	14.2	14.2	0.000600	0.000500	13.0	13.1	1.22	1.29	890	969	1.49	1.47	13400
	<b>St. Deviation</b>	0.06	0.07	0.17	0.22	22	7.5	0.094	0.04	280	340	3.8	3.8	0.0127	0.0128	0.8	0.6	0.66	0.7	80	100	0.15	0.22	1800
	<b># of values</b>	10	10	10	10	10	9	10	9	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10
	<b>Minimum</b>	0.0594	0.0750	1.03	0.877	3.10	3.10	0.013	0.013	3590	3630	8.58	8.49	0.000169	0.000475	11.2	12.7	0.730	0.753	787	779	1.20	1.26	8280
	<b>Maximum</b>	0.279	0.317	1.64	1.44	68.5	28.5	0.284	0.128	4550	4740	21.6	21.3	0.0310	0.0310	13.9	14.8	3.10	3.17	1080	1040	1.63	2.06	15200
	<b>% of values undetected</b>					50%	33%	50%	78%					70%	80%									
	<b># of values between MDL and PQL</b>						5	2	1					3	2									
<b>MW12S</b>																								
	08/19/05	1.68	1.68	3.94	1.43	282	58.8	0.118	0.082	33000	24800	404	415	0.0310	0.0310	12.3	12.3	5.17	5.29	2590	2620	0.0775	0.0775	7350
	11/09/05	1.84	0.797	32.0	1.54	3100	52.4	1.27	0.050	27700	32200	428	382	0.0310	0.0310	11.4	10.5	7.17	4.04	3090	2690	0.0775	0.0775	7620
	03/24/06	0.988	0.725	5.12	0.383	892	108	0.235	0.0130	35400	36200	322	335	0.00250	0.000475	9.66	9.44	3.66	2.50	2740	2540	0.343	0.155	7230
	05/19/06	0.914	0.548	14.3	0.975	1170	145	0.426	0.0130	33100	31900	311	287	0.00306	0.000475	9.47	9.12	3.49	2.28	2660	2640	0.923	0.822	6110
	08/18/06	0.737	0.482	13.6	1.12	1070	174	0.422	0.050	31300	34800	316	321	0.00143	0.000475	9.41	10.2	2.71	2.24	2640	2780	0.719	0.758	7180
	10/28/06	1.03	0.378	23.9	0.716	1810	101	0.826	0.0155	32600	33000	283	231	0.00185	0.000475	8.35	8.23	4.52	2.78	2920	2700	1.05	0.920	6930
	03/12/07	0.533	0.353	11.0	0.771	1220	128	0.449	0.062	28100	28900	254	256	0.000169	0.000475	8.31	8.71	3.56	3.34	2610	2650	1.98	2.24	7270
	05/12/07	0.474	0.275	6.87	0.260	573	63.0	0.217	0.0155	27700	25200	217	185	0.000169	0.000475	8.87	8.49	3.55	2.69	2530	2470	4.04	4.31	7180
	08/17/07	0.409	0.231	6.64	0.220	537	61.3	0.229	0.0155	27300	26100	266	245	0.00250	0.000475	9.94	9.84	2.78	2.57	2320	2070	1.63	1.76	7370
	11/10/07	0.287	0.208	2.79	0.367	394	191	0.111	0.0155	26800	29300	288	287	0.000579	0.000475	9.57	9.78	2.91	2.07	2600	2830	1.28	1.54	7660
	<b>Mean</b>	0.890	0.570	12.0	0.780	1100	108	0.43	0.033	30300	30200	309	294	0.00740	0.00660	9.70	9.70	3.95	2.98	2670	2600	1.21	1.27	7190
	<b>Median</b>	0.830	0.430	8.90	0.740	980	105	0.33	0.016	29700	30600	300	287	0.00220	0.000500	9.50	9.60	3.56	2.63	2630	2650	0.990	0.870	7250
	<b>St. Deviation</b>	0.52	0.44	9.4	0.48	840	50	0.36	0.025	3100	4000	65	70	0.0125	0.0129	1.3	1.2	1.37	1	210	210	1.18	1.3	440
	<b># of values</b>	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	<b>Minimum</b>	0.287	0.208	2.79	0.220	282	52.4	0.111	0.013	26800	24800	217	185	0.000169	0.000475	8.31	8.23	2.71	2.07	2320	2070	0.0775	0.0775	6110
	<b>Maximum</b>	1.84	1.68	32.0	1.54	3100	191	1.27	0.082	35400	36200	428	415	0.0310	0.0310	12.3	12.3	7.17	5.29	3090	2830	4.04	4.31	7660
	<b>% of values undetected</b>								90%					60%	100%							20%	30%	
	<b># of values between MDL and PQL</b>	1							1					4								4	3	

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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW12D</b>													
	08/19/05	0.0031	0.0031	7020	6800	0.0031	0.0031	0.031	0.031	0.343	0.100	2.20	2.43
	11/08/05	0.0031	0.0031	5700	6670	0.0031	0.0072	0.031	0.031	0.464		0.75	1.81
	03/24/06	0.0031	0.0031	5850	6550	0.0025	0.0025	0.050	0.050	0.539	0.672	2.02	1.39
	05/19/06	0.0031	0.0031	6710	6930	0.0025	0.0025	0.0155	0.0155	0.811	0.792	1.13	
	08/18/06	0.0031	0.0031	6020	6060	0.0050	0.0050	0.050	0.050	0.854	0.978	2.77	
	10/28/06	0.0031	0.0031	5600	4970	0.0162	0.0050	0.050	0.050	1.27	0.842	0.50	1.26
	03/13/07	0.0031	0.0031	6020	5900	0.0050	0.0050	0.050	0.050	1.00	1.05	1.53	1.06
	05/12/07	0.0078	0.0031	5780	5800	0.0050	0.0050	0.050	0.050	0.455	0.454	1.10	1.01
	08/17/07	0.0031	0.0031	5570	5610	0.0050	0.0050	0.050	0.050	0.697	0.578	2.80	0.50
	11/10/07	0.0031	0.0102	4910	5930	0.0050	0.0050	0.050	0.050	0.416	0.155	0.50	1.46
	<b>Mean</b>	0.0036	0.0040	5920	6120	0.0050	0.0045	0.043	0.043	0.680	0.620	1.5	1.4
	<b>Median</b>	0.0031	0.0030	5820	6000	0.0050	0.0050	0.050	0.050	0.620	0.672	1.3	1.3
	<b>St. Deviation</b>	0.0015	0.002	590	610	0.004	0.0014	0.012	0.012	0.3	0.34	0.9	0.58
	<b># of values</b>	10	10	10	10	10	10	10	10	10	9	10	8
	<b>Minimum</b>	0.0031	0.0031	4910	4970	0.0025	0.0025	0.0155	0.0155	0.343	0.100	0.50	0.50
	<b>Maximum</b>	0.0078	0.0102	7020	6930	0.0162	0.0072	0.050	0.050	1.27	1.05	2.80	2.43
	<b>% of values undetected</b>	90%	90%			90%	90%	100%	100%		22%	30%	13%
	<b># of values between MDL and PQL</b>	1	1			1	1			5	4		
<b>MW12S</b>													
	08/19/05	0.0031	0.0031	17600	13500	0.0031	0.0031	0.031	0.031	0.746	0.316	3.01	2.73
	11/09/05	0.0160	0.0031	13900	15900	0.0031	0.0031	0.031	0.031	6.53	0.100	6.70	1.65
	03/24/06	0.0106	0.0031	16100	16200	0.0025	0.0025	0.050	0.050	1.49	0.110	3.36	1.75
	05/19/06	0.0100	0.0031	14900	14600	0.0025	0.0025	0.0572	0.0532	2.18	0.110	2.72	1.02
	08/18/06	0.0126	0.0031	13700	15400	0.0050	0.0050	0.050	0.050	2.32	0.250	3.19	2.22
	10/28/06	0.0274	0.0031	13800	14000	0.0222	0.0050	0.050	0.050	4.07	1.04	5.37	1.65
	03/12/07	0.0062	0.0062	12800	13300	0.0100	0.0100	0.100	0.100	1.87	0.310	2.81	1.00
	05/12/07	0.0092	0.0031	12500	11500	0.0112	0.0050	0.050	0.050	0.680	0.155	2.49	0.50
	08/17/07	0.0080	0.0031	12200	12000	0.0050	0.0050	0.050	0.050	0.996	0.155	1.80	1.13
	11/10/07	0.0031	0.0031	12700	13800	0.0144	0.0050	0.050	0.050	0.469	0.155	1.84	1.48
	<b>Mean</b>	0.011	0.0034	14000	14000	0.0080	0.0050	0.050	0.050	2.14	0.270	3.33	1.51
	<b>Median</b>	0.0100	0.0031	13800	13900	0.0050	0.0050	0.050	0.050	1.68	0.160	2.91	1.57
	<b>St. Deviation</b>	0.007	0.001	1700	1600	0.007	0.002	0.02	0.02	1.88	0.28	1.55	0.65
	<b># of values</b>	10	10	10	10	10	10	10	10	10	10	10	10
	<b>Minimum</b>	0.0031	0.0031	12200	11500	0.0025	0.0025	0.031	0.031	0.469	0.100	1.80	0.50
	<b>Maximum</b>	0.0274	0.0062	17600	16200	0.0222	0.0100	0.100	0.100	6.53	1.04	6.70	2.73
	<b>% of values undetected</b>	40%	100%			70%	100%	90%	90%		80%		20%
	<b># of values between MDL and PQL</b>	5				2		1	1	4	1		

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW13D</b>																			
	08/22/05	74.8	335	250	63.0	0.79	40.0	0.078			0.0085		0.792	0.057	8.19	0.0013	0.0013	0.38	0.016
	11/12/05	20.2	55.0	51.3	13.8	3.88	26.7	0.158			0.0180		0.756	0.035	3.92	0.0013	0.0013	0.39	0.016
	03/21/06	18.4	20.0	41.2	7.60	4.50	21.0	0.146			0.0160		0.745	0.016	3.80	0.0013	0.0013	1.1	0.016
	05/22/06	19.4	60.0	37.5	45.5	7.75	23.0	0.204			0.0106		0.760	0.038	3.57	0.0013	0.0013	0.16	0.016
	08/24/06	18.9	50.0	62.5	2.10	6.50	24.0	0.135	0.016	0.135	0.0067	0.0155	0.773	0.068	3.32	0.0008	0.0008	0.16	0.016
	10/31/06	18.9	47.0	32.5	0.800	5.75	22.0	0.170	0.016	0.158	0.0240	0.0600	0.637	0.016	2.63	0.0008	0.0008	0.16	0.047
	03/18/07	17.0	47.0	23.8	1.10	6.25	22.0	0.156	0.016	0.159	0.0180	0.0155	0.659	0.016	2.76	0.0008	0.0008	0.16	0.016
	05/11/07	18.2	49.0	35.0	0.300	1.57	22.0	0.164			0.0110		0.808	0.039	3.01	0.0008	0.0008	0.16	0.016
	08/22/07	18.5	46.0	25.0	0.075	4.50	18.1	0.123			0.0045		0.562	0.031	2.50	0.0008	0.0008	0.16	0.039
	11/14/07	18.3	485	48.8	0.700	5.50	21.3	0.156			0.0189		0.646	0.016	2.64	0.0015	0.0008	0.16	0.016
	<b>Mean</b>	24.3	120	61.0	13.0	4.70	24.0	0.149	0.016	0.151	0.014	0.0303	0.714	0.033	3.63	0.001	0.001	0.30	0.021
	<b>Median</b>	18.7	50.0	39.0	2.00	5.00	22.0	0.156	0.016	0.158	0.014	0.0155	0.751	0.033	3.17	0.001	0.0008	0.16	0.016
	<b>St. Deviation</b>	17.8	160	68	22	2.17	6	0.033	0	0.014	0.006	0.0257	0.082	0.019	1.68	0.0003	0.0003	0.3	0.0117
	<b># of values</b>	10	10	10	10	10	10	10	3	3	10	3	10	10	10	10	10	10	10
	<b>Minimum</b>	17	20.0	23.8	0.075	0.79	18.1	0.078	0.016	0.135	0.0045	0.0155	0.562	0.016	2.5	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	74.8	485	250	63.0	7.75	40.0	0.204	0.016	0.159	0.0240	0.0600	0.808	0.068	8.19	0.0015	0.0013	1.1	0.047
	<b>% of values undetected</b>				10%	20%			100%			67%		40%		90%	100%	70%	80%
	<b># of values between MDL and PQL</b>				1	7		1			4	1		6		1		2	2
<b>MW13S</b>																			
	08/22/05	14.2	35.0	28.8	0.075	10.5	13.0	0.016			0.0110		0.385	0.016	2.66	0.0013	0.0013	0.28	0.016
	11/11/05	13.4	37.0	35.0	0.075	8.25	13.5	0.226			0.0180		0.788	0.016	2.78	0.0013	0.0013	0.09	0.016
	03/21/06	13.0	35.0	37.5	0.075	7.00	12.0	0.104			0.0016		0.664	0.016	3.10	0.0025	0.0025	0.16	0.016
	05/22/06	13.0	37.5	27.5	0.075	7.75	12.0	0.444			0.0380		0.846	0.016	2.77	0.0013	0.0013	0.16	0.016
	08/24/06	14.3	36.0	55.0	0.075	10.5	15.0	0.081	0.016	0.081	0.0040	0.0155	0.558	0.016	2.77	0.0008	0.0008	0.16	0.016
	10/31/06	12.8	37.0	26.2	0.075	8.00	14.0	0.280	0.016	0.274	0.0130	0.0700	0.751	0.016	2.20	0.0008	0.0008	0.16	0.080
	03/18/07	12.8	32.0	10.0	0.075	8.75	6.00	0.164	0.016	0.168	0.0210	0.0155	0.624	0.016	2.70	0.0008	0.0008	0.16	0.016
	05/11/07	13.0	33.5	33.8	0.075	4.00	12.5	0.172			0.0016		0.694	0.031	2.24	0.0008	0.0008	0.16	0.016
	08/22/07	13.4	34.5	16.3	0.075	7.00	13.4	0.062			0.0036		0.326	0.016	2.16	0.0008	0.0008	0.16	0.037
	11/14/07	13.1	38.0	56.3	0.0765	8.00	14.7	0.125			0.0159		0.676	0.016	2.34	0.0008	0.0008	0.16	0.417
	<b>Mean</b>	13.3	36.0	32.6	0.075	8.00	13.0	0.167	0.016	0.174	0.013	0.0337	0.631	0.017	2.57	0.0011	0.0011	0.16	0.064
	<b>Median</b>	13.1	36.0	31.3	0.075	8.00	13.0	0.145	0.016	0.168	0.012	0.0155	0.670	0.016	2.68	0.0008	0.0008	0.16	0.016
	<b>St. Deviation</b>	0.5	2	14.7	0	2	3	0.125	0	0.097	0.011	0.0315	0.167	0.0049	0.32	0.0006	0.0006	0.046	0.126
	<b># of values</b>	10	10	10	10	10	10	10	3	3	10	3	10	10	10	10	10	10	10
	<b>Minimum</b>	12.8	32.0	10.0	0.075	4.00	6.00	0.016	0.016	0.081	0.0016	0.0155	0.326	0.016	2.16	0.0008	0.0008	0.09	0.016
	<b>Maximum</b>	14.3	38.0	56.3	0.0765	10.5	15.0	0.444	0.016	0.274	0.0380	0.0700	0.846	0.031	3.10	0.0025	0.0025	0.28	0.417
	<b>% of values undetected</b>				100%			10%	100%		20%	67%		90%		100%	100%	80%	70%
	<b># of values between MDL and PQL</b>				5	1		2		1	4	1		1				2	2

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW13D</b>																					
	08/22/05	26700	818	0.185	0.0378	1.87	0.619	28.3	3.86	2.19	0.0450	0.333	0.0050	16.0	11.3	0.917	0.0078	20200	6410	8.74	0.420
	11/12/05	1120	8.20	0.0892	0.0698	0.125	0.125	4.94	4.57	0.0404	0.0075	0.0148	0.0050	5.40	6.80	0.0078	0.0078	6160	6320	1.05	0.582
	03/21/06	639	1.00	0.0452	0.0372	0.155	0.155	4.85	4.74	0.0354	0.0120	0.0250	0.0250	2.50	2.50	0.0125	0.0125	5670	5970	5.51	0.739
	05/22/06	148	2.90	0.0838	0.0308	0.155	0.155	4.18	3.83	0.0120	0.0120	0.0075	0.0075	3.18	1.79	0.0125	0.0125	6210	6280	1.19	0.469
	08/24/06	95.4	1.00	0.0554	0.0318	0.155	0.155	4.07	4.29	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5960	7150	1.70	0.940
	10/31/06	32.0	1.00	0.0075	0.0075	0.395	0.155	3.76	3.36	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	6140	5540	1.53	0.050
	03/18/07	15.5	1.00	0.0250	0.0250	0.155	0.155	2.99	3.00	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5420	5680	0.753	0.050
	05/11/07	13.6	2.49	0.0266	0.0432	0.155	0.155	2.84	2.88	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5800	6020	1.30	0.353
	08/22/07	7.91	1.00	0.0214	0.0150	0.155	0.155	2.61	2.51	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5950	5670	0.431	0.366
	11/14/07	18.3	1.00	0.0278	0.0282	0.155	0.155	3.02	3.10	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5910	6340	0.583	0.217
	<b>Mean</b>	2900	80.0	0.057	0.0326	0.350	0.198	6.20	3.61	0.240	0.015	0.040	0.0090	3.50	3.00	0.10	0.011	7300	6140	2.28	0.42
	<b>Median</b>	100	1.00	0.037	0.0313	0.160	0.155	3.90	3.60	0.0100	0.013	0.010	0.0080	1.30	1.30	0.010	0.0078	6000	6150	1.25	0.39
	<b>St. Deviation</b>	8400	260	0.052	0.0169	0.54	0.148	7.8	0.76	0.69	0.0106	0.1	0.006	4.6	3.4	0.287	0.0046	4500	470	2.69	0.283
	<b># of values</b>	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	<b>Minimum</b>	7.91	1.00	0.0075	0.0075	0.125	0.125	2.61	2.51	0.012	0.0075	0.0075	0.0050	1.25	1.25	0.0075	0.0075	5420	5540	0.43	0.050
	<b>Maximum</b>	26700	818	0.185	0.0698	1.87	0.619	28.3	4.74	2.19	0.045	0.333	0.0250	16.0	11.3	0.917	0.0185	20200	7150	8.74	0.94
	<b>% of values undetected</b>		60%	20%	20%	80%	90%			70%	90%	80%	90%	70%	70%	90%	100%				20%
	<b># of values between MDL and PQL</b>			4	6	1							1	2	2						
<b>MW13S</b>																					
	08/22/05	15.8	6.34	0.0266	0.0254	0.125	0.125	2.25	2.16	0.0075	0.0075	0.0130	0.0016	1.55	5.00	0.0078	0.0078	4530	4340	1.52	0.705
	11/11/05	10.4	2.75	0.0016		0.125	0.125	1.73	1.71	0.0075	0.0075	0.0016	0.0102	1.55	3.50	0.0078	0.0078	4250	4410	1.65	0.677
	03/21/06	5.51	4.37	0.0330	0.0416	0.453	0.155	1.59	1.61	0.0120	0.0120	0.0250	0.0250	2.15	2.50	0.0125	0.0125	4100	3840	1.83	1.25
	05/22/06	3.64		0.0376	0.0268	0.155	0.155	1.38	1.50	0.0120	0.0120	0.0075	0.0075	1.69	0.75	0.0125	0.0125	4110	4090	0.740	0.451
	08/24/06	3.47	3.28	0.0075	0.0075	0.155	0.155	1.25	1.33	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4510	4640	1.18	0.851
	10/31/06	2.90	2.49	0.0075	0.0075	0.155	0.155	1.43	1.45	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4040	4270	0.229	0.050
	03/18/07	13.4	4.00	0.0075	0.0075	0.155	0.155	1.46	1.33	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4050	4110	0.766	0.451
	05/11/07	6.62	5.28	0.0075		0.155	0.155	1.69	1.70	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0298	4140	4110	0.727	0.600
	08/22/07	6.04	5.76	0.0075	0.0075	0.155	0.155	1.89	1.83	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4320	4310	0.498	0.562
	11/14/07	3.57	2.48	0.0164	0.0150	0.155	0.155	1.67	1.66	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4260	4470	1.21	0.608
	<b>Mean</b>	7.10	4.10	0.015	0.017	0.179	0.149	1.63	1.63	0.011	0.011	0.0090	0.0090	1.4	1.9	0.011	0.013	4230	4260	1.04	0.62
	<b>Median</b>	5.80	4.00	0.0080	0.011	0.155	0.155	1.63	1.64	0.013	0.013	0.0080	0.0080	1.25	1.25	0.0078	0.010	4200	4290	0.970	0.60
	<b>St. Deviation</b>	4.5	1.5	0.013	0.013	0.097	0.013	0.29	0.25	0.0021	0.0021	0.006	0.006	0.3	1.35	0.0046	0.0074	180	230	0.53	0.31
	<b># of values</b>	10	9	10	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	<b>Minimum</b>	2.90	2.48	0.0016	0.0075	0.125	0.125	1.25	1.33	0.0075	0.0075	0.0016	0.0016	1.25	0.75	0.0075	0.0075	4040	3840	0.23	0.050
	<b>Maximum</b>	15.8	6.34	0.0376	0.0416	0.453	0.155	2.25	2.16	0.0125	0.0125	0.0250	0.0250	2.15	5.00	0.0185	0.0298	4530	4640	1.83	1.25
	<b>% of values undetected</b>			60%	50%	90%	100%			100%	100%	90%	90%	80%	90%	100%	90%				10%
	<b># of values between MDL and PQL</b>			3	3	1								2	1		1				

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Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Dissolved µg/L
<b>MW13D</b>																								
	08/22/05	3.87	0.146	7.05	0.613	7500	174	11.3	0.515	5940	821	64.5	2.93	<b>0.0310</b>	<b>0.100</b>	3.07	2.79	7.62	1.19	1840	471	<b>0.464</b>	<b>0.0775</b>	6020
	11/12/05	0.0726	0.0462	0.569	0.316	302	<b>3.10</b>	0.33	<b>0.050</b>	906	830	4.65	3.45	<b>0.0310</b>	<b>0.0310</b>	1.23	1.18	0.75		272	272	<b>0.0775</b>	<b>0.0775</b>	6020
	03/21/06	0.0888	0.0398	1.18	0.368	147	<b>10.0</b>	0.363	<b>0.0130</b>	1030	1000	3.70	1.66	<b>0.000475</b>	<b>0.000475</b>	1.72	2.07	2.66	1.75	265	254	<b>0.155</b>	<b>0.155</b>	6610
	05/22/06	0.0712	0.0266	0.831	0.416	56.7	<b>3.10</b>	0.336	0.139	951	937	4.66	1.21	<b>0.000475</b>	<b>0.0013</b>	1.95	1.72	1.63	0.594	253	248	<b>0.155</b>	<b>0.155</b>	6200
	08/24/06	0.0514	0.0332	0.763	0.357	62.2	<b>3.10</b>	0.195	<b>0.050</b>	978	1100	6.24	1.06	<b>0.000475</b>	<b>0.000475</b>	1.54	1.76	0.948	0.988	226	269	<b>0.155</b>	<b>0.155</b>	6760
	10/31/06	0.0466	<b>0.0152</b>	0.906	0.254	32.7	<b>3.10</b>	0.119	<b>0.050</b>	859	851	4.74	0.793	<b>0.000475</b>	<b>0.000475</b>	1.27	1.36	1.11	0.481	227	197	<b>0.155</b>	<b>0.155</b>	4970
	03/18/07	0.0284	<b>0.0100</b>	1.17	0.239	<b>10.0</b>	<b>3.10</b>	<b>0.050</b>	<b>0.0155</b>	844	883	2.27	0.656	<b>0.000555</b>	<b>0.000475</b>	1.65	1.79	0.656	0.597	220	233	<b>0.155</b>	<b>0.155</b>	6100
	05/11/07	0.0260	<b>0.0100</b>	1.82	0.302	<b>10.0</b>	<b>10.0</b>	<b>0.050</b>		903	989	1.04	0.560	<b>0.000169</b>	<b>0.000475</b>	1.47	1.56	0.777	0.568	213	230	<b>0.155</b>	<b>0.155</b>	5880
	08/22/07	0.0296	<b>0.0148</b>	0.972	0.304	<b>10.0</b>	<b>10.0</b>	<b>0.050</b>	<b>0.0155</b>	893	843	0.693	0.420	<b>0.000169</b>	<b>0.000475</b>	1.36	1.35	0.646	0.322	214	202	<b>0.155</b>	<b>0.155</b>	5490
	11/14/07	0.0218	<b>0.0164</b>	1.09	0.252	<b>17.1</b>	<b>9.30</b>	<b>0.050</b>	<b>0.0155</b>	864	919	1.16	0.403	<b>0.000169</b>	<b>0.000475</b>	1.25	1.40	0.493	0.416	231	247	<b>0.155</b>	<b>0.155</b>	6390
	<b>Mean</b>	0.430	0.0360	1.64	0.342	810	20.0	1.3	0.10	1420	920	9.40	1.31	0.00650	0.0140	1.65	1.70	1.73	0.770	400	262	0.178	0.140	6040
	<b>Median</b>	0.0500	0.0220	1.03	0.310	40.0	10.0	0.20	0.050	900	900	4.20	0.930	0.000500	0	1.51	1.64	0.860	0.594	230	248	0.155	0.155	6060
	<b>St. Deviation</b>	1.21	0.041	1.93	0.111	2350	50	3.5	0.162	1590	90	19.5	1.07	0.0129	0.032	0.55	0.47	2.17	0.46	510	77	0.103	0.033	520
	<b># of values</b>	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10
	<b>Minimum</b>	0.0218	0.0100	0.569	0.239	10.0	3.10	0.050	0.013	844	821	0.693	0.403	0.000169	0.000475	1.23	1.18	0.493	0.322	213	197	0.0775	0.0775	4970
	<b>Maximum</b>	3.87	0.146	7.05	0.613	7500	174	11.3	0.515	5940	1100	64.5	3.45	0.0310	0.100	3.07	2.79	7.62	1.75	1840	471	0.464	0.155	6760
	<b>% of values undetected</b>		20%			30%	80%	40%	78%					90%	80%							90%	100%	
	<b># of values between MDL and PQL</b>		3			1	1							1	2							1		
<b>MW13S</b>																								
	08/22/05	0.0404	0.0468	0.492	0.335	26.4	<b>3.10</b>	<b>0.0518</b>	<b>0.0634</b>	714	694	0.633	0.306	<b>0.0310</b>	<b>0.0310</b>	0.361	0.358	0.730	0.647	150	151	<b>0.0775</b>	<b>0.0775</b>	5140
	11/11/05	0.0320	0.0296	0.600	0.351	<b>14.5</b>	<b>3.10</b>	<b>0.050</b>	<b>0.050</b>	679	669	0.527	0.266	<b>0.0310</b>	<b>0.0310</b>	0.343		0.801	0.839	202	209	<b>0.0775</b>	<b>0.0775</b>	6100
	03/21/06	0.0358	0.0294	0.267		<b>10.0</b>	<b>10.0</b>	<b>0.0250</b>	<b>0.0250</b>	664	650	0.258	0.212	<b>0.000475</b>	<b>0.000475</b>	0.600	0.695	0.753	0.605	119	112	<b>0.155</b>	<b>0.155</b>	5590
	05/22/06	0.0226	0.0266	0.233	0.225	<b>3.10</b>	<b>3.10</b>	0.552	0.0738	666	681	0.201		<b>0.00127</b>	<b>0.00107</b>	0.438	0.286	0.414	0.376	140	140	<b>0.155</b>	<b>0.155</b>	4760
	08/24/06	0.0314	0.0274	0.305	0.294	<b>6.65</b>	<b>3.10</b>	0.107	<b>0.050</b>	724	760	0.201	0.156	<b>0.000475</b>	<b>0.000475</b>	0.292	0.307	0.478	0.460	166	170	<b>0.155</b>	<b>0.155</b>	5210
	10/31/06	<b>0.0172</b>	<b>0.0178</b>	0.743	0.681	<b>10.0</b>	<b>3.10</b>	<b>0.0155</b>	<b>0.050</b>	645	665	0.185	0.150	<b>0.000475</b>	<b>0.000475</b>	0.383	0.387	0.513	0.516	170	178	<b>0.155</b>	<b>0.155</b>	5050
	03/18/07	0.0248	<b>0.0100</b>	0.544	0.475	22.5	<b>3.10</b>	<b>0.050</b>	<b>0.050</b>	644	649	0.579	0.259	<b>0.000169</b>	<b>0.000475</b>	0.319	0.317	0.578	0.611	140	140	<b>0.155</b>	<b>0.155</b>	4750
	05/11/07	<b>0.0100</b>	<b>0.0100</b>	0.289	0.331	<b>10.0</b>	<b>10.0</b>	0.117		640	669	0.174	0.169	<b>0.000400</b>	<b>0.000475</b>	0.269	0.275	0.369	0.439	110	110	<b>0.155</b>	<b>0.155</b>	4040
	08/22/07	<b>0.0150</b>	<b>0.0162</b>	0.305	0.358	<b>10.0</b>	<b>10.0</b>	<b>0.050</b>	<b>0.050</b>	636	640	0.127	0.131	<b>0.000169</b>	<b>0.000475</b>	0.301	0.298	0.266	0.316	124	125	<b>0.155</b>	<b>0.155</b>	4940
	11/14/07	0.0208	<b>0.0178</b>	0.367	0.301	<b>10.5</b>	<b>7.29</b>	<b>0.0155</b>	<b>0.0155</b>	593	627	0.235	0.153	<b>0.000169</b>	<b>0.000475</b>	0.422	0.442	0.588	0.593	190	199	<b>0.155</b>	<b>0.155</b>	5580
	<b>Mean</b>	0.0250	0.0232	0.415	0.372	12.4	6.00	0.103	0.05	661	670	0.312	0.2	0.00660	0.00660	0.373	0.374	0.549	0.540	150	153	0.140	0.140	5120
	<b>Median</b>	0.0237	0.0222	0.336	0.335	10.0	3.00	0.050	0.050	655	667	0.218	0.169	0.000500	0.000500	0.352	0.317	0.546	0.555	150	146	0.155	0.155	5100
	<b>St. Deviation</b>	0.0097	0.0112	0.171	0.133	7.1	3	0.161	0.02	39	37	0.19	0.063	0.0129	0.0128	0.097	0.132	0.176	0.152	30	35	0.033	0.033	560
	<b># of values</b>	10	10	10	9	10	10	10	9	10	10	10	9	10	10	10	9	10	10	10	10	10	10	10
	<b>Minimum</b>	0.0100	0.0100	0.233	0.225	3.10	3.10	0.0155	0.0155	593	627	0.127	0.131	0.000169	0.000475	0.269	0.275	0.266	0.316	110	110	0.0775	0.0775	4040
	<b>Maximum</b>	0.0404	0.0468	0.743	0.681	26.4	10.0	0.552	0.0738	724	760	0.633	0.306	0.0310	0.0310	0.600	0.695	0.801	0.839	202	209	0.155	0.155	6100
	<b>% of values undetected</b>	10%	20%			50%	90%	60%	78%					80%	90%							100%	100%	
	<b># of values between MDL and PQL</b>	2	3			3	1	1	1					2	1									



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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW13D</b>													
	08/22/05	0.272	0.0031	15800	15100	0.108	0.0031	2.95	0.076	27.3	3.17	60.5	2.63
	11/12/05	0.0136	0.0031	4020	4070	0.0031	0.0031	0.100	0.031	1.17	1.02	1.76	0.75
	03/21/06	0.0072	0.0031	3910	4340	0.0025	0.0025	0.140	0.0155	0.572	0.110	3.06	2.65
	05/22/06	0.0031	0.0031	3250	3300	0.0210	0.0025	0.171	0.0155	0.563	0.381	1.09	1.47
	08/24/06	0.0184	0.0031	2890	3220	0.0050	0.0050	0.050	0.050	0.250	0.250	1.61	
	10/31/06	0.0031	0.0031	2550	2580	0.0050	0.0050	0.050	0.050	0.953	0.557	0.50	0.50
	03/18/07	0.0031	0.0031	3080	3340	0.0050	0.0050	0.050	0.050	0.547	0.508	2.14	1.30
	05/11/07	0.0031	0.0031	2830	3150	0.0674	0.0050	0.050	0.050	0.155	0.326	0.50	0.50
	08/22/07	0.0031	0.0031	2870	2640	0.0050	0.0050	0.050	0.050	0.155	0.155	2.01	1.06
	11/14/07	0.0031	0.0031	2450	2650	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	<b>Mean</b>	0.0300	0.0031	4400	4400	0.020	0.0041	0.40	0.044	3.20	0.660	7.4	1.3
	<b>Median</b>	0	0.0031	3000	3300	0.010	0.0050	0.10	0.050	0.600	0.350	1.7	1.06
	<b>St. Deviation</b>	0.08	0	4100	3800	0.04	0.0012	0.9	0.018	8.5	0.92	18.7	0.9
	<b># of values</b>	10	10	10	10	10	10	10	10	10	10	10	9
	<b>Minimum</b>	0.0031	0.0031	2450	2580	0.0025	0.0025	0.05	0.0155	0.155	0.110	0.50	0.50
	<b>Maximum</b>	0.272	0.0031	15800	15100	0.108	0.0050	2.95	0.076	27.3	3.17	60.5	2.65
	<b>% of values undetected</b>	60%	100%			70%	100%	70%	90%	40%	40%	30%	44%
	<b># of values between MDL and PQL</b>	3							1	2	4		
<b>MW13S</b>													
	08/22/05	0.0031	0.0031	2230	2190	0.0158	0.0031	0.031	0.031	0.339	0.355	0.75	0.75
	11/11/05	0.0031	0.0031	2240	2250	0.0031	0.0031	0.031	0.031	0.517	0.419	0.75	1.96
	03/21/06	0.0031	0.0031	1920	1890	0.0164	0.0025	0.0155	0.0964	0.250	0.110	1.71	1.99
	05/22/06	0.0031	0.0031	1880	1890	0.0086	0.0025	0.0155	0.0155	0.230	0.110	0.868	1.21
	08/24/06	0.0031	0.0031	2030	2100	0.0050	0.0050	0.050	0.050	0.250	0.250	2.28	
	10/31/06	0.0031	0.0031	2080	2150	0.0050	0.0050	0.050	0.050	1.25	1.01	0.155	0.155
	03/18/07	0.0031	0.0031	1880	1910	0.0050	0.0050	0.050	0.050	0.155	0.442	0.50	0.50
	05/11/07	0.0031	0.0031	1850	1900	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	
	08/22/07	0.0031	0.0031	2070	2010	0.0050	0.0050	0.050	0.050	0.155	0.155	2.15	2.53
	11/14/07	0.0031	0.0031	1990	2080	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	<b>Mean</b>	0.0031	0.0031	2020	2040	0.0070	0.0041	0.039	0.047	0.350	0.320	1.02	1.2
	<b>Median</b>	0.0031	0.0031	2010	2050	0.0050	0.0050	0.050	0.050	0.240	0.200	0.75	1.0
	<b>St. Deviation</b>	0	0	140	140	0.005	0.0012	0.015	0.021	0.34	0.27	0.75	0.87
	<b># of values</b>	10	10	10	10	10	10	10	10	10	10	10	8
	<b>Minimum</b>	0.0031	0.0031	1850	1890	0.0031	0.0025	0.0155	0.0155	0.155	0.11	0.155	0.155
	<b>Maximum</b>	0.0031	0.0031	2240	2250	0.0164	0.0050	0.050	0.096	1.25	1.01	2.28	2.53
	<b>% of values undetected</b>	100%	100%			70%	100%	100%	90%	60%	60%	60%	50%
	<b># of values between MDL and PQL</b>					2			1	2	2		

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW14D</b>																			
	11/10/05	62.9	235	157	1.2	0.79	58.5	0.05			0.200		6.67	0.070	45.8	0.0013	0.0013	0.11	0.284
	03/23/06	74.4	260	175	5.70	2.50	66.0	0.016			0.0098		6.70	0.048	57.8	0.0013	0.0013	0.35	0.293
	05/21/06	60.0	215	148	0.800	0.79	66.0	0.248			0.0150		4.30	0.071	42.5	0.0013	0.0013	0.16	0.211
	08/23/06	85.3	260	184	3.10	1.57	64.0	0.016	0.016	0.016	0.0046	0.0400	5.59	0.048	59.5	0.0008	0.0008	0.16	0.106
	11/03/06	107	380	234	1.80	1.57	71.0	0.016	0.016	0.016	0.0200	0.0600	7.53	0.155	96.1	0.0008	0.0008	0.44	0.165
	03/20/07	19.3	340	230	3.20	1.57	71.0	0.016	0.016	0.016	0.0400	0.0155	8.79	0.054	90.0	0.0008	0.0008	0.16	0.144
	05/09/07	170	470	335	3.90	3.25	79.0	0.050			0.0016		13.0	0.055	131	0.0008	0.0008	0.16	0.117
	08/20/07	114	385	244	0.600	1.57	71.2	0.092			0.0082		9.25	0.035	96.2	0.0008	0.0008	0.16	0.175
	11/12/07	137	46.0	315	0.303	1.57	74.1	0.038			0.0050		11.9	0.045	135	0.0008	0.0008	0.16	0.126
	<b>Mean</b>	92.0	290	225	2.3	1.69	69.0	0.06	0.016	0.016	0.030	0.0390	8.20	0.060	84.0	0.0009	0.0009	0.20	0.180
	<b>Median</b>	85.3	260	230	1.80	1.57	71.0	0.038	0.016	0.016	0.0098	0.0400	7.53	0.054	90.0	0.0008	0.0008	0.16	0.165
	<b>St. Deviation</b>	45	120	67	1.8	0.77	6	0.075	0	0	0.06	0.022	2.9	0.04	35	0.0003	0.0003	0.112	0.069
	<b># of values</b>	9	9	9	9	9	9	9	3	3	9	3	9	9	9	9	9	9	9
	<b>Minimum</b>	19.3	46	148	0.303	0.79	58.5	0.016	0.016	0.016	0.0016	0.0155	4.30	0.035	42.5	0.0008	0.0008	0.11	0.106
	<b>Maximum</b>	170	470	335	5.70	3.25	79.0	0.248	0.016	0.016	0.2000	0.0600	13.0	0.155	135	0.0013	0.0013	0.44	0.293
	<b>% of values undetected</b>					78%		67%	100%	100%	22%	33%		11%		100%	100%	67%	
	<b># of values between MDL and PQL</b>				1	2		2			3	2		8				3	
<b>MW14S</b>																			
	11/10/05	33.6	80.0	60.0	1.9	9.00	28.5	0.258			0.380		0.742	0.040	9.81	0.0025	0.0025	0.09	0.016
	03/23/06	30.3	90.0	52.5	0.075	15.0	30.0	0.266			0.0048		0.762	0.016	8.05	0.0013	0.0013	0.16	0.050
	05/21/06	35.0	90.0	71.2	2.70	7.25	34.0	0.331			0.0150		1.05	0.038	9.26	0.0013	0.0025	0.16	0.050
	08/23/06	32.3	75.0	67.5	0.300	20.8	28.0	0.206	0.016	0.206	0.0040	0.0155	0.927	0.047	9.54	0.0008	0.0008	0.16	0.016
	11/02/06	33.6	75.0	36.2	4.90	1.57	29.0	0.187	0.016	0.166	0.0170	0.0600	0.639	0.016	9.10	0.0008	0.0008	0.16	0.016
	03/20/07	34.9	70.0	46.3	0.500	8.00	31.0	0.233	0.016	0.237	0.0120	0.0155	0.910	0.044	7.65	0.0008	0.0008	0.16	0.016
	05/09/07	37.0	80.0	48.8	0.075	4.50	31.0	0.248			0.0064		0.940	0.045	8.40	0.0008	0.0008	0.16	0.016
	08/19/07	33.4	80.0	48.8	6.40	9.75	28.6	0.278			0.0102		0.722	0.016	7.53	0.0008	0.0008	0.35	0.112
	11/12/07	31.9	70.0	37.5	0.078	10.0	27.6	0.241			0.0128		0.635	0.035	9.49	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	33.6	79.0	52.1	1.9	10.0	30.0	0.250	0.016	0.203	0.050	0.0303	0.810	0.033	8.76	0.0011	0.0012	0.17	0.034
	<b>Median</b>	33.6	80.0	48.8	0.50	9.00	29.0	0.248	0.016	0.206	0.0120	0.0155	0.762	0.038	9.10	0.0008	0.0008	0.16	0.016
	<b>St. Deviation</b>	2	7	12.2	2.4	6	2	0.042	0	0.036	0.12	0.0257	0.15	0.013	0.87	0.0006	0.0008	0.071	0.033
	<b># of values</b>	9	9	9	9	9	9	9	3	3	9	3	9	9	9	9	9	9	9
	<b>Minimum</b>	30.3	70.0	36.2	0.075	1.57	27.6	0.187	0.016	0.166	0.0040	0.0155	0.635	0.016	7.53	0.0008	0.0008	0.09	0.016
	<b>Maximum</b>	37.0	90.0	71.2	6.40	20.8	34.0	0.331	0.016	0.237	0.380	0.0600	1.05	0.047	9.81	0.0025	0.0025	0.35	0.112
	<b>% of values undetected</b>				33%	11%			100%			67%		33%		100%	100%	78%	89%
	<b># of values between MDL and PQL</b>				1	3					3	1		6				2	

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Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW14D</b>																					
	11/10/05	252	6.06	0.768	0.724	1.53	1.09	17.9	16.1	0.0075	0.0075	0.0016	0.0016	6.30	7.10	0.0078	0.0078	21900	21100	15.1	0.534
	03/23/06	87.3	5.90	0.479		1.70	1.74	18.6		0.0120	0.0120	0.0250	0.0075	5.41	7.24	0.0125	0.0125	26400	32200	4.08	1.28
	05/21/06	19.7	4.94	0.312	0.282	1.63	1.51	12.9	12.3	0.0120	0.0120	0.0075	0.0075	3.35	4.28	0.0125	0.0125	21900	22200	4.10	0.826
	08/23/06	50.7	4.51	0.341	0.266	1.14		15.2	14.6	0.0125	0.0125	0.0075	0.0075	4.19	3.89	0.0185	0.0185	31100	34600	4.40	0.569
	11/03/06	94.6	4.36	0.209	0.206	1.82	1.72	17.3	18.0	0.0125	0.0125	0.0075	0.0075	5.41	5.54	0.0185	0.0185	39500	40800	3.14	0.050
	03/20/07	51.2	3.65	0.201	0.196	1.82	1.76	15.9	16.1	0.0125	0.0125	0.0075	0.0075	5.10	5.74	0.0075	0.0075	43100	44400	3.81	0.100
	05/09/07	27.8	3.44	0.197	0.215	2.26	1.73	20.2	16.7	0.0125	0.0125	0.0075	0.0075	7.81	6.93	0.0320	0.0075	63600	47500	3.03	0.340
	08/20/07	7.65	3.73	0.185	0.201	2.21	2.06	13.1	14.0	0.0125	0.0125	0.0075	0.0075	7.45	7.67	0.0075	0.0075	42500	45900	1.56	0.366
	11/12/07	4.71	3.06	0.167	0.174	2.04	1.61	14.7	15.2	0.0125	0.0125	0.0075	0.0075	7.96	7.37	0.0075	0.0075	51300	49400	1.11	0.240
	<b>Mean</b>	66.0	4.41	0.318	0.283	1.79	1.65	16.2	15.4	0.012	0.012	0.0090	0.0068	5.89	6.20	0.014	0.011	37900	37600	4.50	0.48
	<b>Median</b>	50.7	4.36	0.209	0.211	1.82	1.73	15.9	15.7	0.013	0.013	0.0075	0.0075	5.41	6.93	0.013	0.0078	39500	40800	3.81	0.37
	<b>St. Deviation</b>	77	1.06	0.197	0.182	0.35	0.28	2.5	1.8	0.0016	0.0016	0.006	0.002	1.62	1.4	0.0082	0.0047	14100	10700	4.1	0.39
	<b># of values</b>	9	9	9	8	9	8	9	8	9	9	9	9	9	9	9	9	9	9	9	9
	<b>Minimum</b>	4.71	3.06	0.167	0.174	1.14	1.09	12.9	12.3	0.0075	0.0075	0.0016	0.0016	3.35	3.89	0.0075	0.0075	21900	21100	1.11	0.050
	<b>Maximum</b>	252	6.06	0.768	0.724	2.26	2.06	20.2	18	0.0125	0.0125	0.0250	0.0075	7.96	7.67	0.032	0.019	63600	49400	15.1	1.28
	<b>% of values undetected</b>									100%	100%	100%	100%			89%	100%				22%
	<b># of values between MDL and PQL</b>													3	3	1					
<b>MW14S</b>																					
	11/10/05	23.7	2.56	0.0396	0.0242	0.259	0.293	2.10	1.77	0.0075	0.0075	0.0050	0.0016	5.20	1.55	0.0078	0.0078	10500	10900	0.843	0.642
	03/23/06	6.13	2.28	0.0382	0.0372	0.155	0.155	2.18	2.09	0.0120	0.0120	0.0250	0.0075	0.75	0.75	0.0125	0.0125	9480	9430	0.884	0.286
	05/21/06	186	1.00	0.0434	0.0352	0.616	0.155	3.95	1.91	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	11000	10500	2.61	0.494
	08/23/06	127	1.00	0.0226	0.0204	0.155	0.155	3.45	1.70	0.0125	0.0125	0.0158	0.0075	1.25	1.25	0.0185	0.0185	9850	10800	1.03	0.579
	11/02/06	369	1.00	0.0250	0.0250	0.939	0.155	5.79	1.88	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	10400	10400	2.89	0.050
	03/20/07	35.0	1.00	0.0250	0.0250	0.155	0.155	2.34	1.89	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10800	10400	1.33	0.342
	05/09/07	5.82	1.00	0.0494	0.0422	0.155	0.155	2.06	1.84	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	11600	10100	1.50	0.261
	08/19/07	737	1.00	0.0646	0.0276	1.70	0.155	10.1	1.71	0.0298	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10300	9730	6.85	0.595
	11/12/07	53.7	1.00	0.0364	0.0302	0.155	0.155	2.38	1.66	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9950	9530	2.41	0.274
	<b>Mean</b>	171	1.30	0.0382	0.0297	0.480	0.170	3.80	1.83	0.014	0.012	0.010	0.0068	1.6	1.2	0.011	0.011	10400	10200	2.26	0.39
	<b>Median</b>	53.7	1.00	0.0382	0.0276	0.155	0.155	2.38	1.84	0.013	0.013	0.0075	0.0075	1.3	1.3	0.0078	0.0078	10400	10400	1.50	0.34
	<b>St. Deviation</b>	242	0.6	0.0134	0.0071	0.54	0.046	2.7	0.13	0.0062	0.0016	0.006	0.002	1.38	0.26	0.0047	0.0047	600	500	1.89	0.197
	<b># of values</b>	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	<b>Minimum</b>	5.82	1.00	0.0226	0.0204	0.155	0.155	2.06	1.66	0.0075	0.0075	0.0050	0.0016	0.75	0.75	0.0075	0.0075	9480	9430	0.84	0.050
	<b>Maximum</b>	737	2.56	0.0646	0.0422	1.70	0.293	10.1	2.09	0.0298	0.0125	0.0250	0.0075	5.20	1.55	0.0185	0.0185	11600	10900	6.85	0.642
	<b>% of values undetected</b>		78%	22%	22%	56%	89%			89%	100%	89%	100%	89%	100%	100%	100%				11%
	<b># of values between MDL and PQL</b>			5	6	1	1			1		1		1							

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Dissolved µg/L
<b>MW14D</b>																								
	11/10/05	0.502	0.364	5.38	0.955	198	23.9	0.626	<b>0.050</b>	2000	1810	87.9	77.8	<b>0.0310</b>	<b>0.0310</b>	5.18	4.76	8.23	4.53	3030	2920	<b>0.0775</b>	<b>0.0775</b>	5030
	03/23/06	0.484	0.525	7.09	1.45	122	45.2	5.00	<b>0.0130</b>	1810		248		<b>0.00250</b>	<b>0.00250</b>	6.09		2.91		1330		<b>0.155</b>	<b>0.155</b>	4380
	05/21/06	0.367	0.315	3.35	0.535	126	54.3	1.53	<b>0.0468</b>	1270	1340	186	170	<b>0.00123</b>	<b>0.00147</b>	4.37	3.93	2.71	2.15	921	911	<b>0.155</b>	<b>0.155</b>	5010
	08/23/06	0.282	0.247	1.33	0.337	121	80.4	0.546	<b>0.050</b>	1840	1700	225	257	<b>0.00136</b>	<b>0.000475</b>	4.35	4.03	3.21	2.43	987	953	<b>0.155</b>	<b>0.155</b>	5270
	11/03/06	0.264	0.236	0.853	0.477	204	153	0.217	<b>0.050</b>	1910	1950	295	325	<b>0.000475</b>	<b>0.000475</b>	3.09	3.04	2.63	2.44	894	878	<b>0.155</b>	<b>0.155</b>	4740
	03/20/07	0.226	0.225	0.650	0.332	240	167	0.283	<b>0.0155</b>	2200	2320	243	250	<b>0.000485</b>	<b>0.00125</b>	3.00	3.22	3.45	3.71	928	928	<b>0.155</b>	<b>0.155</b>	5210
	05/09/07	0.253	0.208	0.978	0.462	239	155	0.186	<b>0.050</b>	2630	2290	350	294	<b>0.000169</b>	<b>0.000475</b>	3.06	2.52	4.24	3.31	953	800	<b>0.483</b>	<b>0.424</b>	4650
	08/20/07	0.153	0.156	0.405	0.355	104	39.9	0.119	<b>0.0155</b>	1920	2130	215	230	<b>0.000169</b>	<b>0.000475</b>	2.42	2.54	2.35	2.14	708	783	<b>0.155</b>	<b>0.155</b>	5970
	11/12/07	0.124	0.121	0.494	0.398	150	104	<b>0.050</b>	<b>0.0155</b>	2270	1930	238	231	<b>0.00147</b>	<b>0.000475</b>	2.34	2.40	2.08	2.04	745	726	<b>0.155</b>	<b>0.155</b>	5830
	<b>Mean</b>	0.295	0.266	2.28	0.590	167	91.0	0.95	0.034	1980	1930	232	229	0.00430	0.00430	3.77	3.31	3.53	2.84	1170	1110	0.183	0.176	5120
	<b>Median</b>	0.264	0.236	0.978	0.462	150	80.4	0.283	0.0468	1920	1940	238	241	0.00123	0.000475	3.09	3.13	2.91	2.44	928	890	0.155	0.155	5030
	<b>St. Deviation</b>	0.133	0.122	2.45	0.38	54	55	1.58	0.018	370	320	72	77	0.01	0.01	1.3	0.86	1.87	0.91	720	730	0.115	0.096	520
	<b># of values</b>	9	9	9	9	9	9	9	9	9	8	9	8	9	9	9	8	9	8	9	8	9	9	9
	<b>Minimum</b>	0.124	0.121	0.405	0.332	104	23.9	0.050	0.013	1270	1340	87.9	77.8	0.000169	0.000475	2.34	2.40	2.08	2.04	708	726	0.0775	0.0775	4380
	<b>Maximum</b>	0.502	0.525	7.09	1.45	240	167	5.00	0.050	2630	2320	350	325	0.0310	0.0310	6.09	4.76	8.23	4.53	3030	2920	0.483	0.424	5970
	<b>% of values undetected</b>							11%	89%					56%	78%							89%	89%	
	<b># of values between MDL and PQL</b>								1					4	2							1	1	
<b>MW14S</b>																								
	11/10/05	0.111	0.0982	8.90	9.22	51.8	<b>8.91</b>	<b>0.050</b>	<b>0.0155</b>	1780	1810	2.21	0.439	<b>0.0310</b>	<b>0.0310</b>	0.297	0.256	0.704	0.655	385	373	<b>0.248</b>	<b>0.0775</b>	5770
	03/23/06	0.0410	0.0390	18.6	15.9	<b>7.93</b>	<b>3.10</b>	<b>0.0130</b>		1610	1710	0.746	0.501	<b>0.000475</b>	<b>0.000475</b>	0.330	0.330	0.685	0.664	345	356	<b>0.155</b>	<b>0.155</b>	4980
	05/21/06	0.143	0.0524	7.37	2.91	218	<b>10.7</b>	0.153	<b>0.0276</b>	1830	1660	30.5	14.3	<b>0.00170</b>	<b>0.000475</b>	0.327	0.342	1.64	0.925	427	378	<b>0.155</b>	<b>0.155</b>	4870
	08/23/06	0.154	0.0278	1.99	0.834	202	<b>13.4</b>	0.244	<b>0.050</b>	1880	1780	25.9	0.707	<b>0.000475</b>	<b>0.000475</b>	0.248		0.924	0.578	361	379	<b>0.155</b>	<b>0.155</b>	5190
	11/02/06	0.275	0.0310	1.57	0.432	530	<b>10.0</b>	0.347	<b>0.0155</b>	1880	1810	39.2	1.71	<b>0.000475</b>	<b>0.000475</b>	0.348	0.293	2.03	0.849	400	365	<b>0.155</b>	<b>0.155</b>	5180
	03/20/07	0.0510	0.0272	1.26	1.18	56.1	<b>10.0</b>	<b>0.050</b>	0.148	1950	1890	4.57	0.619	<b>0.000169</b>	<b>0.000475</b>	0.291	0.290	1.26	1.03	390	373	<b>0.155</b>	<b>0.155</b>	5110
	05/09/07	0.0364	0.0256	0.725	0.506	24.1	<b>3.10</b>	<b>0.050</b>	<b>0.0155</b>	1960	1820	0.538	0.187	<b>0.000169</b>	<b>0.000475</b>	0.333	0.296	1.60	0.887	367	354	<b>0.155</b>	<b>0.155</b>	4990
	08/19/07	0.502	0.0418	3.23	0.943	948	<b>10.0</b>	0.676	<b>0.0155</b>	1850	1590	80.4	1.01	<b>0.00250</b>	<b>0.000475</b>	0.495	0.342	4.38	1.63	465	338	<b>0.155</b>	<b>0.155</b>	5210
	11/12/07	0.0558	<b>0.0180</b>	0.477	0.276	75.4	<b>11.3</b>	<b>0.050</b>	<b>0.0155</b>	1710	1650	4.20	0.255	<b>0.000359</b>	<b>0.000475</b>	0.333	0.291	1.43	0.561	370	353	<b>0.155</b>	<b>0.155</b>	5150
	<b>Mean</b>	0.152	0.0401	4.90	3.60	235	9.00	0.18	0.040	1830	1750	20.9	2.20	0.00410	0.00390	0.334	0.305	1.63	0.860	390	363	0.165	0.146	5160
	<b>Median</b>	0.111	0.0310	1.99	0.943	75.4	10.0	0.050	0.02	1850	1780	4.57	0.619	0.000475	0.000475	0.330	0.295	1.43	0.849	385	365	0.155	0.155	5150
	<b>St. Deviation</b>	0.152	0.0241	5.9	5.4	313	4	0.22	0.05	110	100	26.7	4.6	0.0101	0.0102	0.068	0.03	1.13	0.33	37	14	0.031	0.026	260
	<b># of values</b>	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9
	<b>Minimum</b>	0.0364	0.0180	0.477	0.276	7.93	3.10	0.013	0.0155	1610	1590	0.538	0.187	0.000169	0.000475	0.248	0.256	0.685	0.561	345	338	0.155	0.0775	4870
	<b>Maximum</b>	0.502	0.0982	18.6	15.9	948	13.4	0.676	0.148	1960	1890	80.4	14.3	0.0310	0.0310	0.495	0.342	4.38	1.63	465	379	0.248	0.155	5770
	<b>% of values undetected</b>							56%	56%	75%				78%	100%							89%	100%	
	<b># of values between MDL and PQL</b>		1			1	4		1					2								1		

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW14D</b>													
	11/10/05	0.0031	0.0031	20200	19000	0.0031	0.0031	7.65	1.31	0.640	0.532	6.01	4.15
	03/23/06	0.0031	0.0031	22100		0.0025	0.0025	1.93	0.308	0.533	0.395	2.56	2.32
	05/21/06	0.0031	0.0031	18600	18900	0.0064	0.0025	1.09	0.346	0.110	0.276	1.01	0.957
	08/23/06	0.0080	0.0031	25200	24800	0.0050	0.0112	1.15	1.33	0.250	0.793	1.18	
	11/03/06	0.0112	0.0066	29900	31400	0.0050	0.0050	1.40	0.600	0.250	0.250	0.50	1.10
	03/20/07	0.0031	0.0031	27100	30900	0.0050	0.0050	1.59	0.598	0.155	0.155	1.66	1.19
	05/09/07	0.0031	0.0031	45900	41400	0.0050	0.0050	2.00	0.975	0.367	0.155	1.46	0.50
	08/20/07	0.0031	0.0031	32900	36200	0.0050	0.0050	0.755	0.131	0.155	0.155	4.21	2.55
	11/12/07	0.0031	0.0031	41400	38400	0.0050	0.0050	0.511	0.050	0.155	0.320	0.50	1.16
	<b>Mean</b>	0.0050	0.0035	29300	30100	0.0047	0.0050	2.01	0.63	0.291	0.337	2.1	1.7
	<b>Median</b>	0.0031	0.0031	27100	31200	0.0050	0.0050	1.40	0.60	0.250	0.276	1.5	1.2
	<b>St. Deviation</b>	0.003	0.0012	9400	8600	0.0012	0.003	2.17	0.48	0.186	0.212	1.86	1.2
	<b># of values</b>	9	9	9	8	9	9	9	9	9	9	9	8
	<b>Minimum</b>	0.0031	0.0031	18600	18900	0.0025	0.0025	0.511	0.050	0.110	0.155	0.50	0.50
	<b>Maximum</b>	0.0112	0.0066	45900	41400	0.0064	0.0112	7.65	1.33	0.640	0.793	6.01	4.15
	<b>% of values undetected</b>	78%	89%			89%	89%		11%	67%	44%	22%	13%
	<b># of values between MDL and PQL</b>	2	1			1	1		1	1	4		
<b>MW14S</b>													
	11/10/05	0.0064	0.0031	2880	2930	0.0031	0.0031	0.031	0.031	0.227	0.289	0.75	0.75
	03/23/06	0.0031	0.0031	2460	2620	0.0025	0.0025	0.050	0.0155	0.221	0.110	1.30	
	05/21/06	0.0031	0.0031	3120	2900	0.0058	0.0025	0.0155	0.0155	0.414	0.311	1.46	0.990
	08/23/06	0.0122	0.0031	2700	2560	0.0050	0.0050	0.050	0.050	0.577	0.645	1.66	0.50
	11/02/06	0.0122	0.0031	2620	2610	0.0050	0.0050	0.050	0.050	1.80	0.766	5.01	1.29
	03/20/07	0.0031	0.0031	2730	2660	0.0136	0.0050	0.050	0.050	0.155	0.155	1.37	1.89
	05/09/07	0.0031	0.0031	2890	2670	0.0050	0.0050	0.050	0.050	0.155	0.155	1.31	0.50
	08/19/07	0.0142	0.0031	2670	2490	0.0050	0.0050	0.050	0.050	1.85	0.155	4.82	1.22
	11/12/07	0.0031	0.0031	2490	2390	0.0130	0.0050	0.050	0.050	0.155	0.155	2.15	0.50
	<b>Mean</b>	0.0070	0.0031	2730	2650	0.0060	0.0042	0.044	0.040	0.620	0.305	2.2	1
	<b>Median</b>	0.0031	0.0031	2700	2620	0.0050	0.0050	0.050	0.050	0.227	0.155	1.46	0.9
	<b>St. Deviation</b>	0.005	0	210	180	0.004	0.0012	0.012	0.015	0.7	0.239	1.58	0.5
	<b># of values</b>	9	9	9	9	9	9	9	9	9	9	9	8
	<b>Minimum</b>	0.0031	0.0031	2460	2390	0.0025	0.0025	0.0155	0.0155	0.155	0.110	0.75	0.50
	<b>Maximum</b>	0.0142	0.0031	3120	2930	0.0136	0.0050	0.050	0.050	1.85	0.766	5.01	1.89
	<b>% of values undetected</b>	56%	100%			67%	100%	100%	100%	33%	56%	11%	50%
	<b># of values between MDL and PQL</b>	4				3				4	4		



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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW1D</b>																			
	09/23/04	20.4	60.0	82.5	1.68	3.5	18.0	0.500			0.0500		0.769	0.103	6.34	0.0013	0.0013	0.35	0.016
	10/22/04	20.8	60.0	51.3	1.2	4.8	8.00	0.155			0.0155		1.11	0.016	7.76	0.0013	0.0013	0.17	0.016
	03/21/05	23.2	60.0	60.0	0.075	7.00	18.0	0.120			0.0443		0.885	0.043	7.82	0.0013	0.0013	0.12	0.016
	05/13/05	25.3	60.0	33.8	0.075	6.25	17.0	0.180			0.278		0.801	0.036	7.35	0.0013	0.0013	0.23	0.016
	08/17/05	22.1	60.0	56.3	0.80	3.75	20.0	0.094			0.0140		0.769	0.036	7.06	0.0025	0.0025	0.25	0.033
	11/11/05	21.4	60.0	47.5	0.075	3.00	17.5	0.159			0.0180		0.784	0.016	7.44	0.0013	0.0013	0.10	0.016
	03/21/06	21.8	60.0	40.0	0.200	4.50	21.0	0.198			0.0080		0.777	0.016	7.80	0.0013	0.0013	0.16	0.016
	05/22/06	18.8	65.0	40.0	0.075	4.25	20.0	0.240			0.0127		0.762	0.046	7.34	0.0025	0.0025	0.16	0.050
	08/22/06	23.8	55.0	61.2	0.075	4.50	17.0	0.319	0.016	0.290	0.0130	0.0800	0.767	0.048	7.53	0.0008	0.0008	0.16	0.016
	10/31/06	20.5	50.0	51.3	0.075	4.75	16.0	0.181	0.016	0.169	0.0200	0.0400	0.653	0.016	6.99	0.0008	0.0008	0.16	0.063
	03/19/07	22.1	50.0	22.5	0.075	1.57	21.0	0.114	0.016	0.104	0.0140	0.0600	0.670	0.016	6.85	0.0025	0.0025	0.16	0.016
	05/10/07	20.4	50.0	30.0	0.200	1.57	17.0	0.125			0.0094		0.818	0.046	6.96	0.0008	0.0008	0.16	0.016
	08/22/07	21.9	55.0	38.8	0.075	3.50	17.3	0.121			0.0042		0.685	0.037	6.84	0.0008	0.0008	0.16	0.042
	11/13/07	21.2	50.0	57.5	0.075	4.00	17.6	0.132			0.0319		0.701	0.036	7.05	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	21.7	57.0	48.1	0.30	4.10	18.0	0.188	0.016	0.188	0.040	0.0600	0.780	0.040	7.22	0.0013	0.0013	0.18	0.024
	<b>Median</b>	21.6	60.0	49.4	0.10	4.10	18.0	0.157	0.016	0.169	0.0100	0.0600	0.770	0.040	7.20	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.6	5	15.4	0.5	1.5	3	0.107	0	0.094	0.07	0.02	0.11	0.02	0.43	0.0007	0.0007	0.063	0.0159
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	18.8	50.0	22.5	0.075	1.57	8.00	0.0935	0.016	0.104	0.0042	0.0400	0.653	0.016	6.34	0.0008	0.0008	0.10	0.016
	<b>Maximum</b>	25.3	65.0	82.5	1.68	7.00	21.0	0.500	0.016	0.29	0.278	0.0800	1.11	0.103	7.82	0.0025	0.0025	0.35	0.063
	<b>% of values undetected</b>				64%	14%		14%	100%		7%			36%		100%	100%	57%	79%
	<b># of values between MDL and PQL</b>				2	10	1	1			6	3		8				6	3
<b>MW1M</b>																			
	09/24/04	20.2	60.0	52.5	0.632	1.57	17.5	1.30			0.0155		0.867	0.050	5.32	0.0027	0.0013	0.14	0.016
	10/29/04	20.1	60.0	41.3	5.0	1.57	20.0	0.330			0.0500		0.922	0.016	5.80	0.0013	0.0028	0.21	0.016
	03/21/05	22.8	55.0	55.0	0.075	9.00	17.0	0.090			0.0371		0.821	0.041	6.75	0.0013	0.0013	0.07	0.046
	05/13/05	23.8	55.0	36.2	0.075	6.25	17.0	0.18			0.160		0.770	0.036	6.00	0.0013	0.0013	0.16	0.016
	08/17/05	21.1	60.0	50.0	0.20	5.25	17.5	0.087			0.0110		0.754	0.016	5.82	0.0013	0.0013	0.20	0.016
	11/11/05	20.2	60.0	51.3	0.075	5.13	16.0	0.147			0.0140		0.731	0.038	6.41	0.0013	0.0013	0.09	0.016
	03/22/06	19.9	20.0	42.5	0.075	5.50	14.0	0.064			0.0060		0.748	0.016	7.02	0.0025	0.0025	0.16	0.016
	05/22/06	19.2	49.0	32.5	0.075	6.50	20.0	0.409			0.0070		0.737	0.043	4.82	0.0013	0.0013	0.16	0.050
	08/22/06	19.1	46.0	48.8	0.075	3.75	20.0	0.166	0.016	0.145	0.0060	0.0155	0.732	0.099	4.87	0.0025	0.0025	0.16	0.078
	10/31/06	19.3	50.0	37.5	0.075	6.00	15.0	0.110	0.016	0.103	0.0130	0.0400	0.685	0.016	6.04	0.0008	0.0008	0.16	0.063
	03/19/07	20.2	50.0	36.3	0.075	1.57	14.0	0.138	0.016	0.135	0.0200	0.0155	0.698	0.016	6.53	0.0008	0.0008	0.16	0.016
	05/10/07	20.3	45.0	6.25	0.075	3.50	17.0	0.124			0.0072		0.807	0.047	6.09	0.0008	0.0008	0.16	0.016
	08/22/07	20.8	50.0	37.5	0.300	3.50	17.5	0.102			0.0016		0.646	0.039	4.37	0.0008	0.0008	0.16	0.038
	11/12/07	19.4	50.0	58.8	0.300	4.00	17.5	0.140			0.0670		0.680	0.035	4.99	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	20.5	51.0	41.9	0.50	4.51	17.0	0.240	0.016	0.128	0.030	0.0237	0.757	0.036	5.77	0.0014	0.0014	0.15	0.030
	<b>Median</b>	20.2	50.0	41.9	0.10	4.57	17.0	0.140	0.016	0.135	0.010	0.0155	0.743	0.037	5.91	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.4	10	13.1	1.3	2.15	2	0.32	0	0.022	0.04	0.0141	0.076	0.022	0.8	0.0007	0.0007	0.035	0.0215
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	19.1	20.0	6.25	0.075	1.57	14.0	0.064	0.016	0.103	0.0016	0.0155	0.646	0.016	4.37	0.0008	0.0008	0.07	0.016
	<b>Maximum</b>	23.8	60.0	58.8	5.0	9.00	20.0	1.30	0.016	0.145	0.160	0.04	0.922	0.099	7.02	0.0027	0.0028	0.21	0.078
	<b>% of values undetected</b>				64%	21%			100%		14%	67%		43%		93%	93%	57%	71%
	<b># of values between MDL and PQL</b>			1	3	5		4			7	1		8		1	1	6	4

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW1D</b>																					
	09/23/04	187	12.5	0.0385	0.0385	0.264	0.279	2.36	1.39	0.0075	0.0075	0.750	0.750	1.55	5.40	0.0155	0.0155	6460	6920	1.05	0.100
	10/22/04	12.5	12.5	0.0385	0.0385	0.125	0.125	1.41	1.58	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	6540	6550	0.508	0.050
	03/21/05	2.85	0.45	0.0332	0.0264	0.193	0.192	1.30	1.55	0.0015	0.0015	0.0038	0.0038	1.71	1.45	0.0031	0.0031	7100	5800	1.30	0.325
	05/13/05	9.00	1.21	0.0100	0.0100	0.183	0.212	1.33	1.46	0.0015	0.0015	0.0038	0.0038	1.74		0.0031	0.0031	8020	6420	0.349	0.232
	08/17/05	95.1	2.13	0.0276	0.0292	0.125	0.125	2.62	1.47	0.0075	0.0075	0.0150	0.0016	5.00	3.20	0.0078	0.0078	6880	7100	1.94	0.811
	11/11/05	2.89	1.00	0.0300	0.0206	0.125	0.125	1.41	1.44	0.0075	0.0075	0.0188	0.0110	1.55	3.40	0.0078	0.0078	6710	7240	0.437	0.506
	03/21/06	3.40	2.13	0.0274	0.0272	0.155	0.155	1.50	1.45	0.0120	0.0120	0.0250	0.0250	0.75	0.75	0.0125	0.0125	7010	7500	0.827	0.310
	05/22/06	2.01	1.00	0.0278	0.0075	0.365	0.155	1.24	1.25	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	5790	5870	0.617	0.327
	08/22/06	3.85	1.00	0.0075	0.0075	0.155	0.155	1.57	1.29	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	7500	6890	0.320	0.050
	10/31/06	2.26	1.00	0.0075	0.0075	0.155	0.155	1.30	1.35	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	6430	6570	0.050	0.050
	03/19/07	18.6	1.00	0.0250	0.0250	0.367	0.155	1.52	1.34	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6960	6500	0.956	0.360
	05/10/07	3.39	1.00	0.0296	0.0222	0.155	0.155	1.30	1.09	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6330	5180	0.383	0.050
	08/22/07	4.61	3.18	0.0270	0.0322	0.155	0.155	1.46	1.43	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6920	7150	0.430	0.497
	11/13/07	1.00	1.00	0.0226	0.0234	0.155	0.155	1.40	1.44	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6750	6450	0.315	0.219
	<b>Mean</b>	25.0	3.0	0.025	0.023	0.191	0.164	1.55	1.40	0.0094	0.0094	0.12	0.11	1.6	1.9	0.010	0.010	6810	6580	0.68	0.28
	<b>Median</b>	4.00	1.0	0.028	0.024	0.155	0.155	1.41	1.44	0.012	0.012	0.010	0.010	1.3	1.3	0.0078	0.0078	6820	6560	0.47	0.27
	<b>St. Deviation</b>	53	4	0.0102	0.0108	0.082	0.041	0.41	0.13	0.004	0.004	0.27	0.27	1.03	1.34	0.0052	0.0052	540	630	0.5	0.222
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14
	<b>Minimum</b>	1.00	0.45	0.0075	0.0075	0.125	0.125	1.24	1.09	0.0015	0.0015	0.0038	0.0016	0.75	0.75	0.0031	0.0031	5790	5180	0.050	0.050
	<b>Maximum</b>	187	12.5	0.0385	0.0385	0.367	0.279	2.62	1.58	0.0125	0.0125	0.750	0.750	5.00	5.40	0.0185	0.0185	8020	7500	1.94	0.811
	<b>% of values undetected</b>	14%	64%	43%	50%	64%	79%			100%	100%	86%	93%	86%	69%	100%	100%			7%	36%
	<b># of values between MDL and PQL</b>			5	4	3	1							3							
<b>MW1M</b>																					
	09/24/04	77.3	3.90	0.0385	0.0385	0.125	0.125	2.26	1.34	0.0075	0.0075	0.750	0.750	1.55	4.10	0.0475	0.0434	6680	6780	1.25	0.421
	10/29/04	370	3.90	0.0951	0.0385	0.250	0.125	5.43	1.59	0.0075	0.0242	0.750	0.750	1.55	1.55	0.0702	0.0492	6520	6540	0.631	0.050
	03/21/05	2.01		0.0881		0.216	0.203	1.92	1.68	0.0015	0.0015	0.0038	0.0038	1.60	1.64	0.0254	0.0224	7250	5860	1.08	0.337
	05/13/05	3.89		0.0585	0.0436	0.205	0.203	2.02	2.03	0.0095	0.0015	0.0038	0.0038	2.04		0.0450	0.0165	7840	6380	0.774	0.192
	08/17/05	2.00	2.15	0.0016	0.0130	0.250	0.125	1.89	1.27	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	6850	6580	1.22	0.031
	11/11/05	8.66	1.00	0.0648	0.0496	0.309	0.294	1.76	1.61	0.0075	0.0075	0.0156	0.0112	3.80	1.55	0.0494	0.0078	6550	6580	1.10	0.408
	03/22/06	3.10	2.69	0.0664	0.0524	0.155	0.155	1.90	1.99	0.0120	0.0120	0.0250	0.0250	0.75	0.75	0.0125	0.0125	6490	6440	2.46	0.351
	05/22/06	2.69	1.00	0.0578	0.0516	0.155	0.155	1.66	1.72	0.0120	0.0120	0.0075	0.0075	0.75	1.56	0.0125	0.0125	6260	6430	1.85	0.259
	08/22/06	2.14	1.00	0.127	0.130	0.155	0.155	1.64	1.49	0.0125	0.0125	0.0075	0.0220	1.25	1.25	0.0185	0.0185	6250	5810	2.42	0.370
	10/31/06	1.00	1.00	0.0250	0.0250	0.155	0.155	1.74	1.69	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	6300	6460	3.76	0.050
	03/19/07	1.00	1.00	0.0706	0.0552	0.155	0.155	1.99	1.74	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0168	0.0162	6580	6550	4.36	0.346
	05/10/07	1.00	1.00	0.0490	0.0374	0.155	0.155	1.70	1.76	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6520	7170	3.18	0.320
	08/22/07	79.8	1.00	0.0648	0.0368	0.155	0.155	2.28	1.73	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6830	6860	2.25	0.544
	11/12/07	10.3	1.00	0.0764	0.0646	0.155	0.155	1.89	1.84	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0160	0.0075	6350	6690	1.51	0.324
	<b>Mean</b>	40.0	2.00	0.063	0.0490	0.185	0.165	2.15	1.68	0.010	0.011	0.110	0.120	1.5	1.6	0.025	0.018	6660	6510	1.99	0.29
	<b>Median</b>	3.00	1.00	0.065	0.0436	0.155	0.155	1.90	1.71	0.012	0.012	0.010	0.010	1.3	1.3	0.018	0.014	6540	6550	1.68	0.33
	<b>St. Deviation</b>	99	1	0.03	0.028	0.053	0.044	0.96	0.21	0.0033	0.0056	0.27	0.27	0.74	0.8	0.0196	0.0131	430	350	1.14	0.153
	<b># of values</b>	14	12	14	13	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14
	<b>Minimum</b>	1.00	1.00	0.0016	0.0130	0.125	0.125	1.64	1.27	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0075	0.0075	6250	5810	0.63	0.031
	<b>Maximum</b>	370	3.9	0.127	0.13	0.309	0.294	5.43	2.03	0.0125	0.0242	0.750	0.750	3.80	4.1	0.0702	0.0492	7840	7170	4.36	0.544
	<b>% of values undetected</b>	21%	83%	21%	23%	79%	79%			93%	93%	93%	86%	79%	77%	50%	64%				21%
	<b># of values between MDL and PQL</b>			2	2	1	1			1	1			1	1	2	5	4			1



## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW1D</b>													
	09/23/04	0.0031	0.0031	2300	2420	0.0125	0.0125	0.155	0.155	0.533	0.371	0.515	1.28
	10/22/04	0.0031	0.0031	2280	2360	0.0125	0.0125	0.155	0.155	0.125	0.200	0.75	0.75
	03/21/05	0.0032	0.0014	2450	1960	0.0295	0.0021	0.0302	0.0302	0.350	0.291	0.235	
	05/13/05	0.0014	0.0014	2440	1920	0.0021	0.0021	0.0302	0.0302	0.275	0.251	0.50	0.50
	08/17/05	0.0031	0.0031	2470	2770	0.0066	0.0031	0.031	0.0812	0.628	0.288	0.75	0.75
	11/11/05	0.0031	0.0031	2450	2670	0.0092	0.0031	0.031	0.031	0.311	0.388	0.75	0.75
	03/21/06	0.0031	0.0031	2210	2360	0.0025	0.0025	0.050	0.0155	0.110	0.110	2.67	1.05
	05/22/06	0.0031	0.0031	2300	2330	0.0054	0.0025	0.0155	0.0155	0.368	0.285	0.250	0.250
	08/22/06	0.0174	0.0031	2570	2360	0.0050	0.0050	0.050	0.050	0.250	0.250	4.68	1.41
	10/31/06	0.0031	0.0031	2330	2310	0.0050	0.0050	0.050	0.050	0.745	0.935	0.50	0.155
	03/19/07	0.0031	0.0031	2450	2310	0.0050	0.0050	0.050	0.050	0.686	0.155	1.49	0.50
	05/10/07	0.0031	0.0031	2460	2050	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	08/22/07	0.0031	0.0031	2580	2460	0.0050	0.0050	0.050	0.050	0.155	0.155	2.13	
	11/13/07	0.0031	0.0031	2290	2180	0.0050	0.0050	0.050	0.050	0.155	0.155	1.12	0.50
	<b>Mean</b>	0.0040	0.0029	2400	2320	0.0080	0.0050	0.060	0.058	0.346	0.285	1.2	0.7
	<b>Median</b>	0.0030	0.0031	2450	2350	0.0050	0.0050	0.050	0.050	0.293	0.251	0.75	0.60
	<b>St. Deviation</b>	0.004	0.0006	110	240	0.007	0.003	0.04	0.044	0.218	0.205	1.23	0.4
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	12
	<b>Minimum</b>	0.0014	0.0014	2210	1920	0.0021	0.0021	0.0155	0.0155	0.110	0.110	0.235	0.155
	<b>Maximum</b>	0.0174	0.0031	2580	2770	0.0295	0.0125	0.155	0.155	0.745	0.935	4.68	1.41
	<b>% of values undetected</b>	86%	100%			71%	100%	100%	93%	43%	50%	57%	75%
	<b># of values between MDL and PQL</b>	2				3			1	4	5	1	1
<b>MW1M</b>													
	09/24/04	0.0031	0.0031	2020	2040	0.0125	0.0125	0.155	0.155	0.283	0.391	4.03	1.58
	10/29/04	0.0180	0.0031	2120	2100	0.0125	0.0125	0.364	0.155	0.971	0.125	254	54.1
	03/21/05	0.0014	0.0014	2210	1710	0.018	0.0021	0.542	0.318	0.196	0.149	37.3	37.9
	05/13/05	0.0072	0.0014	2120	1620	0.0021	0.0021	0.168	0.0302	0.181	0.117	35.2	31.5
	08/17/05	0.0031	0.0031	2180	2380	0.0031	0.0031	0.031	0.031	0.100	0.583	30.4	0.233
	11/11/05	0.0170	0.0031	2150	2220	0.0096	0.0031	0.031	0.031	0.243	0.100	20.4	18.5
	03/22/06	0.0031	0.0031	2050	1880	0.0088	0.0025	0.147	0.173	0.110	0.110	18.1	15.3
	05/22/06	0.0031	0.0031	2060	2170	0.0025	0.0025	0.0155	0.0155	0.110	0.110	18.8	18.2
	08/22/06	0.0031	0.0031	1970	1830	0.0050	0.0050	0.050	0.050	0.250	0.250	17.4	12.4
	10/31/06	0.0031	0.0031	1980	2090	0.0050	0.0050	0.050	0.050	0.552	0.934	15.7	14.0
	03/19/07	0.0031	0.0031	2070	2090	0.0050	0.0050	0.050	0.050	0.323	0.155	18.0	16.7
	05/10/07	0.0031	0.0031	2180	2310	0.0050	0.0050	0.050	0.050	0.155	0.155	12.5	12.8
	08/22/07	0.0031	0.0031	2150	2170	0.0050	0.0050	0.108	0.050	0.155	0.155	19.1	11.0
	11/12/07	0.0031	0.0031	1970	2010	0.0050	0.0050	0.183	0.050	0.155	0.155	17.3	13.4
	<b>Mean</b>	0.0050	0.0029	2090	2040	0.0070	0.0050	0.14	0.090	0.270	0.249	37.0	18.4
	<b>Median</b>	0.0030	0.0031	2100	2090	0.0050	0.0050	0.079	0.050	0.189	0.155	18.0	14.7
	<b>St. Deviation</b>	0.005	0.0006	80	220	0.005	0.003	0.149	0.08	0.233	0.239	63	14.2
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	14
	<b>Minimum</b>	0.0014	0.0014	1970	1620	0.0021	0.0021	0.0155	0.0155	0.100	0.100	4.03	0.233
	<b>Maximum</b>	0.0180	0.0031	2210	2380	0.018	0.0125	0.542	0.318	0.971	0.934	254	54.1
	<b>% of values undetected</b>	79%	100%			79%	100%	57%	86%	50%	64%		7%
	<b># of values between MDL and PQL</b>	3				2		4		4	2		

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

December 2008

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW1S</b>																			
	09/25/04	5.54	20.0	55.0	3.05	3.5	5.50	0.155			0.0155		0.890	0.016	2.07	0.0026	0.0013	0.57	0.016
	10/29/04	5.10	17.0	20.0	4.2	6.00	5.00	0.155			0.0700		0.441	0.016	1.81	0.0045	0.0013	0.24	0.016
	05/13/05	5.64	17.0	15.0	35.9	11.6	3.50	0.220			0.246		0.805	0.016	1.11	0.0013	0.0013	0.21	0.016
	08/17/05	4.46	17.0	20.0	0.075	7.00	4.00	0.182			0.0130		0.871	0.016	1.70	0.0013	0.0013	0.26	0.016
	11/11/05	4.90	17.0	22.5	8.9	9.50	4.00	0.200			0.0260		0.831	0.016	1.69	0.0013	0.0013	0.12	0.016
	03/21/06	9.44	22.0	10.0	3.40	7.50	9.00	0.113			0.0080		0.755	0.016	2.21	0.0013	0.0013	0.16	0.043
	05/22/06	2.36	12.5	8.80	1.10	7.50	1.55	0.306			0.0050		1.09	0.016	1.01	0.0013	0.0013	0.16	0.050
	08/22/06	4.58	19.0	25.0	0.600	11.3	1.55	0.464	0.034	0.430	0.0080	0.0155	1.01	0.016	1.29	0.0008	0.0008	0.16	0.037
	10/31/06	3.12	14.0	11.3	0.400	9.50	1.55	0.281	0.016	0.271	0.0070	0.0155	0.836	0.016	1.03	0.0008	0.0008	0.16	0.102
	03/19/07	11.1	28.0	11.3	0.200	1.57	9.00	0.099	0.016	0.091	0.0120	0.0155	0.731	0.016	2.12	0.0008	0.0025	0.16	0.016
	05/10/07	3.29	12.0	1.55	0.075	3.25	1.55	0.143			0.0050		0.850	0.016	1.28	0.0008	0.0008	0.16	0.016
	08/22/07	5.83	18.0	11.3	0.075	6.50	4.98	0.178			0.0016		0.625	0.016	1.53	0.0008	0.0008	0.16	0.039
	11/13/07	3.92	15.0	15.0	0.150	7.50	3.66	0.180			0.0137		0.627	0.016	1.37	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	5.30	18.0	17.0	4.0	7.00	4.20	0.206	0.022	0.260	0.030	0.0155	0.800	0.016	1.56	0.0014	0.0012	0.20	0.030
	<b>Median</b>	4.90	17.0	15.0	0.60	7.50	4.00	0.180	0.016	0.271	0.012	0.0155	0.831	0.016	1.53	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	2.4	4	13	10	3	2.5	0.097	0.011	0.17	0.07	0	0.17	0	0.42	0.0011	0.00047	0.117	0.025
	<b># of values</b>	13	13	13	13	13	13	13	3	3	13	3	13	13	13	13	13	13	13
	<b>Minimum</b>	2.36	12.0	1.55	0.075	1.57	1.55	0.099	0.016	0.091	0.0016	0.0155	0.441	0.016	1.01	0.0008	0.0008	0.12	0.016
	<b>Maximum</b>	11.1	28.0	55.0	35.9	11.6	9.00	0.464	0.034	0.430	0.246	0.0155	1.09	0.016	2.21	0.0045	0.0025	0.57	0.102
	<b>% of values undetected</b>			8%	31%	8%	31%	15%	67%		23%	100%		100%		85%	100%	62%	69%
	<b># of values between MDL and PQL</b>			1	2	6	9	1	1	1	6					2		5	3
<b>MW2D</b>																			
	09/07/04	20.6	60.0	58.8	0.20	1.57	20.5	0.770			0.0155		0.833	0.047	1.51	0.0013	0.0013	0.63	0.016
	10/29/04	222																	
	10/30/04	21.9	60.0	26.3	2.7	1.57	25.0	0.155			0.0700		0.873	0.016	1.64	0.0013	0.0013	0.21	0.031
	03/22/05	24.9	55.0	43.8	0.40	0.785	25.0	0.040			0.209		0.774	0.037	1.51	0.0013	0.0013	0.10	0.016
	05/16/05	26.7	60.0	51.3	0.30	0.785	25.0	0.080			0.0845		0.755	0.034	1.48	0.0013	0.0013	0.13	0.016
	08/17/05	23.9	55.0	48.8	0.60	0.785	26.0	0.039			0.0180		0.721	0.016	1.43	0.0013	0.0013	0.22	0.031
	11/12/05	23.2	50.0	42.5	0.075	0.785	26.0	0.050			0.0230		0.712	0.016	1.48	0.0013	0.0013	0.09	0.016
	03/23/06	23.3	45.0	35.0	0.150	0.785	28.0	0.119			0.0130		0.732	0.016	1.56	0.0013	0.0013	0.16	0.050
	05/21/06	23.0	60.0	48.8	0.075	0.785	28.0	1.24			0.0069		0.723	0.039	1.50	0.0013	0.0013	0.16	0.050
	08/23/06	23.6	55.0	58.7	0.075	1.57	27.0	0.098	0.016	0.098	0.0100	0.0155	0.717	0.036	1.50	0.0008	0.0008	0.16	0.016
	11/02/06	25.4	55.0	11.2	0.075	1.57	28.0	0.016	0.016	0.016	0.0260	0.110	0.594	0.016	1.28	0.0008	0.0008	0.16	0.050
	03/22/07	24.5	50.0	27.5	0.400	1.57	29.0	0.050	0.016	0.065	0.0210	0.0155	0.735	0.040	1.42	0.0008	0.0008	0.16	0.016
	05/11/07	23.9	50.0	37.5	0.075	1.57	26.0	0.127			0.0134		0.732	0.041	1.39	0.0008	0.0008	0.16	0.016
	08/22/07	22.5	50.0	23.8	0.075	1.57	25.1	0.082			0.0057		0.581	0.016	1.16	0.0008	0.0008	0.16	0.016
	11/12/07	22.9	50.0	40.0	0.505	1.57	26.7	0.073			0.0207		0.605	0.033	1.26	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	37.0	54.0	39.6	0.40	1.23	26.0	0.21	0.016	0.059	0.040	0.0470	0.721	0.029	1.44	0.0010	0.0010	0.19	0.025
	<b>Median</b>	23.6	55.0	41.3	0.20	1.57	26.0	0.080	0.016	0.065	0.020	0.0155	0.728	0.034	1.48	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	51	5	13.8	0.7	0.4	2	0.35	0	0.041	0.05	0.055	0.083	0.012	0.13	0.00026	0.00026	0.132	0.0146
	<b># of values</b>	15	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	20.6	45.0	11.2	0.075	0.785	20.5	0.016	0.016	0.016	0.0057	0.0155	0.581	0.016	1.16	0.0008	0.0008	0.09	0.016
	<b>Maximum</b>	222	60.0	58.8	2.7	1.57	29.0	1.24	0.016	0.098	0.209	0.110	0.873	0.047	1.64	0.0013	0.0013	0.63	0.050
	<b>% of values undetected</b>				50%	100%		29%	100%	33%	7%	67%		43%		100%	100%	57%	92%
	<b># of values between MDL and PQL</b>				4			7		2	4			8				6	2



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Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW1S</b>																					
	09/25/04	120	12.5	0.0385	0.0385	0.125	0.125	3.40	2.10	0.0075	0.0075	0.750	0.750	1.55	3.50	0.0423	0.0155	1660	1700	0.790	0.546
	10/29/04	779	12.5	0.0385	0.0385	0.606	0.125	6.94	2.44	0.0075	0.0167	0.750	0.750	1.55	1.55	0.0708	0.136	1420	1320	0.404	0.050
	05/13/05	3300	54.1	0.0663	0.0100	1.93	0.0731	18.3	4.25	0.0519	0.0064	0.0197	0.0038	2.20		0.0487	0.0283	1490	1170	3.02	0.480
	08/17/05	45.7	7.82	0.0016	0.0050	0.125	0.125	2.88	2.45	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	1310	1200	1.96	0.031
	11/11/05	423	12.7	0.0288	0.0114	0.480	0.125	5.45	3.11	0.0214	0.0075	0.0150		3.30	5.70	0.0078	0.0078	1400	1430	1.37	0.416
	03/21/06	171	3.05	0.0300	0.0228	0.155	0.155	4.50	3.54	0.0120	0.0120	0.0250	0.0250	0.75	0.75	0.0125	0.0125	2720	2750	2.14	0.473
	05/22/06	125	20.0	0.0258	0.0075	0.155	0.155	3.65	3.17	0.0120	0.0120	0.0075	0.0075	1.79	1.51	0.0125	0.0125	650	699	0.747	0.100
	08/22/06	170	32.4	0.0075	0.0075	0.155	0.155	5.54	4.13	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	1390	1380	2.29	1.22
	10/31/06	46.2	15.2	0.0075	0.0075	0.155	0.155	4.01	4.02	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	925	948	0.886	0.050
	03/19/07	323	2.93	0.0250	0.0250	0.155	0.155	5.29	3.48	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0252	0.0216	3260	3620	1.87	0.369
	05/10/07	10.5	2.41	0.0154	0.0202	0.155	0.155	2.55	2.48	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0214	0.0204	973	952	1.50	0.253
	08/22/07	12.9	4.24	0.0560	0.0284	0.155	0.155	3.57	3.32	0.0125	0.0125	0.0075	0.0188	1.25	1.25	0.0308	0.0286	1800	1630	1.24	0.492
	11/13/07	50.1	12.2	0.0075	0.0075	0.155	0.155	4.52	4.02	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0308	0.0234	1210	1080	1.01	0.262
	<b>Mean</b>	430	14.8	0.027	0.018	0.350	0.139	5.40	3.27	0.015	0.011	0.12	0.13	1.6	1.8	0.0267	0.0270	1550	1530	1.48	0.36
	<b>Median</b>	125	12.5	0.026	0.011	0.155	0.155	4.50	3.32	0.013	0.013	0.0075	0.01	1.3	1.3	0.0214	0.0185	1400	1320	1.37	0.37
	<b>St. Deviation</b>	890	14.4	0.0196	0.012	0.5	0.024	4.1	0.73	0.0116	0.003	0.28	0.29	0.63	1.39	0.0182	0.033	720	810	0.75	0.32
	<b># of values</b>	13	13	13	13	13	13	13	13	13	13	13	12	13	12	13	13	13	13	13	13
	<b>Minimum</b>	10.5	2.41	0.0016	0.0050	0.125	0.0731	2.55	2.10	0.0075	0.0064	0.0016	0.0016	0.75	0.75	0.0078	0.0078	650	699	0.4	0.031
	<b>Maximum</b>	3300	54.1	0.0663	0.0385	1.93	0.155	18.3	4.25	0.0519	0.0167	0.750	0.750	3.30	5.7	0.0708	0.136	3260	3620	3.02	1.22
	<b>% of values undetected</b>		15%	54%	69%	77%	92%			85%	85%	85%	92%	77%	75%	46%	54%				31%
	<b># of values between MDL and PQL</b>			3	3	1				1	2	1	1	2	3	6	4				
<b>MW2D</b>																					
	09/07/04	12.5	12.5	0.112	0.203	4.82	4.69	1.56	1.47	0.0075	0.0075	0.750	0.750	5.00	1.55	0.0155	0.0155	7370	6950	5.67	4.39
	10/29/04	45200		0.134		18.7		461		1.30		0.750		1.55		0.499		64000		22.5	
	10/30/04	80.0	12.5	0.115	0.119	4.53	4.54	2.37	1.44	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	7830	7790	0.452	0.243
	03/22/05	17.8	5.96	0.140		5.40	5.01	1.43	1.57	0.0015	0.0015	0.0038	0.0038	1.83	1.44	0.0031	0.0031	8930	6810	3.10	1.42
	05/16/05	13.4	6.68	0.145	0.142	5.04	5.19	1.64	1.60	0.0015	0.0015	0.0038	0.0038	1.99		0.0064	0.0031	9730	7700	1.38	1.18
	08/17/05	12.7	6.33	0.0332		5.06	4.45	1.54	1.31	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	8490	7630	2.18	0.100
	11/12/05	8.21	5.89	0.111	0.117	4.96	5.28	1.35	1.45	0.0075	0.0075	0.0126	0.0124	1.55	1.55	0.0078	0.0078	8230	8850	1.63	1.26
	03/23/06	6.89	6.28	0.131	0.124	4.49	4.45	1.54	1.41	0.0120	0.0120	0.0250	0.0250	0.75	0.75	0.0125	0.0125	8310	7960	1.37	1.31
	05/21/06	6.10	5.83	0.122	0.135	4.70	5.29	1.36	1.43	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	8220	8630	1.71	1.41
	08/23/06	11.1	7.74	0.137	0.130	5.30	4.99	1.40	1.44	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	8380	8690	2.52	1.98
	11/02/06	19.8	19.2	0.118	0.122	4.67	4.57	1.53	1.63	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	9150	9740	1.74	1.62
	03/22/07	10.4	7.04	0.151	0.144	5.21	4.99	1.52	1.48	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8710	8450	1.59	1.01
	05/11/07	8.60	6.81	0.143	0.133	5.01	4.86	1.76	1.38	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8510	8260	2.37	1.51
	08/22/07	11.8	6.83	0.112	0.142	4.86	4.90	1.49	1.47	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8040	8830	2.44	2.07
	11/12/07	13.5	4.57	0.133	0.106	4.78	4.16	1.49	1.21	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8220	8010	3.76	1.58
	<b>Mean</b>	3000	8.20	0.122	0.135	5.80	4.81	32.0	1.45	0.10	0.0094	0.16	0.11	1.6	1.3	0.043	0.010	12100	8160	3.60	1.51
	<b>Median</b>	12.5	6.70	0.131	0.132	4.96	4.88	1.53	1.45	0.012	0.012	0.0075	0.010	1.3	1.3	0.0078	0.0078	8380	8140	2.18	1.42
	<b>St. Deviation</b>	11700	3.9	0.028	0.024	3.6	0.34	119	0.11	0.33	0.004	0.31	0.27	1	0.27	0.126	0.0052	14400	780	5.4	1
	<b># of values</b>	15	14	15	12	15	14	15	14	15	14	15	14	15	13	15	14	15	14	15	14
	<b>Minimum</b>	6.10	4.57	0.0332	0.106	4.49	4.16	1.35	1.21	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	7370	6810	0.45	0.100
	<b>Maximum</b>	45200	19.2	0.151	0.203	18.7	5.29	461	1.63	1.30	0.0125	0.750	0.750	5.00	1.55	0.499	0.0185	64000	9740	22.5	4.39
	<b>% of values undetected</b>	7%	15%							93%	107%	93%	99%	87%	99%	87%	107%				8%
	<b># of values between MDL and PQL</b>			3	1											1					

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Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW1S</b>																								
	09/25/04	0.0764		0.415	0.201	89.2	3.10	0.050	0.050	337	324	15.0	10.6	0.0310		0.155	0.155	0.510	0.665	140	118	0.155	0.155	3300
	10/29/04	0.485	0.167	1.64	0.100	597	3.10	0.542	0.050	376	268	52.7	8.95	0.0310	0.100	0.155	0.155	0.575	0.243	179	108	0.155	0.155	2590
	05/13/05	1.31	0.0699	4.50	0.586	2720	33.3	1.89	0.035	465	158	138	12.4	0.0315	0.0315	0.266	0.0787	1.94	0.719	536	362	0.113	0.0590	1060
	08/17/05	0.0474	0.0424	0.428		129	6.75	0.0644		290	267	8.09	6.36	0.0310	0.0310	0.0031		0.969	0.803	119	116	0.0775	0.0775	2800
	11/11/05	0.246	0.0394	1.49	0.431	373	16.4	0.355	0.183	341	299	29.6	7.65	0.0310	0.0310	0.112	0.0322	0.883	0.486	145	125	0.0775	0.0775	2900
	03/21/06	0.0628	0.0168	0.472	0.194	108	10.0	0.195	0.0130	642	672	5.71	1.50	0.000475	0.000475	0.124	0.159	1.02	0.647	126	112	0.155	0.155	3910
	05/22/06	0.0800	0.0402	0.751	0.455	60.4	3.10	0.210	0.0820	178	177	9.62	6.31	0.00106	0.00115	0.124	0.0075	0.614	0.375	90.5	83.5	0.155	0.155	1830
	08/22/06	0.119	0.0502	1.27	0.772	135	20.9	0.160	0.050	271	266	13.5	7.91	0.000475	0.000952	0.0774	0.0826	1.46	0.993	372	355	0.155	0.155	2520
	10/31/06	0.0474	0.0326	0.694	0.624	30.8	3.10	0.0155	0.0155	196	196	7.27	6.50	0.000475	0.000475	0.0392	0.0340	1.06	0.711	93.9	98.8	0.155	0.155	2130
	03/19/07	0.177	0.0100	0.902	0.323	282	3.10	0.257	0.0155	727	715	19.0	1.32	0.000169	0.000475	0.241	0.217	0.943	0.582	165	156	0.155	0.155	3970
	05/10/07	0.0242	0.0100	0.195	0.144	10.0	3.10	0.0155	0.050	210	218	4.38	4.74	0.000169	0.000475	0.0632	0.0492	0.813	0.472	77.2	81.0	0.155	0.155	2160
	08/22/07	0.0250	0.0190	0.355	0.260	10.0	10.0	0.050	0.050	323	299	3.80	3.38	0.000966	0.000475	0.101	0.0952	0.791	0.458	114	102	0.155	0.155	2730
	11/13/07	0.0382	0.0244	0.326	0.153	29.6	3.10	0.050	0.0155	218	198	5.67	4.17	0.000169	0.000475	0.0620	0.0250	0.628	0.399	99.4	89.9	0.155	0.155	2310
	<b>Mean</b>	0.210	0.0430	1.03	0.354	350	9.00	0.30	0.050	352	312	24.0	6.30	0.0123	0.0170	0.117	0.0910	0.940	0.581	174	147	0.140	0.136	2630
	<b>Median</b>	0.0764	0.036	0.694	0.292	108	3.10	0.16	0.050	323	267	9.62	6.36	0.000966	0.00100	0.112	0.081	0.883	0.582	126	112	0.155	0.155	2590
	<b>St. Deviation</b>	0.35	0.043	1.14	0.219	730	9	0.5	0.05	169	177	37	3.3	0.0155	0.03	0.075	0.067	0.39	0.203	132	96	0.03	0.037	800
	<b># of values</b>	13	12	13	12	13	13	13	12	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13
	<b>Minimum</b>	0.0242	0.0100	0.195	0.100	10.0	3.10	0.0155	0.013	178	158	3.80	1.32	0.000169	0.000475	0.0031	0.0075	0.510	0.243	77.2	81.0	0.0775	0.059	1060
	<b>Maximum</b>	1.31	0.167	4.50	0.772	2720	33.3	1.89	0.183	727	715	138	12.4	0.0315	0.100	0.266	0.217	1.94	0.993	536	362	0.155	0.155	3970
	<b>% of values undetected</b>		17%		8%	15%	69%	38%	83%					85%	83%	23%	33%					92%	92%	8%
	<b># of values between MDL and PQL</b>	1	2				2	1						2	2	1	3						1	
<b>MW2D</b>																								
	09/07/04	0.0500	0.0500	0.307	0.100	73.9	10.0	0.050	0.050	527	507	0.500	0.500			0.155	0.155	2.60	2.20	314	301	0.155	0.155	5580
	10/29/04	21.3		43.6		35700		22.6		15200		1870		0.706		0.438		35.9		4230		0.844		
	10/30/04	0.0500	0.0500	0.297	0.224	69.5	3.10	0.121	0.050	567	568	3.99	0.250	0.0310	0.0310	0.155	0.155	0.535	0.100	344	327	0.155	0.155	4820
	03/22/05	0.0810	0.0750	0.824	0.152	16.9	4.37	0.0516	0.011	624	570	0.666	0.298	0.0315	0.0315	0.290	0.231	1.42	0.768	359	310	0.0511	0.0332	4360
	05/16/05	0.0307	0.0198	0.176	0.102	11.3	3.88	0.035	0.035	588	586	0.381	0.189	0.0315	0.0315	0.201	0.220	0.547	0.547	329	330	0.0338	0.032	5160
	08/17/05	0.0324	0.0316	0.590	0.203	21.7	3.10	0.070	0.0155	647	598	0.436	0.100	0.0310	0.0310	0.0100		0.976	0.710	373	334	0.0775	0.0775	5570
	11/12/05	0.0284	0.0282	0.318	0.173	7.79	3.10	0.050	0.050	631	662	0.413	0.100	0.0310	0.0310	0.159		0.833	0.68	353	371	0.0775	0.0775	5610
	03/23/06	0.0350	0.0286	0.238	0.149	3.10	3.10	0.0830		606	604	0.247	0.161	0.000475	0.000475	0.154	0.152	0.752	0.644	343	327	0.155	0.155	5180
	05/21/06	0.0342	0.0286	0.216	0.138	8.11	3.10	0.0286		609	684	0.173	0.118	0.000475	0.000475	0.0932		0.714	0.634	356	370	0.155	0.155	5480
	08/23/06	0.0296	0.0252	0.264	0.228	20.9	14.9	0.050	0.050	655	631	0.403	0.201	0.000475	0.000475	0.234	0.225	1.13	0.841	351	353	0.155	0.155	5100
	11/02/06	0.0238	0.0220	0.334	0.271	10.0	10.0	0.050	0.108	616	656	0.305	0.215	0.000475	0.000475	0.205	0.220	0.942	0.850	348	395	0.155	0.155	4460
	03/22/07	0.0234	0.0100	0.359	0.212	10.0	10.0	0.050	0.050	667	668	0.287	0.159	0.000169	0.00138	0.217	0.228	0.984	0.755	359	360	0.155	0.155	5160
	05/11/07	0.0236	0.0100	0.249	0.208	10.0	10.0	0.050	0.0155	639	632	0.304	0.192	0.000169	0.000475	0.220	0.199	1.10	0.803	324	317	0.155	0.155	4830
	08/22/07	0.0258	0.0194	0.352	0.229	10.0	10.0	0.050	0.0155	580	596	0.591	0.237	0.000169	0.000475	0.225	0.236	1.19	0.973	320	354	0.155	0.155	5150
	11/12/07	0.0374	0.0156	0.328	0.152	27.7	3.10	0.101	0.0155	589	532	0.838	0.174	0.000169	0.000475	0.264	0.199	1.94	0.768	343	306	0.155	0.155	4570
	<b>Mean</b>	1.50	0.0296	3.20	0.182	2400	7.00	2.0	0.039	1600	607	130	0.207	0.0620	0.0124	0.201	0.202	3.40	0.810	600	340	0.176	0.126	5070
	<b>Median</b>	0.0324	0.0267	0.318	0.188	11.3	4.00	0.050	0.043	616	601	0.413	0.191	0	0.000475	0.205	0.220	0.984	0.760	348	332	0.155	0.155	5160
	<b>St. Deviation</b>	5.5	0.0179	11.2	0.051	9200	4	6	0.028	3800	52	480	0.101	0.186	0.0155	0.095	0.033	9	0.45	1000	28	0.19	0.048	420
	<b># of values</b>	15	14	15	14	15	14	15	12	15	14	15	14	14	13	15	11	15	14	15	14	15	14	14
	<b>Minimum</b>	0.0234	0.0100	0.176	0.100	3.10	3.10	0.0286	0.011	527	507	0.173	0.100	0.000169	0.000475	0.0100	0.152	0.535	0.100	314	301	0.0338	0.0320	4360
	<b>Maximum</b>	21.3	0.0750	43.6	0.271	35700	14.9	22.6	0.108	15200	684	1870	0.500	0.706	0.0315	0.438	0.236	35.9	2.20	4230	395	0.844	0.155	5610
	<b>% of values undetected</b>	13%	31%		8%	33%	84%	53%	98%					93%	92%	20%	19%					80%	92%	
	<b># of values between MDL and PQL</b>		3			2	3	4						1	1							3	2	

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**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW1S</b>													
	09/25/04	0.0031	0.0031	1260	1310	0.0286	0.0125	0.155	0.155	0.478	0.287	1.06	0.617
	10/29/04	0.0062	0.0031	1290	1180	0.0125	0.0125	0.155	0.155	1.29	0.125	4.79	0.75
	05/13/05	0.0204	0.0014	1710	1190	0.0242	0.00656	0.143	0.0302	5.31	0.0135	8.78	1.18
	08/17/05	0.0031	0.0031	1540	1490	0.0031	0.0031	0.031	0.031	0.100	0.326	0.75	0.75
	11/11/05	0.0031	0.0031	1480	1540	0.0080	0.0031	0.031	0.031	0.757	0.100	2.98	0.75
	03/21/06	0.0031	0.0031	1630	1700	0.0025	0.0025	0.0155	0.0155	0.110	0.110	3.73	2.14
	05/22/06	0.0031	0.0031	1080	1050	0.0086	0.0025	0.0155	0.0155	0.110	0.110	2.99	1.67
	08/22/06	0.0031	0.0031	2060	2110	0.0050	0.0050	0.050	0.050	0.250	0.250	2.05	1.75
	10/31/06	0.0031	0.0031	1330	1410	0.0050	0.0050	0.050	0.050	0.250	0.909	0.50	0.50
	03/19/07	0.0031	0.0031	1570	1620	0.0050	0.0050	0.050	0.050	0.605	0.155	3.15	1.13
	05/10/07	0.0031	0.0031	1110	1160	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	08/22/07	0.0031	0.0031	1410	1260	0.0050	0.0050	0.050	0.050	0.155	0.155	3.10	1.71
	11/13/07	0.0031	0.0031	1300	1250	0.0050	0.0050	0.050	0.050	0.155	0.155	1.32	0.50
	<b>Mean</b>	0.0050	0.0030	1440	1410	0.0090	0.0060	0.070	0.060	0.750	0.219	2.8	1.1
	<b>Median</b>	0.0031	0.0031	1410	1310	0.0050	0.0050	0.050	0.050	0.250	0.155	3.0	0.75
	<b>St. Deviation</b>	0.005	0.0005	270	290	0.008	0.003	0.05	0.05	1.41	0.223	2.26	0.57
	<b># of values</b>	13	13	13	13	13	13	13	13	13	13	13	13
	<b>Minimum</b>	0.0031	0.0014	1080	1050	0.0025	0.0025	0.0155	0.0155	0.100	0.0135	0.50	0.50
	<b>Maximum</b>	0.0204	0.0031	2060	2110	0.0286	0.0125	0.155	0.155	5.31	0.909	8.78	2.14
	<b>% of values undetected</b>	85%	100%			69%	92%	92%	100%	62%	69%	23%	46%
	<b># of values between MDL and PQL</b>	1				3	1	1		1	4	1	1
<b>MW2D</b>													
	09/07/04	0.0031	0.0031	1460	1410	0.0125	0.0125	0.155	0.155	1.89	1.62	0.235	0.235
	10/29/04	0.353		9720		0.118		2.11		45.6		109	
	10/30/04	0.0100		1570	1600	0.0125	0.0125	0.155	0.155	2.02	1.87	0.75	0.235
	03/22/05	0.0014	0.0066	1560	1240	0.0108	0.0021	0.155	0.0302	2.26	2.10	0.779	0.235
	05/16/05	0.0014	0.0014	1740	1200	0.0021	0.0021	0.134	0.0302	2.05	2.06	0.235	0.50
	08/17/05	0.0031	0.0031	1710	1560	0.0031	0.0031	0.031	0.031	1.93	2.06	0.75	0.75
	11/12/05	0.0031	0.0031	1700	1730	0.0031	0.0031	0.031	0.031	1.99	2.19	0.75	0.75
	03/23/06	0.0031	0.0031	1640	1600	0.0025	0.0025	0.050	0.110	1.87	1.73	1.45	1.19
	05/21/06	0.0031	0.0031	1660	1890	0.0074	0.0025	0.0155	0.0155	1.59		0.605	0.653
	08/23/06	0.0031	0.0031	1700	1640	0.0050	0.0050	0.050	0.050	1.77	2.29	0.50	1.63
	11/02/06	0.0031	0.0031	1640	1750	0.0050	0.0050	0.050	0.050	2.83	2.87	0.50	1.65
	03/22/07	0.0031	0.0031	1780	1760	0.0050	0.0122	0.050	0.050	1.84	1.76	1.59	1.11
	05/11/07	0.0031	0.0031	1650	1640	0.0050	0.0050	0.050	0.050	2.05	1.90	0.50	0.50
	08/22/07	0.0031	0.0031	1550	1670	0.0050	0.0050	0.050	0.050	1.83	1.66	6.34	1.96
	11/12/07	0.0031	0.0031	1580	1410	0.0050	0.0050	0.050	0.050	1.57	1.52	0.50	0.50
	<b>Mean</b>	0.0300	0.0000	2180	1580	0.010	0.0060	0.20	0.060	4.90	1.97	8.0	0.85
	<b>Median</b>	0.0031	0.0031	1650	1620	0.0050	0.0050	0.050	0.050	1.93	1.9	0.75	0.70
	<b>St. Deviation</b>	0.09	0	2090	200	0.03	0.004	0.5	0.05	11.3	0.36	28	0.57
	<b># of values</b>	15	13	15	14	15	14	15	14	15	13	15	14
	<b>Minimum</b>	0.0014	0.0014	1460	1200	0.002125	0.002125	0.0155	0.0155	1.57	1.52	0.235	0.235
	<b>Maximum</b>	0.353	0.00657	9720	1890	0.118	0.0125	2.11	0.155	45.6	2.87	109	1.96
	<b>% of values undetected</b>	93%	99%			80%	99%	80%	99%			60%	61%
	<b># of values between MDL and PQL</b>		1			1	1	2				1	

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW3D</b>																			
	05/16/05	82.5	155	109	15.1	5.50	46.5	0.240			0.0980		0.800	0.089	28.6	0.0013	0.0013	0.29	0.016
	08/22/05	66.8	145	87.5	0.075	3.63	43.5	0.197			0.0230		0.746	0.071	28.3	0.0013	0.0013	0.27	0.016
	03/24/06	61.9	150	83.7	0.147	3.50	179	0.394			0.0130		0.788	0.063	30.5	0.0025	0.0025	0.16	0.107
	05/23/06	61.2	150	92.5	2.20	5.75	7.00	0.172			0.0280		0.769	0.113	28.7	0.0013	0.0013	0.16	0.050
	11/02/06	62.7	140	100	2.70	3.75	45.0	0.063	0.016	0.050	0.0340	0.100	0.654	0.069	27.3	0.0008	0.0020	0.16	0.703
	08/17/07	58.4	150	98.8	0.150	7.75	45.2	0.240			0.0181		0.660	0.083	27.0	0.0008	0.0008	0.16	0.063
	11/11/07	60.2	150	103	2.10	4.50	47.0	0.246			0.0270		0.685	0.083	27.1	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	64.8	150	96.0	3.0	4.91	59.0	0.222	0.016	0.050	0.0340	0.100	0.729	0.080	28.2	0.0012	0.0014	0.19	0.139
	<b>Median</b>	61.9	150	98.8	2.1	4.50	45.2	0.240	0.016	0.050	0.0270	0.100	0.746	0.083	28.3	0.0013	0.0013	0.16	0.050
	<b>St. Deviation</b>	8.2	0	9	5	1.54	55	0.099	NA	NA	0.029	NA	0.062	0.02	1.2	0.0006	0.0006	0.061	0.251
	<b># of values</b>	7	7	7	7	7	7	7	1	1	7	1	7	7	7	7	7	7	7
	<b>Minimum</b>	58.4	140	83.7	0.075	3.50	7.00	0.063	0.016	0.050	0.0130	0.100	0.654	0.063	27.0	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	82.5	155	109	15.1	7.75	179	0.394	0.016	0.050	0.0980	0.100	0.800	0.113	30.5	0.0025	0.0025	0.29	0.703
	<b>% of values undetected</b>				43%				100%							100%	86%	71%	57%
	<b># of values between MDL and PQL</b>					5	1	1		1				6			1	2	1
<b>MW5D</b>																			
	09/24/04	77.3	260	201	4.21	1.57	79.5	4.25			0.330		0.983	0.416	57.1	0.0038	0.0013	0.21	0.050
	10/19/04	79.9	255	154	2.81	1.57	72.0	0.155			0.410		0.990	0.219	59.7	0.005	0.0013	0.37	0.016
	03/18/05	98.2	255	155	2.5	4.25	74.0	0.016			0.566		0.853	0.321	62.0	0.0013	0.0013	0.21	0.068
	05/11/05	111	265	195	1.8	0.79	78.0	0.016			0.0105		0.823	0.303	60.8	0.0013	0.0013	0.21	0.049
	08/18/05	98.3	250	176	4.4	4.25	71.0	0.016			0.610		0.788	0.246	63.2	0.0025	0.0025	0.23	0.016
	11/09/05	91.6	250	181	3.8	3.75	72.0	0.050			0.680		0.792	0.270	59.6	0.0013	0.0013	0.10	0.049
	03/23/06	96.8	230	115	5.10	8.50	70.0	0.510			0.590		0.803	0.166	61.3	0.0013	0.0013	0.16	0.050
	05/18/06	110	250	185	0.400	5.00	70.0	0.070			0.535		0.792	0.305	57.1	0.0013	0.0013	0.16	0.038
	08/17/06	103	250	183	2.30	5.50	67.0	0.016	0.016	0.016	0.521	0.400	0.797	0.237	59.5	0.0008	0.0020	0.16	0.050
	10/29/06	107	230	172	0.075	8.25	68.0	0.050	0.016	0.050	0.564	0.0600	0.671	0.244	53.9	0.0008	0.0030	0.16	0.016
	03/15/07	106	230	226	1.50	9.50	68.0	0.016	0.016	0.016	2.32	0.650	0.676	0.244	60.7	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	98.0	250	177	2.6	4.81	72.0	0.47	0.016	0.027	0.650	0.370	0.815	0.270	59.5	0.002	0.0016	0.19	0.038
	<b>Median</b>	98.3	250	181	2.5	4.25	71.0	0.050	0.016	0.016	0.564	0.400	0.797	0.246	59.7	0.0013	0.0013	0.16	0.049
	<b>St. Deviation</b>	11	10	29	1.6	2.95	4	1.26	0	0.020	0.58	0.3	0.101	0.065	2.6	0.0014	0.00067	0.07	0.019
	<b># of values</b>	11	11	11	11	11	11	11	3	3	11	3	11	11	11	11	11	11	11
	<b>Minimum</b>	77.3	230	115	0.075	0.79	67.0	0.016	0.016	0.016	0.0105	0.0600	0.671	0.166	53.9	0.0008	0.0008	0.10	0.016
	<b>Maximum</b>	111	265	226	5.10	9.5	79.5	4.25	0.016	0.050	2.32	0.650	0.990	0.416	63.2	0.005	0.003	0.37	0.068
	<b>% of values undetected</b>				9%	27%		73%	100%	100%						82%	82%	45%	64%
	<b># of values between MDL and PQL</b>				1	6		1				1				1	2	6	4

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium		
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW3D</b>																						
	05/16/05	8650	2.26	0.308	0.0766	9.76	0.966	95.3	3.56	0.346	<b>0.0015</b>	0.0432	<b>0.0038</b>	3.22		0.159	<b>0.0031</b>	21000	18200	8.25	<b>0.140</b>	
	08/22/05	28.7	2.71	0.067	0.0506	1.40	1.04	3.01	2.47	<b>0.0075</b>	<b>0.0075</b>	0.0146	<b>0.0016</b>	<b>1.55</b>	<b>5.00</b>	<b>0.0078</b>	<b>0.0078</b>	18500	16000	0.766	0.340	
	03/24/06	12.7		0.0596		0.567		3.00	2.90	<b>0.0120</b>	<b>0.0600</b>	<b>0.0075</b>	<b>0.0375</b>	<b>0.75</b>	<b>3.75</b>	<b>0.0125</b>	<b>0.0625</b>	16800	17200	0.217		
	05/23/06	112	<b>1.00</b>	0.0938	0.0542	0.849	0.727	4.11	2.73	<b>0.0120</b>	<b>0.0120</b>	<b>0.0075</b>	<b>0.0075</b>	<b>2.12</b>	<b>2.44</b>	<b>0.0125</b>	<b>0.0125</b>	16700	17400	0.378	0.296	
	11/02/06	85.4	<b>1.00</b>	<b>0.0250</b>	<b>0.0250</b>	<b>0.155</b>	<b>0.444</b>	3.56	3.00	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0185</b>	<b>0.0185</b>	17400	19700	<b>0.050</b>	<b>0.050</b>	
	08/17/07	17.1	<b>1.00</b>	0.0690	0.0500	0.808	0.875	2.83	2.60	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>2.51</b>	<b>1.25</b>	<b>0.0196</b>	<b>0.0075</b>	15900	16200	<b>0.155</b>	<b>0.133</b>	
	11/11/07	47.0	2.22	0.290	<b>0.0420</b>	0.558	0.738	3.27	2.85	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0166</b>	<b>0.0075</b>	17000	19500	0.207	<b>0.100</b>	
	<b>Mean</b>	1280	1.70	0.130	0.0500	2.01	0.8	16.4	2.87	0.059	0.017	0.014	0.010	1.8	2.5	0.035	0.017	17600	17700	1.4	0.20	
	<b>Median</b>	47.0	1.6	0.0690	0.05	0.808	0.81	3.27	2.85	0.013	0.013	0.0075	0.0075	1.6	1.9	0.017	0.0078	17000	17400	0.22	0.1	
	<b>St. Deviation</b>	3250	0.8	0.12	0.017	3.44	0.21	34.8	0.35	0.126	0.0194	0.013	0.012	0.86	1.58	0.055	0.0206	1700	1500	3.02	0.1	
	<b># of values</b>	7	6	7	6	7	6	7	7	7	7	7	7	7	6	7	7	7	7	7	7	6
	<b>Minimum</b>	12.7	1.00	0.0250	0.0250	0.155	0.444	2.83	2.47	0.0075	0.0015	0.0075	0.0016	0.75	1.25	0.0078	0.0031	15900	16000	0.050	0.050	
	<b>Maximum</b>	8650	2.71	0.308	0.0766	9.76	1.04	95.3	3.56	0.346	0.06	0.0432	0.0375	3.22	5.00	0.159	0.0625	21000	19700	8.25	0.34	
	<b>% of values undetected</b>		50%	14%	17%	14%				86%	100%	71%	100%	57%	83%	57%	100%			14%	33%	
	<b># of values between MDL and PQL</b>				1		2							2	1	2				1	2	
<b>MW5D</b>																						
	09/24/04	168	29.2	0.781	0.851	3.14	2.82	13.5	10.6	<b>0.0075</b>	<b>0.0075</b>	<b>0.750</b>	<b>0.750</b>	<b>5.90</b>	<b>7.20</b>	<b>0.0668</b>	<b>0.0352</b>	23100	21600	1.72	0.265	
	10/19/04	32.6	<b>12.5</b>	0.871	0.769	3.06	2.66	14.0	12.1	<b>0.0075</b>	<b>0.0075</b>	<b>0.750</b>	<b>0.750</b>	<b>1.55</b>	<b>1.55</b>	<b>0.0155</b>	<b>0.0155</b>	22300	23100	0.616	<b>0.050</b>	
	03/18/05	7.70	3.14	0.420	0.395	2.98	2.90	14.9	14.3	<b>0.0015</b>	<b>0.0015</b>	<b>0.0038</b>	<b>0.0038</b>	5.75	5.91	<b>0.0078</b>	<b>0.0031</b>	26000	25400	0.580	<b>0.036</b>	
	05/11/05	12.1	2.69	0.330	0.334	3.18	3.34	13.6	15.2	<b>0.0015</b>	<b>0.0015</b>	<b>0.0038</b>	<b>0.0038</b>	7.46	6.50	<b>0.0126</b>	<b>0.0031</b>	30400	25300	0.354	<b>0.036</b>	
	08/18/05	14.5	2.54	0.275	0.248	3.11	3.18	16.6	13.7	<b>0.0075</b>	<b>0.0075</b>	<b>0.0016</b>	<b>0.0016</b>	<b>5.00</b>	<b>3.40</b>	<b>0.0078</b>	<b>0.0078</b>	24500	24200	<b>0.031</b>		
	11/09/05	17.2	2.26	0.186	0.152	3.31	2.92	16.3	13.7	<b>0.0075</b>	<b>0.0075</b>	<b>0.0016</b>	<b>0.0016</b>	<b>4.40</b>	10.5	<b>0.0078</b>	<b>0.0078</b>	23500	23400	0.592	0.217	
	03/23/06	114	3.27	0.252	0.177	2.90	2.66	20.1	19.0	<b>0.0120</b>	<b>0.0120</b>	<b>0.0250</b>	<b>0.0075</b>	<b>2.80</b>	<b>3.71</b>	<b>0.0125</b>	<b>0.0125</b>	23000	24600	1.20	0.235	
	05/18/06	9.55	2.25	0.149	0.155	2.87	3.34	16.7	18.0	<b>0.0120</b>	<b>0.0120</b>	<b>0.0075</b>	<b>0.0075</b>	<b>4.45</b>	5.01	<b>0.0125</b>	<b>0.0125</b>	27100	29200	0.455	0.328	
	08/17/06	52.3	2.13	0.131	0.111	2.84		17.4	16.0	<b>0.0125</b>	<b>0.0125</b>	<b>0.0202</b>	<b>0.0075</b>	5.23	<b>4.37</b>	<b>0.0185</b>	<b>0.0185</b>	24900	24600	0.827	0.274	
	10/29/06	26.3	2.19	0.111	0.0618	3.01	2.91	17.1	16.1	<b>0.0125</b>	<b>0.0125</b>	<b>0.0156</b>	<b>0.0075</b>	<b>4.64</b>	<b>2.79</b>	<b>0.0185</b>	<b>0.0185</b>	27100	24900	0.509	0.246	
	03/15/07	11.2	<b>2.00</b>	<b>0.0500</b>	<b>0.0500</b>	3.12	3.51	17.8	17.6	<b>0.0250</b>	<b>0.0250</b>	<b>0.0150</b>	<b>0.0150</b>	<b>2.50</b>	<b>2.50</b>	<b>0.0150</b>	<b>0.0150</b>	26000	25400	0.524	0.586	
	<b>Mean</b>	42.0	5.80	0.323	0.300	3.05	3.02	16.2	15.1	0.010	0.010	0.15	0.14	4.52	4.90	0.018	0.014	25300	24700	0.67	0.227	
	<b>Median</b>	17.2	2.54	0.252	0.177	3.06	2.92	16.6	15.2	0.0075	0.0075	0.015	0.0075	4.64	4.37	0.013	0.013	24900	24600	0.58	0.241	
	<b>St. Deviation</b>	52	8.3	0.271	0.274	0.14	0.3	2	2.6	0.006	0.006	0.299	0.3	1.69	2.6	0.0167	0.009	2400	1900	0.45	0.166	
	<b># of values</b>	11	11	11	11	11	10	11	11	11	11	11	11	11	11	11	11	11	11	11	10	
	<b>Minimum</b>	7.70	2.00	0.0500	0.0500	2.84	2.66	13.5	10.6	0.0015	0.0015	0.0016	0.0016	1.55	1.55	0.0078	0.0031	22300	21600	0.03	0.036	
	<b>Maximum</b>	168	29.2	0.871	0.851	3.31	3.51	20.1	19.0	0.025	0.025	0.750	0.750	7.46	10.5	0.0668	0.0352	30400	29200	1.72	0.586	
	<b>% of values undetected</b>		18%	9%	9%					100%	100%	82%	100%	27%	18%	73%	91%			9%	30%	
	<b># of values between MDL and PQL</b>										2			5	5	3	1					



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December 2008

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Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW3D</b>																								
	05/16/05	5.07	0.0164	16.1	0.0699	10000	1.325	7.33	0.161	7310	4540	609	10.8	0.0315	0.0315	1.46		8.18	0.240	2150	899	0.789	0.768	8220
	08/22/05	0.0484	0.0480	0.253	0.277	49.1	3.10	0.356	0.320	4980	4540	1.52	0.100	0.0310	0.116	1.94	1.75	0.615		955	866	1.11	0.910	8300
	03/24/06	0.0512		0.191	0.207	11.3	15.5	0.194		4830	4710	2.67	0.176	0.000475	0.000475	1.79		0.438		863		0.451		42200
	05/23/06	0.0974	0.0364	0.427	0.264	139	3.10	0.118	0.0250	4720	4680	8.58	0.124	0.000475	0.00110	1.56	1.71	0.456	0.356	867	892	0.568	0.721	7700
	11/02/06	0.0702	0.0290	0.362	0.161	96.9	10.0	0.186	0.0155	4680	5010	5.34	0.0830	0.000475	0.000475	1.71	1.95	0.445	0.407	862	962	0.384	0.708	7990
	08/17/07	0.0554	0.0270	0.782	0.257	10.0	3.10	0.678	0.198	4530	4520	1.14	0.117	0.000169	0.000475	1.71	1.79	1.09	0.584	802	776	0.653	0.634	8240
	11/11/07	0.0358	0.0294	0.794	0.192	79.8	27.3	0.179	0.0155	4310		2.01	0.110	0.000889	0.000475	1.68	1.88	0.442	0.447	831	962	0.672	0.746	8820
	<b>Mean</b>	0.780	0.0310	2.70	0.204	1500	9.00	1.29	0.123	5050	4670	90.0	1.60	0.0093	0.0210	1.69	1.82	1.67	0.410	1050	890	0.660	0.750	13100
	<b>Median</b>	0.0554	0.029	0.427	0.207	79.8	3.10	0.194	0.093	4720	4610	2.67	0.117	0.000475	0.000475	1.71	1.79	0.456	0.407	863	900	0.653	0.73	8240
	<b>St. Deviation</b>	1.89	0.011	5.9	0.073	3800	9	2.67	0.125	1020	190	229	4	0.015	0.043	0.15	0.1	2.88	0.13	490	70	0.24	0.09	12900
	<b># of values</b>	7	6	7	7	7	7	7	6	7	6	7	7	7	7	7	5	7	5	7	6	7	6	7
	<b>Minimum</b>	0.0358	0.0164	0.191	0.0699	10.0	1.33	0.118	0.0155	4310	4520	1.14	0.083	0.000169	0.000475	1.46	1.71	0.438	0.240	802	776	0.384	0.634	7700
	<b>Maximum</b>	5.07	0.048	16.1	0.277	10000	27.3	7.33	0.32	7310	5010	609	10.8	0.0315	0.116	1.94	1.95	8.18	0.584	2150	962	1.11	0.91	42200
	<b>% of values undetected</b>					14%	86%		50%				14%	86%	86%									
	<b># of values between MDL and PQL</b>		1			1								1	2							5	5	
<b>MW5D</b>																								
	09/24/04	0.724	0.522	1.19	0.608	711	121	0.138	0.185	4760	4650	419	357	0.0310		8.22	7.61	1.93	0.878	2200	2160	1.16	1.18	10400
	10/19/04	0.735	0.569	1.01	0.552	845	416	0.307	0.115	5890	6120	491	457	0.100	0.0310	5.73	5.53	0.975	0.847	2310	2180	0.65	0.757	10700
	03/18/05	0.638	0.552	0.286	0.0300	1020	784	0.0276	0.0404	8080	7780	558	563	0.100	0.0315	3.84	4.02	0.588	0.545	2350	2160	0.159	0.174	9440
	05/11/05	0.398	0.386	0.521	0.108	645	528	0.011	0.035	8550	7490	502	433	0.0315	0.0315	4.37	5.03	0.550	0.544	2280	2030	0.150	0.154	11000
	08/18/05	0.879	0.822	0.964	0.539	1580	1110	0.0626	0.0155	9000	8780	667	673	0.0310	0.0310	3.05	3.06	1.73	1.76	2080	2120	0.0775	0.0775	13400
	11/09/05	0.731	0.628	0.816	0.491	1200	958	0.050	0.050	7980	7680	668	608	0.0310	0.0310	3.18	2.89	1.29	1.11	2180	2030	0.0775	0.0775	13700
	03/23/06	0.961	0.883	1.14	0.316	1740	1310	0.266		9580	8780	936	946	0.000475	0.000475	2.64	2.50	1.53	1.09	2190	2160	0.155	0.155	11900
	05/18/06	0.969	1.06	0.422	0.488	1390	1540	0.0130	0.0130	10200	11300	898	994	0.000475	0.00196	2.91	3.26	1.14	1.21	2340	2720	0.155	0.155	14600
	08/17/06	0.889	0.888	0.687	0.577	1740	1320	0.143	0.050	9960	9640	906	957	0.000475	0.000475	2.75	2.82	1.22	0.984	2210	2170	0.155	0.155	12500
	10/29/06	0.835	0.809	0.575	0.509	1180	1130	0.050	0.050	9690	9130	875	847	0.000475	0.0025	2.83	2.81	1.62	1.58	2160	2070	0.155	0.155	11200
	03/15/07	0.899	0.943	0.335	0.347	1440	1460	0.0310	0.0310	9950	9850	991	996	0.000169	0.000475	2.86	2.71	1.16	1.44	2230	2220	0.310	0.310	13700
	<b>Mean</b>	0.787	0.730	0.720	0.415	1230	970	0.10	0.10	8500	8300	719	712	0.0300	0.0162	3.85	3.84	1.25	1.09	2230	2180	0.290	0.300	12000
	<b>Median</b>	0.835	0.809	0.687	0.491	1200	1110	0.050	0.000	9000	8780	668	673	0.0310	0.0168	3.05	3.06	1.22	1.09	2210	2160	0.155	0.155	11900
	<b>St. Deviation</b>	0.167	0.21	0.32	0.194	390	460	0.103	0.1	1800	1800	208	244	0.038	0.0158	1.72	1.6	0.44	0.39	80	190	0.33	0.35	1600
	<b># of values</b>	11	11	11	11	11	11	11	10	11	11	11	11	11	10	11	11	11	11	11	11	11	11	11
	<b>Minimum</b>	0.398	0.386	0.286	0.0300	645	121	0.011	0.013	4760	4650	419	357	0.000169	0.000475	2.64	2.50	0.550	0.544	2080	2030	0.0775	0.0775	9440
	<b>Maximum</b>	0.969	1.06	1.19	0.608	1740	1540	0.307	0.185	10200	11300	991	996	0.100	0.0315	8.22	7.61	1.93	1.76	2350	2720	1.16	1.18	14600
	<b>% of values undetected</b>				9%			45%	70%					100%	90%							64%	64%	
	<b># of values between MDL and PQL</b>							3	3						1							1	1	

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**December 2008**

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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW3D</b>													
	05/16/05	0.0788	<b>0.0014</b>	4560	3200	0.0624	<b>0.0021</b>	0.683	<b>0.0302</b>	16.1	0.181	41.7	1.25
	08/22/05	<b>0.0031</b>	<b>0.0031</b>	3790	3410	<b>0.0076</b>	<b>0.0031</b>	<b>0.031</b>	<b>0.031</b>	<b>0.240</b>	<b>0.249</b>	<b>0.75</b>	<b>0.75</b>
	03/24/06	<b>0.0031</b>	<b>0.0155</b>	3540	3570	<b>0.0025</b>	<b>0.0125</b>	<b>0.050</b>		<b>0.110</b>		1.36	
	05/23/06	<b>0.0031</b>	<b>0.0031</b>	3470	3480	<b>0.0025</b>	<b>0.0025</b>	<b>0.0155</b>	<b>0.0155</b>	<b>0.388</b>	<b>0.110</b>	0.922	
	11/02/06	<b>0.0031</b>	<b>0.0031</b>	3410	3700	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.945</b>	<b>0.250</b>	1.82	<b>0.50</b>
	08/17/07	<b>0.0074</b>	<b>0.0031</b>	3360	3420	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.333</b>	<b>0.155</b>	3.26	1.07
	11/11/07	<b>0.0031</b>	<b>0.0031</b>	3160		<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.155</b>	<b>0.155</b>	2.81	1.16
	<b>Mean</b>	0.015	0.0050	3610	3460	0.013	0.0050	0.13	0.040	2.60	0.180	7.5	1.0
	<b>Median</b>	0.0031	0.0031	3470	3450	0.0050	0.0050	0.050	0.040	0.333	0.17	1.8	1.1
	<b>St. Deviation</b>	0.028	0.005	460	170	0.022	0.004	0.24	0.01	6	0.06	15.1	0.31
	<b># of values</b>	7	7	7	6	7	7	7	6	7	6	7	5
	<b>Minimum</b>	0.0031	0.0014	3160	3200	0.0025	0.0021	0.0155	0.0155	0.110	0.110	0.75	0.50
	<b>Maximum</b>	0.0788	0.0155	4560	3700	0.0624	0.0125	0.683	0.050	16.1	0.25	41.7	1.25
	<b>% of values undetected</b>	71%	100%			71%	100%	86%	117%	29%	67%	14%	40%
	<b># of values between MDL and PQL</b>	1				1				4	2		
<b>MW5D</b>													
	09/24/04	<b>0.0031</b>	<b>0.0031</b>	28600	26400	<b>0.0125</b>	<b>0.0125</b>	<b>0.155</b>	<b>0.155</b>	7.85	5.96	3.56	<b>0.54</b>
	10/19/04	<b>0.0031</b>	<b>0.0031</b>	20400	20800	<b>0.0125</b>	<b>0.0125</b>	<b>0.155</b>	<b>0.155</b>	3.15	2.53	3.44	<b>0.75</b>
	03/18/05	<b>0.0014</b>	<b>0.0014</b>	13800	13400	<b>0.0021</b>	<b>0.0021</b>	0.320	<b>0.100</b>	0.676	0.583	2.70	2.10
	05/11/05	<b>0.0014</b>	<b>0.0014</b>	17100	14800	<b>0.0021</b>	<b>0.0021</b>	<b>0.0302</b>	<b>0.0302</b>	0.943	0.641	1.79	1.09
	08/18/05	<b>0.0031</b>	<b>0.0031</b>	12100	12200	<b>0.0031</b>	<b>0.0031</b>	<b>0.031</b>	<b>0.031</b>	0.697	<b>0.362</b>	3.21	2.64
	11/09/05	<b>0.0031</b>	<b>0.0031</b>	10400	9990	<b>0.0031</b>	<b>0.0031</b>	<b>0.031</b>	<b>0.031</b>	0.453	0.591	2.95	2.36
	03/23/06	<b>0.0031</b>	<b>0.0031</b>	9770		<b>0.0072</b>	<b>0.0025</b>	0.152	<b>0.050</b>	0.513	<b>0.110</b>	5.49	5.16
	05/18/06	<b>0.0031</b>	<b>0.0031</b>	11400	12600	<b>0.0058</b>	<b>0.0074</b>	<b>0.0155</b>	<b>0.0155</b>	0.535	<b>0.260</b>	2.45	
	08/17/06	0.0642	<b>0.0031</b>	11900	11700	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.250</b>	<b>0.250</b>	4.43	3.40
	10/29/06	<b>0.0031</b>	<b>0.0031</b>	9810	9290	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.250</b>	<b>0.627</b>	1.50	1.68
	03/15/07	<b>0.0062</b>	<b>0.0062</b>	11800	11700	<b>0.0100</b>	<b>0.0100</b>	<b>0.100</b>	<b>0.100</b>	<b>0.310</b>	<b>0.310</b>	<b>1.00</b>	3.82
	<b>Mean</b>	0.0090	0.0031	14300	14300	0.0060	0.0060	0.10	0.070	1.42	1.11	2.96	2.4
	<b>Median</b>	0.0031	0.0031	11900	12400	0.0050	0.0050	0.050	0.050	0.535	0.583	2.95	2.2
	<b>St. Deviation</b>	0.018	0.0012	5800	5300	0.004	0.004	0.09	0.05	2.28	1.74	1.3	1.46
	<b># of values</b>	11	11	11	10	11	11	11	11	11	11	11	10
	<b>Minimum</b>	0.0014	0.0014	9770	9290	0.0021	0.0021	0.0155	0.0155	0.250	0.110	1.00	0.54
	<b>Maximum</b>	0.0642	0.0062	28600	26400	0.0125	0.0125	0.320	0.155	7.85	5.96	5.49	5.16
	<b>% of values undetected</b>	91%	100%			82%	91%	82%	100%	27%	27%	9%	10%
	<b># of values between MDL and PQL</b>					2	1			3			1

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW5M</b>																			
	09/07/04	112	270	201	0.60	1.57	106	0.530			0.0700		0.884	0.251	36.8	0.0013	0.0013	0.26	0.039
	10/19/04	93.4	270	170	0.075	1.57	110	0.155			0.0600		1.02	0.172	35.3	0.0013	0.0035	0.03	0.016
	03/23/05	123	260	185	9.4	0.79	121	0.070			0.599		0.859	0.224	32.9	0.0013	0.0013	0.21	0.033
	05/11/05	134	280	179	0.075	3.13	122	0.050			0.0050		0.837	0.202	30.1	0.0013	0.0013	0.16	0.016
	08/18/05	118	280	178	0.075	1.57	128	0.543			0.0610		0.811	0.181	29.0	0.0025	0.0025	0.16	0.016
	11/09/05	123	275	196	0.20	0.79	129	0.050			0.470		0.818	0.204	28.5	0.0013	0.0013	0.12	0.063
	03/23/06	137	270	173	0.200	1.75	136	0.147			0.0555		0.831	0.127	28.8	0.0013	0.0013	0.16	0.050
	05/18/06	148	290	185	0.306	0.79	134	0.054			0.0560		0.812	0.213	26.7	0.0013	0.0013	0.16	0.063
	08/17/06	129	300	184	0.075	1.57	131	0.016	0.016	0.016	0.0180	0.0600	0.842	0.181	27.2	0.0008	0.0008	0.16	0.016
	10/28/06	137	280	166	0.150	1.57	131	0.016	0.016	0.016	0.0740	0.0900	0.703	0.179	28.8	0.0008	0.0008	0.16	0.050
	03/15/07	138	250	173	0.200	1.57	130	0.016	0.016	0.016	0.0680	0.0900	0.695	0.186	27.9	0.0008	0.0008	0.16	0.016
	05/13/07	138	295	178	0.600	1.57	130	0.050			0.0445		0.842	0.206	28.1	0.0008	0.0008	0.16	0.050
	08/19/07	126	285	168	0.075	1.57	128	0.032			0.0531		0.688	0.188	27.8	0.0008	0.0008	0.16	0.089
	11/10/07	126	280	184	0.075	1.57	127	0.050			0.0608		0.717	0.207	29.3	0.0008	0.0008	0.16	0.044
	<b>Mean</b>	127	280	180	0.90	1.53	126	0.127	0.016	0.016	0.120	0.0800	0.810	0.194	29.8	0.0011	0.0013	0.16	0.040
	<b>Median</b>	128	280	179	0.20	1.57	129	0.050	0.016	0.016	0.0600	0.0900	0.820	0.195	28.8	0.0013	0.0013	0.16	0.042
	<b>St. Deviation</b>	14	10	10	2.5	0.57	9	0.179	0	0	0.18	0.017	0.09	0.029	3	0.0005	0.0008	0.049	0.023
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	93.4	250	166	0.075	0.79	106	0.016	0.016	0.016	0.0050	0.0600	0.688	0.127	26.7	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	148	300	201	9.4	3.13	136	0.543	0.016	0.016	0.599	0.0900	1.02	0.251	36.8	0.0025	0.0035	0.26	0.089
	<b>% of values undetected</b>				50%	86%		50%	100%	100%						100%	93%	64%	57%
	<b># of values between MDL and PQL</b>				4	2		5			3	3					1	5	6
<b>MW5S</b>																			
	09/07/04	71.9	170	109	13.4	12.4	82.0	0.620			0.0155		1.09	0.159	0.547	0.0013	0.0013	0.57	0.016
	10/19/04	57.3	125	61.3	17.6	10.8	65.0	0.155			0.0600		1.14	0.043	0.909	0.0030	0.0040	0.17	0.016
	03/18/05	67.2	130	93.8	3.8	14.8	70.0	0.016			0.186		1.05	0.082	0.839	0.0013	0.0013	0.16	0.298
	05/11/05	49.4	110	86.3	4.9	7.63	53.5	0.050			0.0011		0.938	0.073	0.844	0.0013	0.0013	0.19	0.016
	08/18/05	52.9	115	87.5	5.7	8.00	59.0	0.016			0.0380		0.895	0.065	0.662	0.0025	0.0025	0.20	0.016
	11/09/05	36.7	85.0	68.7	9.6	10.5	45.0	0.050			0.430		0.863	0.055	1.32	0.0013	0.0013	0.10	0.032
	03/23/06	49.6	110	76.3	9.90	14.8	70.0	0.016			0.0520		1.01	0.048	0.517	0.0013	0.0013	0.16	0.050
	05/18/06	59.6	125	93.8	8.40	8.75	66.0	0.076			0.0360		1.06	0.085	0.578	0.0013	0.0013	0.16	0.032
	08/17/06	26.9	75.0	71.2	2.30	8.50	39.0	0.038	0.016	0.038	0.0180	0.0600	0.937	0.092	0.997	0.0008	0.0008	0.16	0.016
	10/29/06	27.3	70.0	62.5	1.10	15.3	39.0	0.050	0.016	0.050	0.0300	0.530	0.826	0.047	1.31	0.0008	0.0025	0.16	0.050
	03/15/07	49.0	110	96.3	0.900	16.3	66.0	0.016	0.016	0.016	0.0340	0.160	1.07	0.057	0.449	0.0008	0.0008	0.16	0.016
	05/13/07	55.0	120	82.5	2.30	8.50	68.0	0.050			0.0051		1.25	0.076	0.625	0.0008	0.0008	0.16	0.050
	08/19/07	61.4	135	87.5	3.60	15.3	72.2	0.092			0.0016		1.06	0.059	0.470	0.0008	0.0008	0.16	0.100
	11/11/07	23.8	55.0	53.8	2.91	8.75	27.6	0.089			0.0291		1.09	0.062	1.14	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	49.1	110	81.0	6.0	11.5	59.0	0.095	0.016	0.034	0.070	0.250	1.02	0.070	0.800	0.0013	0.0014	0.19	0.051
	<b>Median</b>	51.3	110	84.0	4.0	10.7	66.0	0.050	0.016	0.038	0.030	0.160	1.06	0.060	0.750	0.0013	0.0013	0.16	0.024
	<b>St. Deviation</b>	15.2	30	16	5	3.2	16	0.156	0	0.018	0.11	0.25	0.12	0.03	0.3	0.0007	0.0009	0.112	0.075
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	23.8	55.0	53.8	0.90	7.63	27.6	0.016	0.016	0.016	0.0011	0.0600	0.826	0.043	0.449	0.0008	0.0008	0.10	0.016
	<b>Maximum</b>	71.9	170	109	17.6	16.3	82.0	0.620	0.016	0.050	0.430	0.530	1.25	0.159	1.32	0.0030	0.0040	0.57	0.298
	<b>% of values undetected</b>							57%	100%	67%	21%					93%	93%	57%	71%
	<b># of values between MDL and PQL</b>					3		6		1	2	1		13		1	1	6	2

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW5M</b>																					
	09/07/04	27.4	12.5	0.0385	0.0832	2.61	2.61	40.8	41.7	0.0075	0.0075	0.750	0.750	3.10	1.55	0.0155	0.0155	29800	30600	0.210	0.100
	10/19/04	32.9	12.5	0.110	0.0385	2.34	2.44	38.2	42.0	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	24700		0.282	0.115
	03/23/05	626	1.88	0.0468	0.0452	2.35	2.26	47.1	46.0	0.0180	0.0015	0.0038	0.0038	6.25	6.41	0.0079	0.0031	35000	29700	10.1	0.077
	05/11/05	5.69	2.79	0.0331	0.0378	2.66	2.88	42.2	45.2	0.0015	0.0015	0.0038	0.0038	6.29	6.53	0.0075	0.0031	36200	32600	0.278	0.036
	08/18/05	10.5	3.64	0.0384	0.0264	2.39	1.97	44.5	41.3	0.0075	0.0075	0.0016	0.0016	5.00	5.40	0.0078	0.0078	30600	33300	0.100	0.100
	11/09/05	18.4	1.00	0.0248	0.0280	2.30	2.20	43.4	41.5	0.0075	0.0075	0.0016	0.0016	4.90	7.10	0.0078	0.0078	32600	32000	0.257	0.100
	03/23/06	4.20	2.89	0.0438	0.0290	1.68	1.72	49.9	50.8	0.0120	0.0120	0.0250	0.0250	5.18	4.45	0.0125	0.0125	35000	37100	0.208	0.214
	05/18/06	29.9	1.00	0.0316	0.0298	1.66	1.67	45.0	43.2	0.0120	0.0120	0.0075	0.0075	5.19	4.95	0.0125	0.0125	39100	37600	0.273	0.100
	08/17/06	1.00	1.00	0.0262	0.0250	2.22	1.98	40.5	44.9	0.0125	0.0125	0.0075	0.0075	5.45	4.41	0.0185	0.0185	34000	37100	0.100	0.235
	10/28/06	3.12	2.09	0.0075	0.0250	1.62	1.67	42.7	45.2	0.0125	0.0125	0.0186	0.0176	4.18	4.32	0.0185	0.0185	36500	38500	0.050	0.050
	03/15/07	41.6	2.00	0.0500	0.0500	1.85	2.05	43.9	46.2	0.0250	0.0250	0.0150	0.0150	2.50	2.50	0.0150	0.0150	36800	38800	0.100	0.100
	05/13/07	46.3	1.00	0.0436	0.0296	1.88	1.92	48.5	45.4	0.0125	0.0125	0.0075	0.0075	5.31	5.23	0.0238	0.0075	36500	34900	0.288	0.100
	08/19/07	3.89	1.00	0.0262	0.0278	1.84	2.08	42.5	48.6	0.0125	0.0125	0.0075	0.0075	6.27	6.73	0.0075	0.0075	34300	38000	0.185	0.124
	11/10/07	21.3	9.87	0.0075	0.0212	2.05	2.32	43.6	48.3	0.0458	0.0708	0.0075	0.0075	4.34	6.10	0.0075	0.0075	34400	38300	0.511	0.476
	<b>Mean</b>	62.0	3.90	0.038	0.0355	2.10	2.13	43.8	45.0	0.014	0.015	0.11	0.11	4.68	4.80	0.013	0.011	34000	35300	0.90	0.14
	<b>Median</b>	20.0	2.00	0.036	0.0293	2.14	2.07	43.5	45.2	0.012	0.012	0.010	0.010	5.09	5.09	0.013	0.010	34700	37100	0.20	0.10
	<b>St. Deviation</b>	163	4.3	0.025	0.016	0.35	0.36	3.2	2.9	0.011	0.0172	0.27	0.27	1.43	1.84	0.0053	0.0052	3600	3200	2.6	0.11
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13	14	14
	<b>Minimum</b>	1.00	1.00	0.0075	0.0212	1.62	1.67	38.2	41.3	0.0015	0.0015	0.0016	0.0016	1.55	1.55	0.0075	0.0031	24700	29700	0.050	0.036
	<b>Maximum</b>	626	12.5	0.110	0.0832	2.66	2.88	49.9	50.8	0.0458	0.0708	0.750	0.750	6.29	7.10	0.0238	0.0185	39100	38800	10.1	0.476
	<b>% of values undetected</b>	7%	57%	29%	21%					86%	93%	93%	93%	21%	21%	79%	100%			29%	57%
	<b># of values between MDL and PQL</b>			6	7					1		1	1	4	6	3				1	3
<b>MW5S</b>																					
	09/07/04	122	12.5	0.0385	0.0385	4.22	4.19	19.9	18.0	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0336	0.0332	23000	23000	6.18	2.05
	10/19/04	879	12.5	0.0385	0.0385	1.14	0.988	19.9	9.31	0.0197	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0362	18600	16600	22.6	1.25
	03/18/05	123	1.42	0.0327	0.0335	1.83	1.76	16.6	15.0	0.0060	0.0015	0.0038	0.0038	2.40	2.72	0.0396	0.0387	21600	19800	13.3	0.951
	05/11/05	139	2.09	0.0277	0.0351	2.00	2.08	10.9	11.2	0.0066	0.0015	0.0038	0.0038	2.69		0.0299	0.0311	15700	14400	13.1	0.639
	08/18/05	204	2.03	0.0292	0.0280	3.04	2.97	14.5	11.4	0.0075	0.0075	0.0082	0.0016	1.55	1.55	0.0078	0.0078	16700	15500	11.8	1.23
	11/09/05	281	3.34	0.0198	0.0016	0.531	0.78	10.6	7.84	0.0164	0.0075	0.0050	0.0016	1.55	4.00	0.0078	0.0078	11500	12500	9.63	0.964
	03/23/06	240	2.17	0.0414	0.0214	1.66	1.52	16.1	11.5	0.0120	0.0120	0.0250	0.0250	0.75	0.75	0.0346	0.0276	15800	16300	10.8	1.18
	05/18/06	199	1.00	0.0254	0.0232	1.93	2.29	14.3	13.1	0.0120	0.0120	0.0075	0.0075	1.72	1.69	0.0125	0.0125	19000	20000	11.8	1.65
	08/17/06	72.5	1.00	0.0890	0.0306	0.928	0.647	6.17	6.74	0.0125	0.0125	0.0075	0.0264	1.25	1.25	0.0185	0.0185	8310	9570	8.22	1.62
	10/29/06	61.9	1.00	0.0250	0.0075	0.155	0.155	6.50	5.61	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	8410	8840	9.35	1.30
	03/15/07	60.8	8.12	0.0250	0.0250	0.826	0.836	10.5	10.1	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0214	0.0206	15500	15600	5.23	1.36
	05/13/07	42.4	2.03	0.0244	0.0234	1.10	0.925	13.2	12.7	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0270	0.0296	16900	17100	5.26	1.63
	08/19/07	68.2	2.41	0.0242	0.0176	1.67	1.65	14.8	13.5	0.0125	0.0125	0.0075	0.0075	1.25	2.79	0.0206	0.0194	19100	19600	6.46	1.86
	11/11/07	260	3.24	0.0266	0.0202	0.155	0.155	7.04	4.14	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0168	0.0075	7270	6940	6.20	1.42
	<b>Mean</b>	197	3.90	0.0334	0.025	1.51	1.50	12.9	10.7	0.012	0.0094	0.11	0.11	1.5	1.8	0.0217	0.0221	15500	15400	10.0	1.36
	<b>Median</b>	131	2.10	0.0272	0.024	1.40	1.25	13.8	11.3	0.013	0.012	0.010	0.010	1.4	1.6	0.0196	0.0200	16300	16000	9.50	1.33
	<b>St. Deviation</b>	212	4.1	0.0172	0.0108	1.11	1.12	4.5	3.8	0.0038	0.004	0.27	0.27	0.5	0.89	0.0099	0.0108	4900	4600	4.6	0.38
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14
	<b>Minimum</b>	42.4	1.00	0.0198	0.0016	0.155	0.155	6.17	4.14	0.0060	0.0015	0.0038	0.0016	0.75	0.75	0.0078	0.0075	7270	6940	5.23	0.639
	<b>Maximum</b>	879	12.5	0.0890	0.0385	4.22	4.19	19.9	18.0	0.0197	0.0125	0.750	0.750	2.69	4.00	0.0396	0.0387	23000	23000	22.6	2.05
	<b>% of values undetected</b>		36%	29%	36%	14%	14%			71%	100%	93%	93%	79%	69%	43%	43%				
	<b># of values between MDL and PQL</b>			5	6					4		1	1	1	3	6	6				

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Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Dissolved µg/L
<b>MW5M</b>																								
	09/07/04	0.123	0.117	0.472	0.483	26.4	10.0	0.050	0.050	9170	9630	221	229			4.65	4.80	0.737	0.744	1240	1260	0.155	0.155	7230
	10/19/04	0.0500	0.0500	0.491	0.363	29.9	3.10	0.050	0.050	7700		242	235	0.0310	0.0310	4.75	5.22	0.758	0.714	1240	1430	0.155	0.155	6600
	03/23/05	0.390	0.0610	0.989	0.122	588	3.20	0.364	0.0386	8650	10400	244	280	0.0315	0.0315	5.18	4.92	5.10	0.778	1350	1300	0.0143	0.0143	6100
	05/11/05	0.0678	0.0422	0.104	0.129	12.7	3.13	0.011	0.0813	10700	9820	278	265	0.0315	0.0315	4.56	5.04	0.182	0.182	1340	1240	0.0143	0.0143	6760
	08/18/05	0.108	0.113	0.354	0.404	27.8	21.6	0.0155	0.0332	10000	11200	278	272	0.0310	0.0310	4.88	4.87	1.59	1.73	1530	1440	0.0775	0.0775	7500
	11/09/05	0.0992	0.0900	0.408	0.385	35.8	37.1	0.0155	0.050	10100	9920	269	259	0.0310	0.0310	4.74	4.56	1.23	1.32	1420	1390	0.0775	0.0775	7780
	03/23/06	0.118	0.121	0.284	0.276	9.61	6.65	0.0130	0.0130	12200	13500	306	293	0.000475	0.000475	4.65	4.78	0.874	0.905	1490	1490	0.155	0.155	7390
	05/18/06	0.110	0.101	0.425	0.314	43.6	3.10	0.0302	0.0562	12100	11800	290	287	0.000475	0.00282	5.01	4.78	0.991	1.06	1580	1580	0.155	0.155	5310
	08/17/06	0.0916	0.102	0.895	0.365	3.10	3.10	0.050	0.050	10800	11800	282	313	0.000475	0.000475	4.36	4.85	0.876	0.847	1360	1480	0.155	0.155	6850
	10/28/06	0.0816	0.0814	0.255	0.316	10.0	10.0	0.0155	0.128	11100	11600	274	269	0.000475	0.000475	4.91	5.28	1.08	1.17	1430	1580	0.155	0.155	7180
	03/15/07	0.0520	0.0566	0.310	0.100	41.8	20.0	0.100	0.100	11200	11700	273	288	0.000169	0.000475	4.34	4.60	0.934	1.10	1450	1530	0.310	0.310	7220
	05/13/07	0.108	0.0626	0.392	0.207	181	86.4	0.157	0.0155	11400	10900	306	291	0.000169	0.000475	5.08	4.85	1.27	1.16	1480	1410	0.155	0.155	6870
	08/19/07	0.0686	0.0736	0.208	0.270	10.0	10.0	0.050	0.0155	9930	11100	289	328	0.00250	0.000475	4.72	5.38	1.04		1370	1500	0.155	0.155	7680
	11/10/07	0.0578	0.0572	0.186	0.145	29.3	9.21	0.0155	0.0155	9790	11200	270	300	0.000169	0.000475	4.52	5.21	0.446	0.444	1490	1600	0.155	0.155	7610
	Mean	0.109	0.0810	0.412	0.277	75.0	16.0	0.067	0.050	10300	11100	273	279	0.0124	0.0125	4.74	4.94	1.22	0.930	1410	1450	0.135	0.135	7010
	Median	0.0950	0.0780	0.373	0.295	29.0	10.0	0.040	0.050	10400	11200	276	284	0.000475	0.000475	4.73	4.86	0.960	0.905	1430	1460	0.155	0.155	7200
	St. Deviation	0.085	0.027	0.251	0.12	154	22	0.095	0.034	1300	1000	24	27	0.0155	0.0154	0.25	0.25	1.17	0.39	100	120	0.073	0.073	670
	# of values	14	14	14	14	14	14	14	14	14	13	14	14	13	13	14	14	14	13	14	14	14	14	14
	Minimum	0.0500	0.0422	0.104	0.100	3.10	3.10	0.011	0.013	7700	9630	221	229	0.000169	0.000475	4.34	4.56	0.182	0.182	1240	1240	0.0143	0.0143	5310
	Maximum	0.390	0.121	0.989	0.483	588	86.4	0.364	0.128	12200	13500	306	328	0.0315	0.0315	5.18	5.38	5.10	1.73	1580	1600	0.310	0.310	7780
	% of values undetected	7%	7%		7%	21%	50%	79%	64%					100%	92%							100%	100%	
	# of values between MDL and PQL					1	4	1	2						1									
<b>MW5S</b>																								
	09/07/04	0.601	0.692	0.558	0.326	1180	1040	0.050	0.050	3510	3550	990	976			0.705	0.726	4.20	2.62	493	479	0.155	0.155	10000
	10/19/04	0.736	0.277	1.55	0.296	914	40.4	0.350	0.050	2630	2490	368	353	0.0310	0.0310	0.889	0.831	15.3	4.72	542	418	0.155	0.155	7980
	03/18/05	0.354	0.259	1.06	0.628	229	77.8	0.0594	0.0951	3220	2960	787	805	0.0315	0.0315	1.97	2.02	7.24	4.56	471	461	0.0143	0.0143	7870
	05/11/05	0.323	0.213	0.819	0.491	325	104	0.076	0.035	2470	2230	521	505	0.0315	0.0315	1.57	1.79	7.48	5.12	409	401	0.0143	0.0143	9540
	08/18/05	0.363	0.232	1.22		461	227	0.0962	0.074	2710	2560	632	601	0.0310	0.0310	2.46	2.44	7.15	4.55	477	430	0.0775	0.0775	10500
	11/09/05	0.338	0.120	2.43	0.563	440	14.9	0.183	0.141	1930	2040	130	124	0.0310	0.0310	0.615		5.56	2.79	379	378	0.0775	0.0775	9570
	03/23/06	0.434	0.133	1.76	1.34	427	26.8	0.170	0.0130	2460	2540	517	493	0.00250	0.00250	2.15	2.20	6.57	3.19	437	424	0.155	0.155	9310
	05/18/06	0.344	0.190	1.63	0.977	318	71.2	0.102	0.0806	2980	3020	726	723	0.00418	0.00355	2.23	2.14	6.88	4.22	528	523	0.155	0.155	11100
	08/17/06	0.140	0.0948	0.855	0.653	142	37.7	0.050	0.0155	1480	1710	81.4		0.00106	0.00145	0.462	0.564	4.20	2.93	324	356	0.155	0.155	8900
	10/29/06	0.124	0.0712	0.805	0.479	138	25.9	0.110	0.050	1530	1550	8.97	5.23	0.00250	0.00250	0.240	0.222	4.95	3.55	329	327	0.155	0.155	7820
	03/15/07	0.140	0.0990	0.912	0.714	133	53.6	0.107	0.050	2520	2590	344	324	0.00277	0.00341	1.12	1.19	3.62	3.36	363	351	0.155	0.155	7660
	05/13/07	0.157	0.143	0.959	0.874	174	123	0.050	0.050	3120	3130	593	597	0.00145	0.00209	1.47	1.54	3.65	3.89	417	416	0.155	0.155	9480
	08/19/07	0.269	0.211	1.14	0.912	370	278	0.127	0.050	3310	3350	954	982	0.00511	0.00302	1.51	1.59	4.34	4.19	444	441	0.155	0.155	10400
	11/11/07	0.205	0.0468	1.07	0.344	345	22.5	0.281	0.0155	1380	1300	21.4	6.13	0.000685	0.000475	0.192	0.186	3.57	2.29	345	331	0.155	0.155	8580
	Mean	0.323	0.199	1.20	0.660	400	150	0.129	0.050	2520	2500	477	500	0.0136	0.0135	1.26	1.34	6.10	3.71	426	410	0.124	0.124	9200
	Median	0.331	0.167	1.07	0.628	340	60.0	0.105	0.050	2580	2550	519	505	0.00418	0.00341	1.30	1.54	5.30	3.72	427	417	0.155	0.155	9400
	St. Deviation	0.179	0.159	0.49	0.3	300	270	0.09	0.03	700	680	331	330	0.0146	0.0146	0.76	0.77	3	0.88	71	57	0.054	0.054	1100
	# of values	14	14	14	13	14.0	14.0	14	14	14	14	14	13	13	13	14	13	14	14	14	14	14	14	14
	Minimum	0.124	0.0468	0.558	0.296	133	14.9	0.050	0.013	1380	1300	8.97	5.23	0.000685	0.000475	0.192	0.186	3.57	2.29	324	327	0.0143	0.0143	7660
	Maximum	0.736	0.692	2.43	1.34	1180	1040	0.350	0.141	3510	3550	990	982	0.0315	0.0315	2.46	2.44	15.3	5.12	542	523	0.155	0.155	11100
	% of values undetected						21%	71%						54%	62%							100%	100%	
	# of values between MDL and PQL						1	2	1					5	5	2	2							



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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW5M</b>													
	09/07/04	0.0031	0.0031	8090	8520	0.0125	0.0125	0.155	0.155	1.70	1.61	0.75	0.75
	10/19/04	0.0031	0.0031	6750	9430	0.0125	0.0125	0.155	0.155	1.23	1.41	0.75	0.75
	03/23/05	0.0057	0.0035	7770	9590	0.0021	0.0021	0.336	0.0302	2.01	0.785	4.51	2.00
	05/11/05	0.0014	0.0014	9530	8690	0.0021	0.0021	0.0302	0.0302	0.58	0.614	1.83	1.98
	08/18/05	0.0031	0.0031	9520	9080	0.0031	0.0031	0.031	0.031	0.213		2.30	2.81
	11/09/05	0.0031	0.0031	9190	8650	0.0031	0.0031	0.031	0.031	0.914	0.845	1.82	1.77
	03/23/06	0.0031	0.0031	9210	9470	0.0025	0.0025	0.104	0.050	0.319	0.393	2.87	2.39
	05/18/06	0.0031	0.0031	9380	9860	0.0056	0.0025	0.0155	0.0155	0.721	0.446	1.58	1.59
	08/17/06	0.0031	0.0031	8550	9640	0.0050	0.0050	0.050	0.050	0.544	0.250	3.00	2.01
	10/28/06	0.0031	0.0031	9320	9820	0.0050	0.0050	0.050	0.050	1.11	0.802	1.74	2.30
	03/15/07	0.0062	0.0062	9650	10200	0.0100	0.0100	0.100	0.100	0.310	0.310	0.310	0.310
	05/13/07	0.0031	0.0031	9920	9550	0.0050	0.0050	0.050	0.050	0.155	0.155	2.88	0.50
	08/19/07	0.0031	0.0031	9210	10200	0.0050	0.0050	0.050	0.050	0.155	0.155	1.47	1.71
	11/10/07	0.0031	0.0031	8830	9870	0.0050	0.0050	0.050	0.050	0.155	0.155	1.55	1.52
	<b>Mean</b>	0.0034	0.0032	8920	9500	0.0060	0.0050	0.090	0.060	0.720	0.610	2.0	1.6
	<b>Median</b>	0.0031	0.0031	9210	9600	0.0050	0.0050	0.050	0.050	0.560	0.446	1.8	1.7
	<b>St. Deviation</b>	0.0012	0.001	870	500	0.004	0.004	0.08	0.04	0.6	0.47	1.1	0.76
	<b># of values</b>	14	14	14	14	14	14	14	14	14	13	14	14
	<b>Minimum</b>	0.0014	0.0014	6750	8520	0.0021	0.0021	0.0155	0.0155	0.155	0.155	0.310	0.310
	<b>Maximum</b>	0.0062	0.0062	9920	10200	0.0125	0.0125	0.336	0.155	2.01	1.61	4.51	2.81
	<b>% of values undetected</b>	93%	93%			93%	100%	86%	100%	29%	38%	21%	29%
	<b># of values between MDL and PQL</b>	1	1			1				3	3		
<b>MW5S</b>													
	09/07/04	0.0031	0.0031	2910	2890	0.0125	0.0125	0.155	0.155	0.125	0.125	0.75	0.75
	10/19/04	0.0072	0.0031	3030	2760	0.0125	0.0125	0.155	0.155	1.84	0.125	2.19	0.75
	03/18/05	0.0014	0.0014	3020	2660	0.0021	0.0021	0.250	0.100	0.543	0.272	1.62	1.36
	05/11/05	0.0014	0.0034	2980	2590	0.0021	0.0021	0.0302	0.0755	0.544	0.253	1.02	0.50
	08/18/05	0.0031	0.0031	2970	2870	0.0031	0.0031	0.031	0.031	0.376	0.625	3.78	0.75
	11/09/05	0.0031	0.0092	2700	2830	0.0031	0.0031	0.031	0.031	1.04	0.425	1.66	0.75
	03/23/06	0.0031	0.0031	2660	2750	0.0060	0.0025	0.050	0.050	0.546	0.110	2.32	1.84
	05/18/06	0.0031	0.0031	3210	3300	0.0062	0.0025	0.0155	0.0155	0.734	0.110	1.39	1.33
	08/17/06	0.0031	0.0031	2630	2710	0.0050	0.0050	0.050	0.050	0.250	0.250	1.78	1.30
	10/29/06	0.0031	0.0031	2680	2600	0.0050	0.0050	0.050	0.050	0.657	0.250	0.50	0.50
	03/15/07	0.0031	0.0031	2510	2530	0.0050	0.0050	0.050	0.050	0.349	0.364	1.49	1.84
	05/13/07	0.0031	0.0031	3080	3050	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	
	08/19/07	0.0031	0.0031	3210	3360	0.0050	0.0050	0.050	0.050	0.155	0.155	1.48	1.99
	11/11/07	0.0031	0.0031	2870	2660	0.0156	0.0050	0.050	0.050	0.453	0.155	2.37	1.41
	<b>Mean</b>	0.0032	0.0034	2890	2830	0.0060	0.0050	0.070	0.070	0.550	0.241	1.6	1.2
	<b>Median</b>	0.0031	0.0031	2940	2760	0.0050	0.0050	0.050	0.050	0.500	0.203	1.6	1.3
	<b>St. Deviation</b>	0.0013	0.0017	220	250	0.004	0.003	0.07	0.04	0.45	0.147	0.87	0.53
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	13
	<b>Minimum</b>	0.0014	0.0014	2510	2530	0.0021	0.0021	0.0155	0.0155	0.125	0.110	0.50	0.50
	<b>Maximum</b>	0.0072	0.0092	3210	3360	0.0156	0.0125	0.250	0.155	1.84	0.625	3.78	1.99
	<b>% of values undetected</b>	93%	86%			79%	100%	93%	93%	29%	64%	21%	46%
	<b># of values between MDL and PQL</b>	1	2			3			1	4	1		

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**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW6D</b>																			
	09/07/04	16.1	55.0	38.8	1.4	4.2	18.0	0.155			0.0155		0.665	0.130	2.87	0.0027	0.0013	0.61	0.016
	10/21/04	17.2	50.0	46.3	0.075	1.57	20.0	0.500			0.0155		0.865	0.016	3.08	0.0013	0.0013	0.15	0.016
	03/20/05	21.6	46.0	48.8	0.075	10.0	20.0	1.17			0.0150		0.717	0.016	3.22	0.0013	0.0013	0.23	0.016
	05/12/05	18.3	42.0	41.3	0.15	7.38	15.5	0.120			0.126		0.677	0.033	2.79	0.0013	0.0013	0.31	0.016
	08/20/05	16.9	42.5	33.8	0.075	5.38	18.0	0.039			0.0210		0.581	0.016	3.10	0.0013	0.0013	0.77	0.016
	11/05/05	15.3	40.5	30.0	0.075	6.38	16.0	0.102			0.0180		0.676	0.033	3.09	0.0013	0.0013	0.08	0.016
	03/10/06	17.5	45.0	3.80	0.075	6.00	22.0	0.068			0.0100		0.647	0.016	3.47	0.0013	0.0013	0.16	0.050
	05/23/06	16.2	45.0	28.7	0.139	7.25	16.0	0.016			0.0197		0.897	0.042	3.86	0.0013	0.0013	0.16	0.016
	08/20/06	18.0	43.0	51.3	0.075	9.25	14.0	0.656	0.089	0.568	0.0200	0.0500	0.532	0.044	3.55	0.0008	0.0008	0.16	0.016
	10/29/06	13.2	36.0	30.0	0.075	9.25	16.0	0.155	0.016	0.147	0.0190	0.0155	0.594	0.016	2.49	0.0008	0.0008	0.16	0.050
	03/17/07	14.4	42.0	32.5	0.075	11.8	20.0	0.225	0.016	0.210	0.0290	0.0500	0.584	0.016	3.47	0.0008	0.0008	0.16	0.016
	05/14/07	17.9	46.5	37.5	0.075	5.50	21.0	0.109			0.0144		0.722	0.041	2.18	0.0008	0.0008	0.16	0.016
	08/21/07	16.6	44.5	27.5	0.075	7.50	17.4	0.063			0.0091		0.456	0.016	2.63	0.0008	0.0008	0.16	0.067
	11/15/07	13.8	38.0	41.3	0.150	5.50	14.0	0.016			0.0205		0.599	0.031	3.15	0.0008	0.0025	0.16	0.046
	<b>Mean</b>	16.6	44.0	35.1	0.20	6.90	18.0	0.24	0.040	0.308	0.0300	0.0390	0.658	0.033	3.07	0.0011	0.0012	0.24	0.026
	<b>Median</b>	16.8	44.0	35.7	0.10	6.80	18.0	0.11	0.016	0.210	0.0200	0.0500	0.656	0.023	3.10	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	2.1	5	11.8	0.4	2.6	3	0.33	0.042	0.227	0.03	0.02	0.119	0.03	0.45	0.00051	0.00046	0.199	0.0183
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	13.2	36.0	3.80	0.075	1.57	14.0	0.016	0.016	0.147	0.0091	0.0155	0.456	0.016	2.18	0.0008	0.0008	0.08	0.016
	<b>Maximum</b>	21.6	55.0	51.3	1.4	11.8	22.0	1.17	0.089	0.568	0.126	0.0500	0.897	0.130	3.86	0.0027	0.0025	0.77	0.067
	<b>% of values undetected</b>				93%	7%		29%	67%		14%	33%		50%		93%	100%	57%	86%
	<b># of values between MDL and PQL</b>			1		6		3	1		2	2		6		1		6	2
<b>MW7D</b>																			
	09/06/04	13.8	42.0	50.0	6.9	3.80	20.0	0.155			0.110		0.805	0.104	1.94	0.0013	0.0027	0.07	0.016
	10/20/04	13.9	43.0	50.0	0.075	7.00	20.0	0.155			0.0900		0.849	0.016	1.27	0.0013	0.0013	0.03	0.016
	03/17/05	15.1	41.0	41.3	0.075	7.00	17.0	0.080			0.166		0.785	0.048	2.67	0.0013	0.0013	0.16	0.050
	05/15/05	15.4	40.0	56.3	0.20	7.00	20.0	0.050			0.102		0.697	0.043	0.997	0.0013	0.0013	0.16	0.016
	08/21/05	13.9	39.5	43.8	0.075	2.50	17.0	0.0155			0.0880		0.639	0.039	1.09	0.0013	0.0013	0.24	0.016
	11/12/05	14.5	38.0	41.3	0.075	5.88	17.5	0.113			0.0920		0.633	0.031	0.860	0.0013	0.0013	0.10	0.050
	03/12/06	14.9	38.0	31.2	0.075	5.50	10.0	0.158			0.0840		0.670	0.016	1.22	0.0013	0.0013	0.16	0.050
	05/23/06	13.7	39.0	38.8	0.075	7.00	20.0	0.065			0.154		0.679	0.057	0.794	0.0013	0.0013	0.16	0.016
	08/21/06	14.7	39.5	58.7	0.250	5.50	16.0	0.099	0.016	0.099	0.0840	0.240	0.653	0.077	0.819	0.0008	0.0008	0.16	0.016
	10/30/06	15.0	41.0	57.5	0.075	7.50	21.0	0.066	0.016	0.065	0.101	0.140	0.530	0.016	0.618	0.0008	0.0008	0.16	0.050
	03/18/07	13.2	36.0	48.8	0.075	7.00	20.0	0.084	0.016	0.050	0.0970	0.150	0.548	0.016	0.687	0.0008	0.0008	0.16	0.016
	05/11/07	14.2	38.0	36.3	0.075	4.25	20.0	0.133			0.0843		0.717	0.049	0.762	0.0008	0.0008	0.16	0.016
	08/23/07	13.5	39.0	43.8	0.075	5.00	17.5	0.101			0.0848		0.555	0.032	0.673	0.0008	0.0008	0.16	0.016
	11/14/07	13.3	40.0	45.0	0.075	6.25	17.9	0.099			0.103		0.569	0.044	0.643	0.0020	0.0008	0.16	0.016
	<b>Mean</b>	14.2	40.0	45.9	0.60	5.80	18.0	0.098	0.016	0.071	0.103	0.180	0.666	0.040	1.07	0.0011	0.0011	0.14	0.025
	<b>Median</b>	14.1	40.0	44.4	0.10	6.10	19.0	0.099	0.016	0.065	0.0950	0.150	0.662	0.040	0.840	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	0.7	2	8.1	1.8	1.5	3	0.042	0	0.025	0.026	0.06	0.099	0.03	0.58	0.00035	0.00051	0.05	0.0162
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	13.2	36.0	31.2	0.075	2.5	10.0	0.016	0.016	0.050	0.0840	0.140	0.530	0.016	0.618	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	15.4	43.0	58.7	6.9	7.5	21.0	0.158	0.016	0.099	0.166	0.240	0.849	0.104	2.67	0.0020	0.0027	0.24	0.050
	<b>% of values undetected</b>				86%			21%	100%	33%				29%		93%	93%	71%	100%
	<b># of values between MDL and PQL</b>				1	9		7			2	1		9		1		1	4

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

December 2008

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW6D</b>																					
	09/07/04	43.0	12.5	0.0385	0.0385	0.590	0.533	2.33	2.35	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	4750	4960	0.464	0.329
	10/21/04	12.5	3.90	0.0385	0.0385	0.580	0.532	2.15	1.94	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	5100	5110	0.870	0.050
	03/20/05	5.18	2.75	0.0486	0.0295	0.628	0.512	2.34	2.67	0.0033	0.0015	0.0089	0.0038	2.29	1.76	0.0031	0.0031	6250	4780	1.03	0.684
	05/12/05	3.65	1.39	0.0288	0.0297	0.574	0.580	2.36	2.03	0.0015	0.0015	0.0038	0.0038	1.92		0.0102	0.0031	5600	4530	0.383	0.239
	08/20/05	8.56	2.28	0.623	0.0344	0.847	0.657	2.38	1.98	0.0075	0.0075	0.0016	0.0016	1.55	5.00	0.0078	0.0078	5060	4730	1.28	0.413
	11/05/05	1.00	1.00	0.0174	0.0160	0.517	0.851	1.85	1.89	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	4580	4660	0.414	0.489
	03/10/06	3.92	1.00	0.0656	0.0276	0.155	0.155	2.19	2.11	0.0120	0.0120	0.0698	0.0250	1.83	0.75	0.0125	0.0125	5010	4690	0.809	0.707
	05/23/06	1.00	1.00	0.0324	0.0414	0.444	0.387	2.06	2.04	0.0120	0.0120	0.0075	0.0075	0.75	1.72	0.0125	0.0125	4810	5130	0.377	0.290
	08/20/06	1.00	1.00	0.0382	0.0368	0.840	0.573	2.32	2.37	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5330	5250	0.737	0.613
	10/29/06	1.00	1.00	0.0250	0.0075	0.155	0.718	1.82	1.89	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4050	4210	0.050	0.050
	03/17/07	3.27	2.22	0.0250	0.0250	0.426	0.401	1.81	1.93	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4350	4930	0.360	0.391
	05/14/07	11.7	1.00	0.369	0.0412	0.155	0.155	3.51	2.21	0.0125	0.0125	0.0250	0.0075	1.25	1.25	0.0075	0.0075	5200	5260	0.526	0.497
	08/21/07	2.48	1.00	0.0312	0.0256	0.342	0.320	2.10	1.96	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4990	4660	0.420	0.313
	11/15/07	2.21	2.09	0.0324	0.0238	0.155	0.380	1.94	1.94	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4230	4680	0.247	0.303
	<b>Mean</b>	7.20	2.00	0.101	0.0297	0.458	0.482	2.23	2.09	0.0096	0.0094	0.12	0.11	1.5	1.6	0.011	0.010	4950	4830	0.57	0.38
	<b>Median</b>	3.50	1.00	0.0350	0.0296	0.481	0.522	2.17	2.01	0.012	0.012	0.010	0.010	1.4	1.25	0.0090	0.0078	5000	4760	0.44	0.36
	<b>St. Deviation</b>	11	3	0.175	0.0098	0.241	0.199	0.42	0.23	0.0038	0.004	0.27	0.27	0.38	1.04	0.0047	0.0052	570	300	0.33	0.204
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14
	<b>Minimum</b>	1.00	1.00	0.0174	0.0075	0.155	0.155	1.81	1.89	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	4050	4210	0.050	0.050
	<b>Maximum</b>	43.0	12.5	0.623	0.0414	0.847	0.851	3.51	2.67	0.0125	0.0125	0.750	0.750	2.29	5.00	0.0185	0.0185	6250	5260	1.28	0.707
	<b>% of values undetected</b>	36%	64%	29%	29%	29%	14%			93%	100%	86%	100%	79%	85%	93%	100%			7%	14%
	<b># of values between MDL and PQL</b>			4	6	3	4			1		1		1	1	1					
<b>MW7D</b>																					
	09/06/04	404	37.3	0.0385	0.0385	0.481	0.400	3.20	2.45	0.0246	0.0075			5.00	1.55	0.0155	0.0155	4050	3890	0.319	0.252
	10/20/04	12.5	12.5	0.0385	0.0385	0.250	0.250	1.06	1.03	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	4170	4280	0.050	0.158
	03/17/05	9.94	0.98	0.0211	0.0219	0.348	0.298	1.12	1.01	0.0047	0.0047	0.0038	0.0038	1.32	1.51	0.0031	0.0031	4260	3990	0.386	0.303
	05/15/05	14.9	1.63	0.0250	0.0268	0.328	0.372	0.849	0.740	0.0050	0.0050	0.0038	0.0038	1.82	2.18	0.0031	0.0031	4550	4790	0.459	0.190
	08/21/05	6.76	1.00	0.0258	0.0216	0.250	0.250	0.605	0.608	0.0204	0.0075	0.0084	0.0016	4.40	1.55	0.0488	0.0078	3990	4810	0.239	0.031
	11/12/05	3.86	2.30	0.0016		0.276	0.125	0.440	0.472	0.0075	0.0075	0.0016	0.0116	1.55	1.55	0.0078	0.0078	4150	4430	0.228	0.100
	03/12/06	7.33	1.00	0.0832	0.0388	0.155	0.155	0.723	0.568	0.0120	0.0120	0.0936	0.0526	3.02	0.75	0.0125	0.0125	4220	3600	0.672	0.373
	05/23/06	4.82		0.0272		0.155	0.155	0.630	0.739	0.0120	0.0120	0.0075	0.0075	0.75	1.95	0.0125	0.0125	3960	4130	0.388	0.100
	08/21/06	6.00	2.22	0.0252	0.0244	0.155	0.647	0.572	0.661	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4290	4470	0.447	0.486
	10/30/06	2.86	4.51	0.0075	0.0075	0.328	0.443	0.419		0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4460	5010	0.050	0.050
	03/18/07	6.49	2.71	0.0250	0.0250	0.155	0.367	0.492	0.468	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3760	3820	0.100	0.050
	05/11/07	5.05	1.00	0.0262	0.0304	0.376	0.367	0.566	0.495	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4050	4160	0.452	0.384
	08/23/07	2.90	1.00	0.0244	0.0256	0.155	0.155	0.536	0.619	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4000	4210	0.260	0.233
	11/14/07	2.11	1.00	0.0220	0.0280	0.155	0.155	0.401	0.421	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3930	4230	0.100	0.050
	<b>Mean</b>	35.0	5.0	0.0279	0.027	0.255	0.296	0.830	0.790	0.012	0.0099	0.070	0.070	1.9	1.4	0.013	0.010	4130	4270	0.30	0.20
	<b>Median</b>	6.0	1.6	0.0251	0.026	0.250	0.274	0.590	0.619	0.013	0.012	0.0075	0.0075	1.3	1.4	0.010	0.0078	4100	4220	0.29	0.17
	<b>St. Deviation</b>	106	10	0.0186	0.009	0.106	0.148	0.72	0.53	0.0054	0.0031	0.21	0.21	1.29	0.35	0.0114	0.0052	210	400	0.18	0.146
	<b># of values</b>	14	13	14	12	14	14	14	13	14	14	13	13	14	14	14	14	14	14	14	14
	<b>Minimum</b>	2.11	0.98	0.0016	0.0075	0.155	0.125	0.401	0.421	0.0047	0.0047	0.0016	0.0016	0.75	0.75	0.0031	0.0031	3760	3600	0.050	0.031
	<b>Maximum</b>	404	37.3	0.0832	0.0388	0.481	0.647	3.20	2.45	0.0246	0.0125	0.750	0.750	5.00	2.18	0.0488	0.0185	4550	5010	0.67	0.486
	<b>% of values undetected</b>	7%	46%	36%	33%	57%	50%			71%	86%	91%	91%	71%	79%	93%	100%			29%	43%
	<b># of values between MDL and PQL</b>			5	5	4	4			4	2	1		2	1	1					2

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW6D</b>																								
	09/07/04	0.0155	0.0500	0.372	0.374	10.0	3.10	0.050	0.050	1020	1030	0.500	0.500			0.155	0.155	0.318	0.268	338	348	0.155	0.155	7030
	10/21/04	0.0155	0.0155	0.413	0.354	10.0	3.10	0.050	0.050	1080	993	0.250	0.250	0.100	0.0310	0.155	0.155	0.463	0.300	381	378	0.155	0.155	6170
	03/20/05	0.0294	0.0252	0.658	0.743	8.78	5.76	0.0236	0.0677	1460	1120	0.700	0.285	0.100	0.0315	0.286	0.286	0.602	0.613	387	339	0.193	0.116	5300
	05/12/05	0.0148	0.0048	0.245	0.202	5.05	1.33	0.0922	0.035	1040	1010	0.160	0.0807	0.0315	0.0315	0.229	0.256	0.193	0.164	324	329	0.103	0.110	6050
	08/20/05	0.0312	0.0252	0.351	0.287	7.54	3.10	0.0155	0.077	1040	1050	0.237	0.100	0.0310	0.0700	0.196	0.210	0.730	0.690	421	371	0.170	0.0775	6790
	11/05/05	0.0206	0.024	0.321	0.334	3.10	3.10	0.0155		933	957	0.100	0.100	0.0310	0.0310	0.170	0.0880	0.321		351	359	0.0775	0.221	6760
	03/10/06	0.0100	0.0138	0.388	0.249	10.0	10.0	0.0250	0.0130	1200	1140	0.100	0.0834	0.000475	0.000475	0.117	0.0844	0.287	0.240	357	341	0.155	0.155	6270
	05/23/06	0.0100	0.0100	0.354	0.267	3.10	3.10	0.0738	0.112	1010	1080	0.0960	0.0932	0.000475	0.000475	0.165	0.187	0.181	0.188	357	368	0.155	0.155	6190
	08/20/06	0.0252	0.0284	0.532	0.505	3.10	3.10	0.050	0.050	1140	1110	0.144	0.151	0.000475	0.000475	0.143	0.126	0.387	0.466	405	400	0.155	0.155	6360
	10/29/06	0.0065	0.0152	0.320	0.343	3.10	10.0	0.0155	0.050	753	803	0.0692	0.0532	0.000475	0.00250	0.158	0.134	0.100	0.265	316	334	0.155	0.155	5120
	03/17/07	0.0100	0.0100	0.269	0.270	3.10	3.10	0.050	0.0155	871	910	0.115	0.106	0.000169	0.000475	0.142	0.151	0.271	0.222	286	330	0.155	0.155	5130
	05/14/07	0.0100	0.0100	0.397	0.300	10.0	10.0	0.050	0.0155	1180	1190	0.218	0.0562	0.000169	0.000475	0.187	0.203	0.216	0.224	361	360	0.155	0.155	6370
	08/21/07	0.0138	0.0140	1.02	0.298	3.10	10.0	0.050	0.050	998	928	0.0894	0.0558	0.000169	0.000475	0.184	0.159	0.245	0.238	363	341	0.155	0.155	5780
	11/15/07	0.0122	0.0050	0.441	0.428	7.19	3.10	0.0155	0.0155	800	956	0.0924	0.0654	0.000169	0.000475	0.171	0.181	0.213	0.173	337	373	0.155	0.155	6440
	<b>Mean</b>	0.0161	0.0179	0.430	0.354	6.00	5.00	0.0412	0.050	1040	1020	0.205	0.141	0.0230	0.0154	0.176	0.170	0.323	0.312	356	355	0.150	0.148	6130
	<b>Median</b>	0.0143	0.0146	0.380	0.317	6.00	3.00	0.050	0.050	1030	1020	0.130	0.0970	0.000475	0.000475	0.168	0.157	0.279	0.24	357	354	0.155	0.155	6230
	<b>St. Deviation</b>	0.0077	0.0119	0.2	0.136	3	3	0.0238	0.03	180	100	0.181	0.125	0.037	0.0218	0.042	0.057	0.173	0.169	36	21	0.028	0.032	600
	<b># of values</b>	14	14	14	14	14	14	14	13	14	14	14	14	13	13	14	14	14	13	14	14	14	14	14
	<b>Minimum</b>	0.0065	0.0048	0.245	0.202	3.10	1.33	0.0155	0.013	753	803	0.069	0.0532	0.000169	0.000475	0.117	0.0844	0.100	0.164	286	329	0.0775	0.0775	5120
	<b>Maximum</b>	0.0312	0.0500	1.02	0.743	10.0	10.0	0.0922	0.112	1460	1190	0.700	0.500	0.100	0.0700	0.286	0.286	0.730	0.690	421	400	0.193	0.221	7030
	<b>% of values undetected</b>	50%	50%			71%	93%	79%	77%			21%	29%	100%	100%	14%	14%	7%				79%	79%	
	<b># of values between MDL and PQL</b>	4	4			3	1	1	2					1				1	2			1	1	
<b>MW7D</b>																								
	09/06/04	0.114		0.369		137	37.8	0.219	0.050	886	913	5.75	6.05	0.0310		0.155	0.155	0.100		410	417	0.155	0.155	12400
	10/20/04	0.0155	0.0155	0.100	0.100	3.10	3.10	0.050	0.050	856	962	0.500	0.500	0.100	0.100	0.155	0.155	0.100	0.100	392	407	0.155	0.155	11000
	03/17/05	0.0178	0.0104	0.110	0.0300	6.81	1.33	0.0255	0.0261	1090	964	1.00	0.838	0.0315	0.0315	0.0866	0.150	0.143	0.146	399	393	0.0342	0.0302	8750
	05/15/05	0.0136		0.121	0.0864	7.32	1.33	0.035	0.035	989	1080	1.03	0.404	0.0315	0.0315	0.141	0.159	0.201	0.0755	374	381	0.0362	0.0460	11100
	08/21/05	0.0360	0.0254	0.224	0.209	3.10	3.10	0.050	0.0155	948	1070	0.480	0.395	0.0310	0.0660	0.144	0.148	0.235	0.243	372	441	0.0775	0.0775	12000
	11/12/05	0.0124	0.0216	0.208	0.215	3.10	3.10	0.279	0.050	1010	1030	0.234	0.225	0.0310	0.0310	0.067		0.173	0.223	403	416	0.0775	0.0775	11900
	03/12/06	0.0100	0.0064	0.465	0.178	10.0	3.10	0.0722		1050	965	0.404	0.207	0.000475	0.000475	0.403	0.0518	0.135	0.0960	409	347	0.155	0.155	10000
	05/23/06	0.0214	0.0212	0.209	0.159	3.10	3.10	0.0250	0.0130	939	972	0.493	0.284	0.000475	0.000475	0.111		0.114	0.117	391	395	0.155	0.155	11000
	08/21/06	0.0224	0.0198	0.339		3.10	3.10	0.433	0.202	969	1020	0.419	0.230	0.000475	0.000955	0.0918	0.0952	0.100	0.250	401	406	0.155	0.155	11100
	10/30/06	0.0146	0.0156	0.301	0.349	10.0	10.0	0.050	0.050	944	961	0.201		0.000475	0.000475	0.118		0.275	0.392	397	400	0.155	0.155	10000
	03/18/07	0.0100	0.0050	0.290	0.217	3.10	3.10	0.050	0.050	917	936	0.389	0.249	0.000169	0.000475	0.138	0.146	0.100	0.100	375	379	0.155	0.155	10900
	05/11/07	0.0100	0.0100	0.318	0.287	10.0	10.0	0.050	0.0155	987	1020	0.270	0.247	0.000169	0.000475	0.139	0.138	0.226	0.242	366	367	0.155	0.155	10500
	08/23/07	0.0102	0.0114	0.340	0.244	3.10	3.10	0.0155	0.050	861	948	0.198	0.182	0.000169	0.00104	0.143	0.146	0.100	0.100	375	405	0.155	0.155	11100
	11/14/07	0.0100	0.0050	0.160	0.180	3.10	3.10	0.0155	0.050	843	933	0.102	0.0724	0.000169	0.000475	0.152	0.152	0.166	0.164	375	409	0.155	0.155	11600
	<b>Mean</b>	0.0230	0.0140	0.254	0.190	10.0	6.00	0.098	0.10	950	980	0.820	0.760	0.0180	0.0200	0.146	0.136	0.155	0.173	389	397	0.127	0.127	11000
	<b>Median</b>	0.0140	0.0130	0.257	0.190	3.10	3.00	0.050	0.05	950	960	0.410	0.249	0	0.000955	0.140	0.148	0.139	0.146	392	403	0.155	0.155	11100
	<b>St. Deviation</b>	0.027	0.007	0.11	0.09	40	9	0.124	0	70	50	1.45	1.6	0.028	0.032	0.079	0.033	0.059	0.092	15	23	0.048	0.047	900
	<b># of values</b>	14	12	14	12	14	14	14	13	14	14	14	13	14	13	14	11	14	13	14	14	14	14	14
	<b>Minimum</b>	0.0100	0.0050	0.100	0.0300	3.10	1.33	0.0155	0.013	843	913	0.102	0.0724	0.000169	0.000475	0.0670	0.0518	0.100	0.0755	366	347	0.0342	0.0302	8750
	<b>Maximum</b>	0.114	0.0254	0.465	0.349	137	37.8	0.433	0.202	1090	1080	5.75	6.05	0.100	0.100	0.403	0.159	0.275	0.392	410	441	0.155	0.155	12400
	<b>% of values undetected</b>	29%	33%	7%	17%	79%	93%	57%	85%			7%	8%	100%	85%	14%	18%	36%	23%			86%	86%	
	<b># of values between MDL and PQL</b>	5	5			2		2	1															

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW6D</b>													
	09/07/04	0.0031	0.0031	1990	2060	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.235
	10/21/04	0.0031	0.0031	2110	2020	0.0125	0.0125	0.155	0.155	0.453	0.419	0.75	0.235
	03/20/05	0.0033	0.0014	2360	1810	0.105	0.0021	0.140	0.0888	0.370	0.312	0.607	1.08
	05/12/05	0.0014	0.0014	1920	1700	0.0021	0.0021	0.158	0.0302	0.360	0.303	0.235	0.50
	08/20/05	0.0031	0.0031	2160	2210	0.0031	0.0031	0.031	0.031	0.664	0.426	1.53	0.75
	11/05/05	0.0031	0.0031	2000	2130	0.0031	0.0031	0.031	0.031	0.570	0.576	0.75	2.09
	03/10/06	0.0031	0.0031	2420	2320	0.0025	0.0025	0.0658	0.0155	0.110	0.110	2.57	2.33
	05/23/06	0.0031	0.0031	2040	2180	0.0025	0.0025	0.0155	0.0155	0.282	0.355	0.580	
	08/20/06	0.0031	0.0031	2440	2390	0.0050	0.0050	0.050	0.050	0.250	0.250	0.50	
	10/29/06	0.0031	0.0031	1700	1800	0.0050	0.0050	0.050	0.050	0.250	0.792	0.50	0.155
	03/17/07	0.0031	0.0031	1820	1880	0.0050	0.0050	0.050	0.050	0.413	0.371	2.72	0.50
	05/14/07	0.0031	0.0031	2380	2360	0.0050	0.0050	0.050	0.050	0.155	0.155	7.64	0.50
	08/21/07	0.0031	0.0031	2240	2110	0.0050	0.0050	0.050	0.050	0.155	0.155	1.84	1.60
	11/15/07	0.0031	0.0031	1840		0.0050	0.0050	0.050	0.050	0.155	0.155	1.19	1.77
	<b>Mean</b>	0.0030	0.0029	2100	2070	0.010	0.0050	0.080	0.060	0.308	0.322	1.6	1.0
	<b>Median</b>	0.0031	0.0031	2080	2110	0.010	0.0050	0.050	0.050	0.266	0.308	0.75	0.63
	<b>St. Deviation</b>	0.0005	0.0006	240	220	0.03	0.003	0.05	0.04	0.172	0.193	1.93	0.78
	<b># of values</b>	14	14	14	13	14	14	14	14	14	14	14	12
	<b>Minimum</b>	0.0014	0.0014	1700	1700	0.0021	0.0021	0.0155	0.0155	0.110	0.110	0.235	0.155
	<b>Maximum</b>	0.0033	0.0031	2440	2390	0.105	0.0125	0.158	0.155	0.664	0.792	7.64	2.33
	<b>% of values undetected</b>	93%	100%			93%	100%	79%	93%	50%	43%	43%	58%
	<b># of values between MDL and PQL</b>	1						3	1	2	3	1	
<b>MW7D</b>													
	09/06/04	0.0031	0.0031	2250	2700	0.0125	0.0125	0.155	0.155	1.06	1.15	0.75	0.75
	10/20/04	0.0031	0.0031	2370	2460	0.0125	0.0125	0.155	0.155	0.915	0.877	0.75	0.235
	03/17/05	0.0014	0.0014	2510	2320	0.0021	0.0021	0.270	0.0302	1.03	0.970	0.482	0.235
	05/15/05	0.0014	0.0031	2290	2370	0.0021	0.0079	0.106	0.0774	1.03	0.966	0.235	0.235
	08/21/05	0.0031	0.0031	2360	2800	0.0088	0.0031	0.031	0.031	0.907		0.75	0.75
	11/12/05	0.0031	0.0031	2500	2570	0.0031	0.0031	0.031	0.031	1.21	1.08	0.75	0.75
	03/12/06	0.0031	0.0031	2640	2420	0.0092	0.0025	0.171	0.0155	0.764	0.659	4.31	2.36
	05/23/06	0.0031	0.0031	2420	2430	0.0025	0.0025	0.0155	0.0155	0.817	0.941	0.250	
	08/21/06	0.0031	0.0031	2450	2580	0.0050	0.0050	0.050	0.050	0.902	1.05	1.98	2.32
	10/30/06	0.0031	0.0031	2270	2350	0.0050	0.0050	0.050	0.050	1.54	2.02	0.50	0.155
	03/18/07	0.0031	0.0031	2370	2400	0.0050	0.0050	0.050	0.050	1.19	1.24	1.61	2.10
	05/11/07	0.0031	0.0031	2450	2550	0.0050	0.0050	0.050	0.050	1.01	1.00	0.50	0.50
	08/23/07	0.0031	0.0031	2390	2650	0.0050	0.0050	0.050	0.050	0.585	0.515	1.96	1.82
	11/14/07	0.0031	0.0031	2110	2350	0.0050	0.0050	0.050	0.050	1.10	1.22	0.50	0.50
	<b>Mean</b>	0.0029	0.0030	2380	2500	0.0060	0.0050	0.090	0.060	1.00	1.05	1.1	1.0
	<b>Median</b>	0.0031	0.0031	2380	2450	0.0050	0.0050	0.050	0.050	1.02	1	0.80	0.75
	<b>St. Deviation</b>	0.0006	0.0004	130	150	0.003	0.003	0.07	0.04	0.23	0.36	1.1	0.85
	<b># of values</b>	14	14	14	14	14	14	14	14	14	13	14	13
	<b>Minimum</b>	0.0014	0.0014	2110	2320	0.0021	0.0021	0.0155	0.0155	0.585	0.515	0.235	0.155
	<b>Maximum</b>	0.0031	0.0031	2640	2800	0.0125	0.0125	0.270	0.155	1.54	2.02	4.31	2.36
	<b>% of values undetected</b>	100%	93%			86%	93%	79%	93%			64%	69%
	<b># of values between MDL and PQL</b>		1			2	1	1	1	2	1	1	



## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW7S</b>																			
	09/24/04	13.8	40.0	63.8	3.89	1.57	18.0	0.610			0.0600		1.05	0.072	4.60	0.0030	0.0013	0.28	0.016
	10/20/04	11.7	36.0	40.0	0.40	6.8	16.0	0.860			0.0500		0.778	0.016	0.853	0.0013	0.0013	0.21	0.016
	03/17/05	14.5	38.0	36.3	0.20	6.00	18.0	0.060			0.1500		0.717	0.047	0.847	0.0013	0.0013	0.14	0.050
	05/15/05	9.25	28.5	53.8	0.30	7.00	10.5	0.110			0.0785		0.575	0.016	0.622	0.0013	0.0013	0.14	0.016
	08/21/05	13.1	33.5	32.5	0.075	3.5	15.5	0.090			0.0500		0.633	0.016	0.728	0.0013	0.0013	0.20	0.016
	11/12/05	10.6	31.0	35.0	0.075	7.00	13.5	0.050			0.0400		0.6400	0.016	0.677	0.0013	0.0013	0.09	0.016
	03/12/06	13.6	39.0	25.0	0.300	7.25	22.0	0.067			0.0530		0.680	0.016	0.788	0.0013	0.0013	0.16	0.050
	08/21/06	12.2	34.0	42.5	0.250	5.50	15.0	0.102	0.016	0.079	0.0520	0.160	0.651	0.067	0.696	0.0008	0.0008	0.16	0.016
	10/30/06	9.31	25.0	36.3	0.075	9.00	12.0	0.068	0.016	0.066	0.0420	0.0900	0.537	0.016	0.520	0.0008	0.0008	0.16	0.050
	08/23/07	14.8	40.0	42.5	0.150	4.50	17.9	0.081			0.0631		0.644	0.424	19.0	0.0008	0.0008	0.16	0.016
	11/14/07	12.6	36.0	42.5	0.076	7.00	16.4	0.115			0.0618		0.576	0.035	0.625	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	12.3	35.0	40.9	0.50	5.9	16.0	0.20	0.016	0.072	0.0600	0.1300	0.6800	0.067	2.70	0.0012	0.0011	0.17	0.025
	<b>Median</b>	12.6	36.0	40.0	0.20	6.8	16.0	0.090	0.016	0.072	0.0530	0.1300	0.644	0.016	0.728	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.9	5	10.5	1.1	2.1	3	0.27	0	0.009	0.03	0.05	0.14	0.12	5.5	0.00064	0.00025	0.05	0.0161
	<b># of values</b>	11	11	11	11	11	11	11	2	2	11	2	11	11	11	11	11	11	11
	<b>Minimum</b>	9.25	25.0	25.0	0.075	1.57	10.5	0.050	0.016	0.066	0.0400	0.0900	0.537	0.016	0.52	0.0008	0.0008	0.09	0.016
	<b>Maximum</b>	14.8	40.0	63.8	3.89	9.00	22.0	0.860	0.016	0.079	0.1500	0.1600	1.05	0.424	19.0	0.0030	0.0013	0.28	0.050
	<b>% of values undetected</b>				55%	9%		9%	100%					55%		91%	100%	45%	100%
	<b># of values between MDL and PQL</b>				4	6		7		2	2	1		4		1		6	
<b>MW8D</b>																			
	09/06/04	37.9	100	78.8	0.722	1.57	52.0	0.155			0.0155		0.722	0.050	1.81	0.0013	0.0013	0.07	0.016
	10/19/04	40.8	120	67.5	0.075	1.57	51.0	2.43			0.0700		0.689	0.016	1.95	0.0028	0.0013	0.06	0.016
	03/15/05	43.1	100	85.0	0.15	0.79	49.0	0.060			0.133		0.696	0.047	1.90	0.0025	0.006	0.18	0.016
	05/12/05	48.3	100	81.3	0.075	4.13	50.5	0.090			0.0011		0.663	0.042	1.83	0.0013	0.0013	0.18	0.016
	08/20/05	44.7	100	63.8	0.075	0.79	51.0	0.048			0.0330		0.621	0.036	1.74	0.0013	0.0013	0.17	0.016
	11/06/05	43.9	95.0	58.8	0.075	0.79	53.0	0.079			0.0350		0.621	0.040	1.83	0.0013	0.0013	0.12	0.016
	03/10/06	44.5	80.0	25.0	0.075	0.79	52.0	0.073			0.0260		0.631	0.016	1.83	0.0013	0.0013	0.16	0.050
	05/20/06	45.4	100	70.0	0.075	0.79	50.0	0.119			0.0280		0.628	0.055	1.69	0.0013	0.0013	0.16	0.033
	08/20/06	45.9	80.0	86.3	0.075	1.57	53.0	0.107	0.016	0.107	0.0390	0.0900	0.637	0.065	1.75	0.0025	0.0025	0.16	0.016
	10/25/06	42.1	80.0	68.8	0.075	1.57	53.0	0.129	0.016	0.129	0.0470	0.0400	0.636	0.079	1.74	0.0008	0.0008	0.16	0.050
	03/17/07	46.1	90.0	56.3	0.200	1.57	54.0	0.081	0.016	0.065	0.0390	0.0800	0.633	0.016	0.686	0.0008	0.0008	0.16	0.016
	05/14/07	45.3	90.0	67.5	0.075	1.57	50.0	0.050			0.0279		0.692	0.052	1.64	0.0008	0.0008	0.16	0.039
	08/21/07	44.4	100	62.5	0.075	1.57	50.3	0.078			0.0236		0.536	0.036	1.41	0.0008	0.0008	0.16	0.077
	11/15/07	44.9	100	78.8	0.075	1.57	51.5	0.032			0.0340		0.578	0.042	1.58	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	44.1	100	67.9	0.14	1.5	51.0	0.25	0.016	0.100	0.0400	0.0700	0.642	0.042	1.67	0.0014	0.002	0.14	0.028
	<b>Median</b>	44.6	100	68.2	0.08	1.6	51.0	0.080	0.016	0.107	0.0300	0.0800	0.635	0.042	1.75	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	2.5	10	15.6	0.17	0.85	1	0.63	0	0.033	0.03	0.026	0.049	0.018	0.31	0.0007	0.00137	0.037	0.0194
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	37.9	80.0	25.0	0.075	0.79	49.0	0.032	0.016	0.065	0.0011	0.0400	0.536	0.016	0.686	0.0008	0.0008	0.06	0.016
	<b>Maximum</b>	48.3	120	86.3	0.722	4.13	54.0	2.43	0.016	0.129	0.133	0.0900	0.722	0.079	1.95	0.0028	0.0060	0.18	0.077
	<b>% of values undetected</b>				86%	93%		14%	100%		14%			21%		93%	93%	64%	79%
	<b># of values between MDL and PQL</b>				1	1		8		1	1	3		11		1		5	3
	<b>Chronic Aquatic Life Criteria (CALC)<sup>(1)</sup></b>	NA	NA	NA	NA	NA	>=20	NA	NA	NA	NA	NA	230	NA	NA	NA	0.0052	NA	#NUM!
	<b>Drinking Water Standards (DWS)<sup>(2)</sup></b>	NA	NA	500	NA	NA	NA	10	NA	NA	NA	NA	250	4	250	NA	0.2	NA	NA
	<b>% of CALC exceedences</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%
	<b>% of DWS exceedences</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

December 2008

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW7S</b>																					
	09/24/04	130	12.5	0.0385	0.0385	0.282	0.261	2.04	0.847	0.0075	0.0075	0.750	0.750	1.55	3.10	0.0155	0.0155	4110	3920	3.19	0.713
	10/20/04	51.4	12.5	0.0385	0.0385	0.125	0.125	1.29	0.861	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	3400	3380	1.21	0.050
	03/17/05	493	1.49	0.0573	0.0373	0.317	0.217	4.90	0.894	0.0095	0.0015	0.0038	0.0038	7.02	1.58	0.0093	0.0031	4060	3090	5.91	0.945
	05/15/05	39.7	2.26	0.0309	0.0312	0.207	0.207	1.43	1.06	0.0015	0.0015	0.0038	0.0038	1.82		0.0079	0.0077	2710	2890	3.50	0.683
	08/21/05	26.0	1.00	0.0192	0.0196	0.125	0.250	1.10	0.930	0.0075	0.0075	0.0016	0.0016	1.55	5.00	0.0078	0.0078	3740	3430	3.65	0.671
	11/12/05	5.48	2.42	0.0050	0.0140	0.125	0.125	1.09	1.26	0.0075	0.0075	0.010	0.0050	1.55	1.55	0.0078	0.0078	3140	3420	2.05	0.45
	03/12/06	7.72	1.00	0.0482	0.0568	0.155	0.155	1.05	0.904	0.0120	0.0120	0.0626	0.0250	0.75	0.75	0.0125	0.0125	3810	3840	2.88	1.60
	08/21/06	3.83	1.00	0.0266	0.0202	0.155	0.535	0.778		0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	3530	3680	3.35	0.912
	10/30/06	1.00	1.00	0.0075	0.0075	0.440	0.355	1.07	1.07	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	2820	2810	2.18	0.050
	08/23/07	7.91	1.00	0.0212	0.0220	0.155	0.155	0.996	0.927	0.0125	0.0125	0.0075	0.0230	1.25	1.25	0.0075	0.0075	4310	4450	4.00	0.908
	11/14/07	1.00	1.00	0.0204	0.0204	0.155	0.155	0.918	0.892	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	3720	3750	2.46	0.759
	<b>Mean</b>	70.0	3.00	0.029	0.0278	0.204	0.231	1.51	0.96	0.0094	0.0086	0.15	0.14	1.9	1.9	0.012	0.011	3580	3510	3.13	0.70
	<b>Median</b>	7.91	1.00	0.027	0.0220	0.155	0.207	1.09	0.92	0.0095	0.0075	0.0075	0.0075	1.6	1.4	0.0093	0.0078	3720	3430	3.19	0.71
	<b>St. Deviation</b>	145	5	0.0162	0.0141	0.101	0.122	1.17	0.13	0.0035	0.0042	0.3	0.3	1.72	1.26	0.0046	0.0052	520	480	1.23	0.43
	<b># of values</b>	11	11	11	11	11	11	11	10	11	11	11	11	11	10	11	11	11	11	11	11
	<b>Minimum</b>	1.00	1.00	0.0050	0.0075	0.125	0.125	0.778	0.847	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0075	0.0031	2710	2810	1.21	0.050
	<b>Maximum</b>	493	12.5	0.0573	0.0568	0.440	0.535	4.90	1.26	0.0125	0.0125	0.750	0.750	7.02	5.00	0.0185	0.0185	4310	4450	5.91	1.60
	<b>% of values undetected</b>	18%	73%	36%	27%	64%	55%			91%	100%	82%	91%	82%	80%	82%	91%				18%
	<b># of values between MDL and PQL</b>			4	3	2	2			1			1		1	2	1				
<b>MW8D</b>																					
	09/06/04	12.5	12.5	0.0812	0.116	1.20	1.21	2.85	2.77	0.0075	0.0075			5.00	1.55	0.0155	0.0155	11200	11500	0.696	0.631
	10/19/04	12.5	12.5	0.0895	0.0797	1.07	1.23	2.53	2.54	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	12300	13600	0.357	0.379
	03/15/05	2.26	1.63	0.0423	0.0379	1.24	1.35	2.67	2.59	0.0015	0.0015	0.0038	0.0038	2.34	2.67	0.0031	0.0031	13000	13200	1.28	0.564
	05/12/05	1.90		0.0551	0.0620	1.39	1.38	2.37	2.72	0.0015	0.0015	0.0038	0.0038	2.70	3.22	0.0031	0.0031	14700	12200	1.12	0.353
	08/20/05	3.25	3.94	0.0442	0.0448	1.29	1.37	9.25	2.41	0.0075	0.0075	0.0016	0.0016	1.55	10.2	0.0078	0.0078	13500	12900	1.39	0.671
	11/06/05	2.75	2.46	0.0246	0.0186	1.12	1.35	2.31	2.38	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	13200	13000	1.19	0.684
	03/10/06	2.35	1.00	0.0636	0.0500	1.16	1.11	2.73	2.51	0.0120	0.0120	0.0528	0.0250	2.55	2.50	0.0125	0.0125	12900	11900	1.14	
	05/20/06	25.1	2.73	0.0510	0.0486	1.06	0.673	3.61	2.50	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	13300	13500	1.11	1.08
	08/20/06	2.26	2.02	0.0420	0.0436	1.26	1.33	2.70	2.59	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	13700	12900	1.14	0.779
	10/25/06	1.00	1.00	0.0250	0.0250	0.947	0.884	2.39	2.58	0.0125	0.0125	0.0075	0.0075	2.84	1.25	0.0185	0.0185	12400	13000	1.34	0.906
	03/17/07	2.00	1.00	0.0250	0.0250	1.17	1.16	2.15	2.11	0.0250	0.0125	0.0075	0.0075	2.50	1.25	0.0075	0.0075	13600	11400	0.904	0.562
	05/14/07	2.16	1.00	0.0472	0.0470	1.06	0.957	2.53	2.55	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	13300	13200	0.977	0.623
	08/21/07	2.81	1.00	0.0398	0.0414	1.07	1.21	2.31	2.40	0.0125	0.0125	0.0075	0.0075	1.25	2.74	0.0075	0.0075	13400	14000	0.850	0.589
	11/15/07	2.36	1.00	0.0388	0.0406	1.13	1.24	2.49	2.46	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	13400	13500	0.675	0.473
	<b>Mean</b>	5.40	3.40	0.0478	0.0490	1.15	1.18	3.06	2.51	0.010	0.0094	0.070	0.060	2.0	2.4	0.010	0.010	13100	12800	1.01	0.640
	<b>Median</b>	2.40	1.63	0.0433	0.0440	1.15	1.22	2.53	2.53	0.012	0.012	0.0075	0.0075	1.6	1.6	0.0078	0.0078	13300	13000	1.12	0.623
	<b>St. Deviation</b>	6.8	4.2	0.0195	0.025	0.11	0.21	1.81	0.16	0.0058	0.004	0.21	0.21	1.08	2.4	0.0052	0.0052	800	800	0.29	0.2
	<b># of values</b>	14	13	14	14	14	14	14	14	14	14	13	13	14	14	14	14	14	14	14	13
	<b>Minimum</b>	1.00	1.00	0.0246	0.0186	0.947	0.673	2.15	2.11	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	11200	11400	0.36	0.353
	<b>Maximum</b>	25.1	12.5	0.0895	0.116	1.39	1.38	9.25	2.77	0.025	0.0125	0.750	0.750	5.00	10.2	0.0185	0.0185	14700	14000	1.39	1.08
	<b>% of values undetected</b>	29%	62%	14%	14%					100%	100%	99%	108%	71%	71%	100%	100%				
	<b># of values between MDL and PQL</b>			6	7									2	1						
	<b>Chronic Aquatic Life Criteria (CALC)<sup>(1)</sup></b>	87	87	NA	NA	150	150	NA	NA	NA	NA	NA	NA	NA	NA	0.137	0.129	NA	NA	11	10.56
	<b>Drinking Water Standards (DWS)<sup>(2)</sup></b>	NA	NA	6	NA	10	NA	2,000	NA	4	NA	NA	NA	NA	NA	5	NA	NA	NA	100	NA
	<b>% of CALC exceedences</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	<b>% of DWS exceedences</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW7S</b>													
	09/24/04	0.0031	0.0031	2310	2310	0.0125	0.0125	0.155	0.155	1.37		0.541	0.694
	10/20/04	0.0031	0.0031	2220	2130	0.0125	0.0125	0.155	0.155	1.01	1.11	0.235	0.235
	03/17/05	0.0087	0.0014	2380	2170	0.0021	0.0021	0.309	0.100	1.94	1.12	1.65	0.569
	05/15/05	0.0014	0.0014	1700	1560	0.0021	0.0021	0.100	0.030	0.837	0.747	0.50	0.50
	08/21/05	0.0031	0.0031	2550	2310	0.0031	0.0031	0.031	0.031	1.03	0.91	0.75	0.75
	11/12/05	0.0031	0.0031	2120	2310	0.0031	0.0031	0.031	0.100	0.630	1.08	0.75	
	03/12/06	0.0031	0.0031	2560	2570	0.0050	0.0025	0.0488	0.0155	0.979	0.663	2.52	2.37
	08/21/06	0.0031	0.0100	2380	2540	0.0050	0.0050	0.050	0.050	1.24	1.20	1.15	1.99
	10/30/06	0.0031	0.0031	1710	1740	0.0050	0.0050	0.050	0.050	1.38	1.45	0.155	0.50
	08/23/07	0.0031	0.0031	2720	2990	0.0050	0.0050	0.050	0.050	0.774	0.768	1.42	1.92
	11/14/07	0.0031	0.0031	2190	2240	0.0050	0.0050	0.050	0.050	0.997	0.931	0.50	0.50
	<b>Mean</b>	0.0035	0.0030	2260	2260	0.0050	0.0050	0.090	0.070	1.11	1	0.92	1.0
	<b>Median</b>	0.0031	0.0031	2310	2310	0.0050	0.0050	0.050	0.050	1.01	1.01	0.75	0.63
	<b>St. Deviation</b>	0.0018	0.002	330	390	0.004	0.004	0.08	0.05	0.36	0.24	0.71	0.77
	<b># of values</b>	11	11	11	11	11	11	11	11	11	10	11	10
	<b>Minimum</b>	0.0014	0.0014	1700	1560	0.0021	0.0021	0.031	0.0155	0.630	0.663	0.155	0.235
	<b>Maximum</b>	0.0087	0.0100	2720	2990	0.0125	0.0125	0.309	0.155	1.94	1.45	2.52	2.37
	<b>% of values undetected</b>	91%	91%			91%	100%	82%	100%			55%	50%
	<b># of values between MDL and PQL</b>	1	1			1		1		2	2	1	2
<b>MW8D</b>													
	09/06/04	0.0031	0.0031	3070	2910	0.0125	0.0125	0.155	0.155	1.42	1.11	2.00	0.75
	10/19/04	0.0031	0.0031	3120	3230	0.0125	0.0125	0.155	0.155	1.07	1.14	0.75	0.75
	03/15/05	0.0014	0.0014	3300	3120	0.0021	0.0021	0.296	0.100	1.25	1.18	0.2345	0.2345
	05/12/05	0.0014	0.0014	3580	3070	0.0021	0.0021	0.0302	0.0302	1.17	1.22	0.2345	0.2345
	08/20/05	0.0730	0.0031	3380	3510	0.0031	0.0031	0.031	0.031	1.30	1.27	0.75	0.75
	11/06/05	0.0031	0.0086	3290	3320	0.0031	0.0031	0.031	0.031	1.06	1.18	0.75	0.75
	03/10/06	0.0031	0.0031	3630	3660	0.0025	0.0025	0.0155	0.0155	0.640	0.660	2.36	2.38
	05/20/06	0.0031	0.0031	3730	3530	0.0025	0.0102	0.0155	0.0155	1.41	1.00	0.864	1.36
	08/20/06	0.0031	0.0031	3480	3380	0.0050	0.0050	0.050	0.050	1.12	1.10	1.61	1.09
	10/25/06	0.0031		3360	3650	0.0050	0.0050	0.050	0.050	0.984	0.744	0.155	0.155
	03/17/07	0.0031	0.0031	3660	2870	0.0050	0.0050	0.050	0.050	1.29	1.37	1.68	0.50
	05/14/07	0.0031	0.0031	3680	3590	0.0050	0.0050	0.050	0.050	0.814	0.829	1.12	0.50
	08/21/07	0.0031	0.0031	3240	3570	0.0050	0.0050	0.050	0.050	1.12	1.05	2.84	1.95
	11/15/07	0.0031	0.0031	3420	3490	0.0050	0.0050	0.050	0.050	1.05	1.13	0.50	0.50
	<b>Mean</b>	0.0080	0.0030	3420	3350	0.0050	0.0060	0.070	0.060	1.12	1.07	1.1	0.85
	<b>Median</b>	0.0030	0.0031	3400	3440	0.0050	0.0050	0.050	0.050	1.12	1.12	0.81	0.75
	<b>St. Deviation</b>	0.019	0.002	210	270	0.003	0.004	0.08	0.05	0.22	0.2	0.84	0.65
	<b># of values</b>	14	13	14	14	14	14	14	14	14	14	14	14
	<b>Minimum</b>	0.0014	0.0014	3070	2870	0.0021	0.0021	0.0155	0.0155	0.640	0.660	0.155	0.155
	<b>Maximum</b>	0.0730	0.0086	3730	3660	0.0125	0.0125	0.296	0.155	1.42	1.37	2.84	2.38
	<b>% of values undetected</b>	93%	92%			100%	93%	93%	100%			50%	71%
	<b># of values between MDL and PQL</b>		1							2	2		
	<b>Chronic Aquatic Life Criteria (CALC)<sup>(1)</sup></b>	0.83	0.71	NA	NA	NA	NA	NA	NA	NA	NA	54.9	54.1
	<b>Drinking Water Standards (DWS)<sup>(2)</sup></b>	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA	NA
	<b>% of CALC exceedences</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	<b>% of DWS exceedences</b>	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW8M</b>																			
	09/06/04	22.2	60.0	52.5	0.075	5.60	32.0	0.155			0.0700		0.794	0.144	1.12	0.0013	0.0013	0.20	0.016
	10/19/04	20.5	65.0	18.8	0.075	11.2	29.5	0.155			0.0155		0.759	0.050	2.63	0.0013	0.0030	0.03	0.016
	03/15/05	25.1	70.0	50.0	0.075	7.00	29.0	0.050			0.0921		0.672	0.043	1.28	0.0025	0.0025	0.18	0.050
	05/12/05	26.3	65.0	61.2	0.075	8.75	30.0	0.080			0.142		0.635	0.039	1.18	0.0013	0.0013	0.20	0.016
	08/20/05	24.2	65.0	47.5	0.075	5.00	30.5	0.056			0.0180		0.617	0.032	1.11	0.0025	0.0025	0.79	0.016
	11/06/05	22.1	60.0	35.0	0.075	8.5	30.5	0.038			0.0180		0.616	0.016	1.16	0.0013	0.0013	0.13	0.016
	03/10/06	24.6	50.0	22.5	0.150	8.00	34.0	0.050			0.0110		0.650	0.016	1.18	0.0013	0.0013	0.16	0.050
	05/20/06	25.5	65.0	48.8	0.200	6.25	33.0	0.366			0.0310		0.654	0.051	1.45	0.0013	0.0013	0.16	0.150
	08/20/06	26.3	55.0	67.5	0.300	10.3	32.0	0.099	0.016	0.099	0.0120	0.0500	0.657	0.063	1.14	0.0008	0.0008	0.16	0.016
	10/25/06	23.1	50.0	46.3	0.075	7.75	30.0	0.105	0.016	0.105	0.0340	0.0400	0.711	0.069	1.16	0.0008	0.0008	0.16	0.050
	03/17/07	22.6	50.0	37.5	0.150	8.25	34.0	0.070	0.016	0.056	0.0220	0.140	0.591	0.016	0.933	0.0008	0.0008	0.16	0.016
	05/14/07	25.8	60.0	51.3	0.075	6.50	31.0	0.050			0.0175		0.716	0.046	1.12	0.0008	0.0008	0.16	0.016
	08/20/07	24.6	60.0	45.0	0.075	10.0	30.6	0.074			0.0142		0.570	0.033	0.854	0.0008	0.0008	0.16	0.016
	11/15/07	28.2	60.0	60.0	0.075	8.00	30.8	0.016			0.0188		0.583	0.039	1.03	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	24.4	60.0	46.0	0.11	8.00	31.0	0.10	0.016	0.087	0.0400	0.0800	0.659	0.050	1.24	0.0012	0.0013	0.20	0.033
	<b>Median</b>	24.6	60.0	48.2	0.08	8.00	31.0	0.070	0.016	0.099	0.0200	0.0500	0.652	0.040	1.15	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	2.1	6	13.8	0.07	2	2	0.09	0	0.027	0.04	0.06	0.066	0.03	0.42	0.0006	0.0008	0.175	0.037
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	20.5	50.0	18.8	0.075	5.00	29.0	0.016	0.016	0.056	0.0110	0.0400	0.570	0.016	0.854	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	28.2	70.0	67.5	0.30	11.2	34.0	0.366	0.016	0.105	0.142	0.140	0.794	0.144	2.63	0.0025	0.0030	0.79	0.150
	<b>% of values undetected</b>				86%			29%	100%		7%			29%		100%	93%	64%	93%
	<b># of values between MDL and PQL</b>				2	5		8		2	3	2		9			1	5	
<b>MW8S</b>																			
	09/06/04	14.5	38.0	42.5	0.075	3.4	20.0	0.155			0.0155		0.687	0.127	0.865	0.0027	0.0013	0.07	0.016
	10/19/04	15.3	50.0	25.0	0.30	6.0	22.0	0.155			0.0155		0.700	0.016	1.34	0.0013	0.0027	0.03	0.016
	03/15/05	16.5	42.0	32.5	0.075	5.50	20.0	0.050			0.0750		0.714	0.037	0.995	0.0025	0.0025	0.16	0.016
	05/12/05	17.5	41.0	45.0	0.075	6.88	20.5	0.070			0.0335		0.627	0.016	1.23	0.0013	0.0013	0.14	0.016
	08/20/05	14.8	38.5	32.5	0.075	3.75	17.0	0.205			0.0160		0.792	0.016	0.948	0.0013	0.0013	0.21	0.016
	11/06/05	17.3	46.5	20.0	0.40	6.50	22.5	0.036			0.0140		0.687	0.016	1.78	0.0013	0.0013	0.13	0.016
	03/10/06	17.5	48.0	28.7	0.075	6.75	24.0	0.057			0.0098		0.669	0.016	0.980	0.0013	0.0013	0.16	0.050
	05/20/06	18.2	43.0	38.8	0.150	7.25	23.0	0.090			0.0260		0.638	0.035	0.926	0.0013	0.0013	0.16	0.042
	08/20/06	19.0	47.0	58.7	0.300	7.00	20.0	0.074	0.016	0.074	0.0160	0.0500	0.780	0.049	4.88	0.0008	0.0008	0.16	0.032
	10/25/06	17.8	48.0	45.0	0.075	8.00	24.0	0.071	0.016	0.071	0.0300	0.0155	0.700	0.061	2.55	0.0008	0.0008	0.16	0.050
	03/17/07	14.8	43.0	25.0	0.200	8.50	24.0	0.084	0.016	0.067	0.0180	0.0800	0.542	0.031	1.45	0.0008	0.0008	0.16	0.016
	05/14/07	16.5	44.0	30.0	0.0775	6.00	23.0	0.050			0.0108		0.729	0.037	0.874	0.0008	0.0008	0.16	0.050
	08/20/07	16.1	43.0	21.3	0.075	8.50	18.1	0.091			0.0108		0.580	0.016	1.46	0.0008	0.0008	0.16	0.016
	11/15/07	20.0	48.0	51.3	0.0765	7.50	22.1	0.016			0.0213		0.561	0.016	1.49	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	16.8	44.0	35.5	0.14	6.5	21.0	0.086	0.016	0.070	0.0220	0.0490	0.672	0.035	1.55	0.0012	0.0012	0.14	0.026
	<b>Median</b>	16.9	44.0	32.5	0.08	6.8	22.0	0.072	0.016	0.071	0.0160	0.0500	0.687	0.023	1.29	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.7	4	11.7	0.11	1.5	2	0.052	0	0.0033	0.017	0.032	0.075	0.03	1.06	0.0006	0.0006	0.044	0.0152
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	14.5	38.0	20.0	0.075	3.4	17.0	0.016	0.016	0.067	0.0098	0.0155	0.542	0.016	0.865	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	20.0	50.0	58.7	0.40	8.50	24.0	0.205	0.016	0.074	0.0750	0.0800	0.792	0.127	4.88	0.0027	0.0027	0.21	0.050
	<b>% of values undetected</b>				71%			29%	100%		14%	33%		50%		93%	93%	71%	86%
	<b># of values between MDL and PQL</b>				4	9		9		3	3	2		6		1	1	4	2



**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW8M</b>																					
	09/06/04	3.90	3.90	0.0385	0.0385	0.125	0.125	3.96	4.07	0.0075	0.0075			5.00	5.00	0.0155	0.0155	6490	6470	0.222	0.254
	10/19/04	3.90	12.5	0.0385	0.0385	0.125	0.125	3.53	3.90	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	5810	6980	0.336	0.184
	03/15/05	2.60	0.75	0.0104	0.0099	0.0983	0.0617	4.17	4.09	0.0015	0.0015	0.0038	0.0038	1.86	2.02	0.0031	0.0031	6900	6780	0.310	0.207
	05/12/05	2.21	1.08	0.0100	0.0100	0.0728	0.0727	3.60	4.33	0.0015	0.0015	0.0038	0.0038	2.08	2.24	0.0031	0.0031	7610	6240	0.397	0.036
	08/20/05	3.07	2.51	0.0178	0.0112	0.125	0.250	3.78	3.44	0.0075	0.0075	0.0016	0.0016	1.55	5.00	0.0078	0.0078	6930	6550	0.654	0.320
	11/06/05	2.30	1.00	0.0016	0.0016	0.250	0.125	3.29	3.21	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	6260	6180	0.337	0.254
	03/10/06	2.83	3.95	0.0218	0.0178	0.155	0.155	4.04	3.96	0.0120	0.0120	0.0676	0.0250	2.24	2.50	0.0125	0.0125	6690	6620	0.754	0.574
	05/20/06	61.9	1.00	0.0214	0.0228	0.155	0.155	3.72	3.96	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	7190	7530	0.364	
	08/20/06	1.00	1.00	0.0075	0.0075	0.155	0.155	4.13	4.24	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	7440	7690	0.447	0.491
	10/25/06	11.2	1.00	0.0075	0.0075	0.155	0.155	3.62	3.69	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	6400	6790	0.563	
	03/17/07	13.5		0.0250	0.0250	0.155	0.155	3.84	4.13	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6460	7280	0.343	0.436
	05/14/07	1.00	2.27	0.0432	0.0626	0.155	0.155	4.11	4.32	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	7140	7570	0.483	0.479
	08/20/07	3.37	1.00	0.0314	0.0164	0.155	0.155	4.24	4.14	0.0125	0.0125	0.0266	0.0075	1.25	1.25	0.0075	0.0075	7040	7460	0.600	0.472
	11/15/07	3.23	1.00	0.0075	0.0170	0.155	0.155	4.24	4.44	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8060	8560	0.529	0.491
	<b>Mean</b>	8.30	2.5	0.020	0.020	0.145	0.143	3.88	3.99	0.0094	0.0094	0.070	0.060	1.7	2.0	0.010	0.010	6890	7050	0.45	0.35
	<b>Median</b>	3.20	1.0	0.020	0.017	0.155	0.155	3.90	4.08	0.012	0.012	0.0075	0.0075	1.4	1.4	0.0078	0.0078	6920	6890	0.42	0.378
	<b>St. Deviation</b>	15.9	3.2	0.0136	0.0164	0.04	0.044	0.3	0.35	0.004	0.004	0.21	0.21	1.02	1.35	0.0052	0.0052	590	660	0.15	0.164
	<b># of values</b>	14	13	14	14	14	14	14	14	14	14	13	13	14	14	14	14	14	14	14	12
	<b>Minimum</b>	1.00	0.75	0.0016	0.0016	0.073	0.0617	3.29	3.21	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	5810	6180	0.22	0.036
	<b>Maximum</b>	61.9	12.5	0.0432	0.0626	0.250	0.250	4.24	4.44	0.0125	0.0125	0.750	0.750	5.00	5.00	0.0185	0.0185	8060	8560	0.75	0.574
	<b>% of values undetected</b>	29%	62%	57%	50%	86%	86%			100%	100%	91%	108%	79%	86%	100%	100%				8%
	<b># of values between MDL and PQL</b>			5	5							1		1							1
<b>MW8S</b>																					
	09/06/04	12.5	12.5	0.0385	0.0385	0.125	0.125	2.78	2.56	0.0075	0.0075			5.00	5.00	0.0155	0.0155	4480	3650	0.100	0.100
	10/19/04	12.5	12.5	0.0385	0.0385	0.125	0.125	3.32	3.28	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	4590	5210	0.532	0.517
	03/15/05	13.7	1.18	0.0235	0.0219	0.0757	0.0662	3.36	3.13	0.0015	0.0015	0.0038	0.0038	1.77	2.06	0.0031	0.0031	4800	4860	0.476	0.157
	05/12/05	17.4	1.75	0.0214	0.0100	0.0518	0.0480	3.97	4.45	0.0045	0.0015	0.0038	0.0038	2.71		0.0094	0.0080	5390	4560	0.452	0.151
	08/20/05	16.9	5.52	0.0180		0.125	0.125	2.69	2.59	0.0075	0.0075	0.0016	0.0016	1.55	5.00	0.0078	0.0078	4450	4470	0.966	0.100
	11/06/05	24.0	5.75	0.0016	0.0016	0.125	0.125	3.96	3.56	0.0075	0.0075	0.0016	0.0016	1.55	1.55	0.0078	0.0078	5350	5090	0.513	0.100
	03/10/06	6.92	1.00	0.0228	0.0152	0.155	0.155	3.07	2.68	0.0120	0.0120	0.0640	0.0250	1.77	0.75	0.0125	0.0125	4950	4640	0.879	0.541
	05/20/06	6.94	1.00	0.0268	0.0266	0.155	0.155	2.77	2.95	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	5220	5410	0.597	0.586
	08/20/06	16.5	1.00	0.0075	0.0075	0.155	0.155	4.65	4.70	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5910	6340	0.465	0.456
	10/25/06	21.1	2.07	0.0075	0.0075	0.155	0.155	4.39	4.33	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	5390	5640	0.470	0.463
	03/17/07	5.64	2.68	0.0250	0.0250	0.155	0.155	2.60	2.49	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4340	4510	0.332	0.234
	05/14/07	4.65	2.39	0.0075	0.0075	0.155	0.155	2.91	3.00	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	4710	5070	0.364	0.325
	08/20/07	7.91	1.00	0.0168	0.0075	0.155	0.155	2.58	2.38	0.0125	0.0125	0.0638	0.0075	1.25	1.25	0.0075	0.0075	4870	4760	0.491	0.289
	11/15/07	10.5	1.00	0.0075	0.0075	0.155	0.155	3.58	3.44	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	6080	6100	0.432	0.323
	<b>Mean</b>	12.7	3.70	0.019	0.017	0.133	0.132	3.33	3.25	0.0096	0.0094	0.070	0.060	1.7	1.9	0.011	0.011	5040	5020	0.51	0.310
	<b>Median</b>	12.5	1.90	0.020	0.01	0.155	0.155	3.20	3.07	0.012	0.012	0.0075	0.0075	1.4	1.3	0.009	0.0079	4910	4970	0.47	0.306
	<b>St. Deviation</b>	6	4.1	0.0116	0.012	0.033	0.035	0.69	0.76	0.0036	0.004	0.2	0.21	1.04	1.43	0.0047	0.0048	540	700	0.21	0.176
	<b># of values</b>	14	14	14	13	14	14	14	14	14	14	13	13	14	13	14	14	14	14	14	14
	<b>Minimum</b>	4.65	1.00	0.0016	0.0016	0.052	0.0480	2.58	2.38	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	4340	3650	0.100	0.100
	<b>Maximum</b>	24.0	12.5	0.0385	0.0385	0.155	0.155	4.65	4.70	0.0125	0.0125	0.750	0.750	5.00	5	0.0185	0.0185	6080	6340	0.97	0.586
	<b>% of values undetected</b>	14%	50%	57%	77%	86%	86%			93%	100%	91%	108%	79%	92%	93%	93%			7%	21%
	<b># of values between MDL and PQL</b>			3	2					1				1		1	1				2

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

### December 2008

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>MW8M</b>																									
	09/06/04	0.0500		0.100	0.304	43.9	46.5	0.050	0.050	1450	1500	1.21	1.57	0.0310		0.155	0.155	0.207		297	313	0.155	0.155	9210	
	10/19/04	0.0155	0.0155	0.100	0.100	3.10	3.10	0.050	0.050	1460	1700	0.500	0.250	0.0310	0.0310	0.155	0.155	0.255	0.207	278	336	0.155	0.155	8470	
	03/15/05	0.0115	0.0155	0.0862	0.0300	3.74	4.04	0.011	0.011	1910	1650	0.33	0.243	0.0315	0.0315	0.0789	0.0500	0.190	0.131	316	310	0.0326	0.0143	6820	
	05/12/05	0.0123	0.0124	0.0692	0.0300	2.93	1.33	0.011	0.035	1770	1570	0.196	0.139	0.0315	0.0315	0.0400	0.111	0.160	0.201	317	326	0.0143	0.032	8020	
	08/20/05	0.0354	0.0336	0.398	0.351	17.3	3.10	0.0155	0.0852	1680	1670	0.293	0.100	0.0310	0.0310	0.0998	0.0948	0.510	0.578	322	309	0.0775	0.165	9090	
	11/06/05	0.0294	0.0186	0.183	0.177	3.10	3.10	0.050	0.050	1570	1570	0.100	0.100	0.0310	0.0310	0.0314	0.0100	0.299	0.319	282	281	0.0775	0.0775	9330	
	03/10/06	0.0100	0.0108	0.285	0.170	10.0	10.0	0.0930		1910	1980	0.166		0.000475	0.000475	0.0608	0.0284	0.257	0.254	307	320	0.155	0.155	9030	
	05/20/06	0.0296	0.0228	0.241	0.206	3.10	7.19	0.230	0.0944	1840	1750	0.220	0.143	0.000475	0.000475	0.0542	0.0075	0.390	0.360	350	358	0.155	0.155	8880	
	08/20/06	0.0280	0.0270	0.230	0.204	3.10	3.10	0.0155		1870	1920	0.172	0.177	0.000475	0.000475	0.0516	0.0598	0.264	0.328	325	348	0.155	0.155	8860	
	10/25/06	0.0065	0.0144	0.156	0.183	10.0	10.0	0.0155	0.050	1730	1830	0.112	0.112	0.000475	0.00107	0.0958	0.112	0.213	0.332	296	315	0.155	0.155	8360	
	03/17/07	0.0214	0.0278	0.158		10.0	37.9	0.050	0.050	1560	1860	0.417		0.000169	0.000475	0.0828	0.107	0.338	0.390	272		0.155	0.155	9130	
	05/14/07	0.0100	0.0100	0.201	0.296	10.0	10.0	0.123	0.136	1930	2010	0.137	0.158	0.000169	0.000475	0.106	0.110	0.308	0.392	328	342	0.155	0.155	9310	
	08/20/07	0.0194	0.0130	0.351	0.198	10.0	10.0	0.113	0.0155	1700	1810	0.301	0.0938	0.000169	0.000475	0.0920	0.0954	0.412	0.338	333	338	0.155	0.155	9430	
	11/15/07	0.0050	0.0050	0.154	0.164	11.1	9.93	0.0155	0.0155	1970	2080	0.128	0.0950	0.00250	0.000475	0.116	0.127	0.299	0.395	363	383	0.155	0.155	10400	
	<b>Mean</b>	0.0203	0.0170	0.194	0.186	10.0	11.0	0.060	0.05	1740	1780	0.310	0.270	0.0137	0.0123	0.0870	0.0870	0.293	0.325	313	329	0.125	0.131	8900	
	<b>Median</b>	0.0175	0.0155	0.171	0.183	10.0	9.00	0.050	0.050	1750	1780	0.210	0.140	0.00150	0.000475	0.0870	0.101	0.282	0.332	317	326	0.155	0.155	9100	
	<b>St. Deviation</b>	0.0128	0.008	0.099	0.096	11	14	0.06	0.04	180	180	0.29	0.41	0.0157	0.0155	0.038	0.049	0.096	0.112	27	26	0.051	0.051	800	
	<b># of values</b>	14	13	14	13	14	14	14	12	14	14	14	12	14	13	14	14	14	13	14	13	14	14	14	
	<b>Minimum</b>	0.0050	0.0050	0.069	0.0300	2.93	1.33	0.011	0.011	1450	1500	0.100	0.0938	0.000169	0.000475	0.0314	0.0075	0.160	0.131	272	281	0.0143	0.0143	6820	
	<b>Maximum</b>	0.0500	0.0336	0.398	0.351	43.9	46.5	0.230	0.136	1970	2080	1.21	1.57	0.0315	0.0315	0.155	0.155	0.510	0.578	363	383	0.155	0.165	10400	
	<b>% of values undetected</b>	43%	23%	14%	23%	64%	64%	71%	75%			14%	25%	100%	92%	14%	36%					93%	86%		
	<b># of values between MDL and PQL</b>	3	5			4	3		1						1	2	1					1	2		
<b>MW8S</b>																									
	09/06/04	0.0500	0.111	0.100		33.3	27.6	0.050	0.050	796	852	1.78	1.56	0.0310		0.155	0.155	0.100		243	220	0.155	0.155	7280	
	10/19/04	0.0500	0.0500	0.100	0.100	10.0	25.9	0.050	0.050	932	1040	4.46	3.68	0.0310	0.0310	0.155	0.155	0.276	0.343	258	287	0.155	0.155	7110	
	03/15/05	0.0228	0.0145	0.181	0.0982	15.8	1.33	0.011		1100	950	1.92	1.49	0.0315	0.0315	0.0169		0.309	0.362	243	244	0.0143	0.0143	5620	
	05/12/05	0.0301	0.0214	0.275	0.174	20.1	1.33	0.0734	0.011	981	918	6.74	5.81	0.0315	0.0315	0.0702	0.0646	0.264	0.211	248	249	0.0143	0.0143	6260	
	08/20/05	0.0368	0.0198	0.665	0.375	20.9	3.10	0.037	0.037	901	941	1.19	0.777	0.0310	0.0310	0.055	0.061	0.547	0.433	236	243	0.0775	0.0775	7320	
	11/06/05	0.0414	0.0184	0.307	0.281	28.5	3.10	0.050	0.050	942	922	2.60	0.768	0.0310	0.0310	0.0031	0.0031	0.493	0.370	259	242	0.0775	0.0775	7800	
	03/10/06	0.0100	0.0102	0.606	0.464	10.0	10.0	0.0806		1260	1200	0.767	0.247	0.000475	0.000475	0.0370	0.0075	0.329	0.261	250	243	0.155	0.155	7430	
	05/20/06	0.0302	0.0268	0.859	0.797	7.13	8.93	0.0538		1270	1180	0.549	0.312	0.000475	0.000475	0.0075	0.0075	0.343	0.363	277	281	0.155	0.155	6940	
	08/20/06	0.0320	0.0258	0.938	0.629	11.6	3.10	0.165	0.050	1040	1130	1.64	0.914	0.000475	0.000475	0.0145	0.0145	0.329	0.404	255	270	0.155	0.155	7060	
	10/25/06	0.0300	0.0065	0.746	0.567	32.1	10.0	0.050	0.0155	1050	1090	1.99	0.675	0.000475	0.000475	0.0388	0.0328	0.267	0.251	248	258	0.155	0.155	7240	
	03/17/07	0.0100	0.0100	1.41	1.28	10.0	3.10	0.050	0.050	954	991	0.489	0.210	0.000169	0.000475	0.0488	0.0478	0.254	0.246	196	204	0.155	0.155	5660	
	05/14/07	0.0100	0.0050	1.41	1.22	10.0	10.0	0.0155	0.050	1140	1180	0.298	0.207	0.000169	0.000475	0.0410	0.0484	0.213	0.242	244	252	0.155	0.155	6780	
	08/20/07	0.0200	0.0118	1.03	1.05	10.0	10.0	0.050	0.050	956	945	0.412	0.180	0.000169	0.000475	0.0474	0.0444	0.286	0.227	255	228	0.155	0.155	6670	
	11/15/07	0.0184	0.0050	0.744	0.553	15.9	6.93	0.0155	0.0155	1170	1200	0.502	0.243	0.000169	0.000475	0.0584	0.0612	0.244	0.236	282	287	0.155	0.155	8220	
	<b>Mean</b>	0.0280	0.024	0.670	0.580	16.8	9.00	0.050	0.00	1040	1040	1.81	1.22	0.0135	0.0123	0.053	0.054	0.304	0.304	250	251	0.124	0.124	6960	
	<b>Median</b>	0.0300	0.016	0.700	0.553	13.7	8.00	0.050	0.10	1010	1020	1.42	0.72	0.000500	0.000475	0.044	0.0478	0.281	0.261	249	247	0.155	0.155	7090	
	<b>St. Deviation</b>	0.014	0.028	0.44	0.4	8.9	8	0.04	0	140	120	1.81	1.62	0.0158	0.0156	0.047	0.05	0.11	0.077	20	25	0.054	0.054	730	
	<b># of values</b>	14	14	14	13	14	14	14	10	14	14	14	14	14	13	14	13	14	13	14	14	14	14	14	
	<b>Minimum</b>	0.0100	0.0050	0.100	0.0982	7.13	1.33	0.011	0.011	796	852	0.298	0.180	0.000169	0.000475	0.0031	0.0031	0.100	0.211	196	204	0.0143	0.0143	5620	
	<b>Maximum</b>	0.0500	0.111	1.41	1.28	33.3	27.6	0.165	0.05	1270	1200	6.74	5.81	0.0315	0.0315	0.155	0.155	0.547	0.433	282	287	0.155	0.155	8220	
	<b>% of values undetected</b>	36%	36%	14%	8%	36%	71%	64%	100%					100%	100%	43%	46%	7%					100%	100%	
	<b># of values between MDL and PQL</b>	2	4			3	2	1								6	5								

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW8M</b>													
	09/06/04	0.0031	0.0031	2260	2420	0.0125	0.0125	0.155	0.155	0.125	0.125	0.75	1.66
	10/19/04	0.0031	0.0031	2380	2690	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.75
	03/15/05	0.0014	0.0014	2680	2350	0.0021	0.0021	0.266	0.0302	0.154	0.137	0.510	0.235
	05/12/05	0.0014	0.0014	2870	2400	0.0021	0.0021	0.0302	0.079	0.133	0.156	0.235	0.50
	08/20/05	0.0031	0.0031	2670	2700	0.0031	0.0031	0.031	0.031	0.100	0.100	0.75	0.75
	11/06/05	0.0031	0.0031	2480	2500	0.0031	0.0031	0.031	0.031	0.100	0.100	0.75	0.75
	03/10/06	0.0031	0.0031	2940	3070	0.0025	0.0025	0.0155	0.0155	0.110	0.110	2.68	
	05/20/06	0.0614	0.0031	3070	2920	0.0025	0.0072	0.0155	0.0155	0.543	0.110	1.91	1.61
	08/20/06	0.0031	0.0031	2840	2930	0.0050	0.0050	0.050	0.050	0.250	0.250	0.50	
	10/25/06	0.0031	0.0031	2720	2930	0.0050	0.0050	0.050	0.050	0.250	0.250	0.155	0.50
	03/17/07	0.0031	0.0031	2410	2870	0.0050	0.0050	0.050	0.050	0.432	0.155	2.04	1.27
	05/14/07	0.0031	0.0031	3010	3150	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	1.40
	08/20/07	0.0031	0.0031	2860	3010	0.0050	0.0050	0.050	0.050	0.155	0.155	6.68	2.76
	11/15/07	0.0031	0.0031	3200	3400	0.0050	0.0050	0.050	0.050	0.155	0.155	2.15	2.06
	<b>Mean</b>	0.0070	0.0029	2740	2810	0.0050	0.0050	0.070	0.060	0.199	0.149	1.4	1.2
	<b>Median</b>	0.0030	0.0031	2780	2900	0.0050	0.0050	0.050	0.050	0.155	0.146	0.75	1.0
	<b>St. Deviation</b>	0.016	0.0006	280	310	0.003	0.003	0.07	0.04	0.133	0.048	1.73	0.75
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	12
	<b>Minimum</b>	0.0014	0.0014	2260	2350	0.0021	0.0021	0.0155	0.0155	0.100	0.100	0.155	0.235
	<b>Maximum</b>	0.0614	0.0031	3200	3400	0.0125	0.0125	0.266	0.155	0.543	0.250	6.68	2.76
	<b>% of values undetected</b>	93%	100%			100%	93%	93%	93%	71%	86%	57%	50%
	<b># of values between MDL and PQL</b>						1		1	1		1	
<b>MW8S</b>													
	09/06/04	0.0031	0.0031	1740	1910	0.0125	0.0125	0.155	0.155	0.125	0.314	2.01	
	10/19/04	0.0031	0.0031	2020	2220	0.0125	0.0125	0.155	0.155	0.125	0.125	0.75	0.75
	03/15/05	0.0014	0.0014	2000	1690	0.0021	0.0021	0.303	0.100	0.155	0.121	3.67	4.35
	05/12/05	0.0036	0.0014	2160	1980	0.0021	0.0118	0.103	0.105	0.117	0.0869	2.23	1.68
	08/20/05	0.0031	0.0031	1950	2210	0.0031	0.0031	0.031	0.031	0.249	0.219	4.67	5.73
	11/06/05	0.0031	0.0031	2160	2080	0.0031	0.0031	0.031	0.031	0.100	0.200	2.42	3.49
	03/10/06	0.0031	0.0031	2500	2400	0.0025	0.0025	0.0522	0.0155	0.110	0.110	4.93	5.43
	05/20/06	0.0031	0.0031	2370	2200	0.0025	0.0096	0.0155	0.0155	0.250	0.110	2.69	
	08/20/06	0.0031	0.0031	2180	2390	0.0050	0.0050	0.050	0.050	0.250	0.250	1.63	1.64
	10/25/06	0.0031	0.0031	2570	2660	0.0050	0.0050	0.050	0.050	0.250	0.250	0.50	0.50
	03/17/07	0.0031	0.0031	1800	1880	0.0050	0.0050	0.050	0.050	0.155	0.322	5.73	4.21
	05/14/07	0.0031	0.0031	2130	2210	0.0050	0.0050	0.050	0.050	0.155	0.155	2.11	2.31
	08/20/07	0.0031	0.0031	2120	2010	0.0050	0.0050	0.050	0.050	0.155	0.155	10.3	6.89
	11/15/07	0.0031	0.0031	2600	2640	0.0050	0.0050	0.050	0.050	0.155	0.155	3.18	2.47
	<b>Mean</b>	0.0030	0.0029	2160	2180	0.0050	0.0060	0.080	0.060	0.168	0.184	3.3	3.3
	<b>Median</b>	0.0031	0.0031	2150	2210	0.0050	0.0050	0.050	0.050	0.155	0.155	2.6	3.0
	<b>St. Deviation</b>	0.0005	0.0006	270	280	0.003	0.004	0.08	0.05	0.057	0.077	2.5	2.06
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	12
	<b>Minimum</b>	0.0014	0.0014	1740	1690	0.0021	0.0021	0.0155	0.0155	0.100	0.0869	0.50	0.50
	<b>Maximum</b>	0.0036	0.0031	2600	2660	0.0125	0.0125	0.303	0.155	0.250	0.322	10.3	6.89
	<b>% of values undetected</b>	93%	100%			100%	86%	79%	93%	79%	64%	14%	17%
	<b># of values between MDL and PQL</b>	1					1	2	1	1	3		

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>MW9D</b>																			
	09/06/04	14.0	42.0	55.0	0.075	5.80	22.5	0.155			0.0600		0.722	0.031	0.637	0.0013	0.0013	0.07	0.016
	10/20/04	12.5	39.0	53.8	0.20	9.80	16.0	0.155			0.0500		0.781	0.016	0.725	0.0013	0.0027	0.12	0.016
	03/17/05	17.0	45.5	46.3	0.075	16.3	23.5	0.060			0.147		0.754	0.046	0.643	0.0013	0.0013	0.21	0.050
	05/15/05	13.7	38.5	56.3	1.0	7.75	17.5	0.250			0.0880		0.705	0.045	0.698	0.0013	0.0013	0.49	0.016
	08/21/05	14.6	40.5	41.3	0.075	8.25	20.5	0.016			0.0680		0.664	0.037	0.627	0.0013	0.0013	0.30	0.016
	08/21/06	16.2	42.0	65.0	1.00	8.75	22.0	0.093	0.016	0.070	0.0898	0.150	0.690	0.074	0.658	0.0008	0.0008	0.16	0.222
	08/23/07	17.6	50.0	42.5	2.10	9.25	23.4	0.073			0.0641		0.579	0.016	0.472	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	15.1	43.0	51.5	0.60	9.4	20.8	0.11	0.016	0.070	0.0800	0.150	0.699	0.038	0.637	0.0011	0.0013	0.21	0.050
	<b>Median</b>	14.6	42.0	53.8	0.20	8.75	22.0	0.093	0.016	0.070	0.0680	0.150	0.705	0.037	0.643	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	1.9	4	8.5	0.8	3.3	3	0.08	NA	NA	0.03	NA	0.066	0.02	0.081	0.00024	0.00065	0.14	0.077
	<b># of values</b>	7	7	7	7	7	7	7	1	1	7	1	7	7	7	7	7	7	7
	<b>Minimum</b>	12.5	38.5	41.3	0.075	5.8	16.0	0.016	0.016	0.070	0.0500	0.150	0.579	0.016	0.472	0.0008	0.0008	0.07	0.016
	<b>Maximum</b>	17.6	50.0	65.0	2.1	16.3	23.5	0.250	0.016	0.070	0.147	0.150	0.781	0.074	0.725	0.0013	0.0027	0.49	0.222
	<b>% of values undetected</b>				43%			43%	100%					43%		100%	86%	43%	86%
	<b># of values between MDL and PQL</b>				1	4		3		1	2			4			1	4	
<b>P0637D</b>																			
	11/04/06	70.9	280	132	1.10	9.25	124	0.068	0.016	0.050	0.0370	0.0600	3.68	0.132	22.8	0.0008	0.0008	0.16	0.733
	03/23/07	83.9	280	161	0.800	6.50	125	0.050	0.050	0.016	0.0150	0.0600	3.91	0.158	22.3	0.0008	0.0008	0.16	0.016
	05/15/07	76.9	280	163	0.400	7.00	125	0.035			0.0099		3.91	0.157	22.3	0.0008	0.0008	0.16	0.016
	08/20/07	73.4	280	154	0.400	11.0	122	0.042			0.0095		3.68	0.143	22.1	0.0008	0.0008	0.16	0.082
	11/17/07	79.2	290	164	1.12	12.5	123	0.016			0.0170		3.66	0.161	22.1	0.0008	0.0008	0.16	0.049
	<b>Mean</b>	76.9	280	155	0.80	9.00	124	0.042	0.033	0.033	0.0180	0.0600	3.77	0.150	22.3	0.0008	0.0008	0.16	0.179
	<b>Median</b>	76.9	280	161	0.80	9.25	124	0.042	0.033	0.033	0.0150	0.0600	3.68	0.157	22.3	0.0008	0.0008	0.16	0.049
	<b>St. Deviation</b>	5.1	0	13	0.4	3	1	0.0194	0.024	0.024	0.011	0	0.13	0.012	0.3	0	0	0	0.311
	<b># of values</b>	5	5	5	5	5	5	5	2	2	5	2	5	5	5	5	5	5	5
	<b>Minimum</b>	70.9	280	132	0.40	6.50	122	0.016	0.016	0.016	0.0095	0.0600	3.66	0.132	22.1	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	83.9	290	164	1.12	12.5	125	0.068	0.050	0.050	0.0370	0.0600	3.91	0.161	22.8	0.0008	0.0008	0.16	0.733
	<b>% of values undetected</b>							40%	100%	50%						100%	100%	100%	40%
	<b># of values between MDL and PQL</b>				2	3		3		1	2	2							2
<b>P0637M</b>																			
	11/03/06	40.8	95.0	68.8	2.00	17.5	47.0	0.045	0.016	0.016	0.0420	0.0400	0.903	0.043	4.55	0.0008	0.0008	0.16	0.016
	03/23/07	41.6	90.0	71.2	0.075	26.0	50.0	0.050	0.050	0.016	0.0016	0.0800	0.943	0.066	3.91	0.0008	0.0008	0.16	0.016
	05/15/07	40.6	100	73.8	0.075	10.0	50.0	0.076			0.0110		0.933	0.064	3.72	0.0008	0.0008	0.16	0.016
	08/20/07	38.3	100	56.3	0.075	26.5	47.5	0.079			0.0087		0.746	0.045	3.30	0.0008	0.0008	0.16	0.071
	11/17/07	43.0	100	65.0	0.0765	31.0	48.3	0.036			0.0186		0.923	0.055	3.81	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	40.9	100	67.0	0.50	22.0	49.0	0.057	0.033	0.016	0.0160	0.0600	0.890	0.055	3.86	0.0008	0.0008	0.16	0.027
	<b>Median</b>	40.8	100	68.8	0.075	26.0	48.3	0.050	0.033	0.016	0.0110	0.0600	0.923	0.055	3.81	0.0008	0.0008	0.16	0.016
	<b>St. Deviation</b>	1.7	0	6.8	0.9	8	1	0.0193	0.024	0	0.016	0.028	0.082	0.011	0.45	0	0	0	0.025
	<b># of values</b>	5	5	5	5	5	5	5	2	2	5	2	5	5	5	5	5	5	5
	<b>Minimum</b>	38.3	90.0	56.3	0.075	10.0	47.0	0.036	0.016	0.016	0.0016	0.0400	0.746	0.043	3.30	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	43.0	100	73.8	2.0	31.0	50.0	0.079	0.050	0.016	0.0420	0.0800	0.943	0.066	4.55	0.0008	0.0008	0.16	0.071
	<b>% of values undetected</b>				80%			20%	100%	100%	20%					100%	100%	100%	80%
	<b># of values between MDL and PQL</b>							4			1	2		5					1

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW9D</b>																					
	09/06/04	12.5	3.90	0.0385	0.0385	0.327	0.375	0.596	0.497	0.0075	0.0075			5.00	5.00	0.0155	0.0155	4090	3900	0.305	0.307
	10/20/04	12.5	12.5	0.0385	0.0385	0.250	0.125	0.582	0.511	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	3730	3680	0.050	0.050
	03/17/05	3.94	0.84	0.0263	0.0254	0.301	0.299	0.301	0.298	0.0015	0.0015	0.0038	0.0038	1.84	1.66	0.0031	0.0031	4790	4320	1.16	0.404
	05/15/05	6.00	1.75	0.0265	0.0271	0.298	0.329	0.639	0.570	0.0015	0.0015	0.0038	0.0038	1.86	2.29	0.0031	0.0031	3940	4220	0.423	0.233
	08/21/05	3.36	1.00	0.0268	0.0248	0.250	0.250	0.264	0.273	0.0075	0.0075	0.0016	0.0016	12.7	5.00	0.0078	0.0078	4200	3940	0.623	0.303
	08/21/06	52.8	1.00	0.0390	0.0300	0.683	0.155	1.29	0.571	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4710	4670	1.61	0.625
	08/23/07	50.5	1.00	0.0216	0.0338	0.155	0.155	1.00	0.448	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	5140	5310	2.67	0.596
	<b>Mean</b>	20.2	3.0	0.0310	0.0312	0.323	0.241	0.670	0.453	0.0072	0.0072	0.13	0.13	3.60	2.57	0.010	0.010	4370	4290	0.98	0.36
	<b>Median</b>	12.5	1.0	0.0268	0.0300	0.298	0.25	0.596	0.497	0.0075	0.0075	0.0060	0.0060	1.84	1.66	0.0078	0.0078	4200	4220	0.62	0.307
	<b>St. Deviation</b>	21.8	4	0.0074	0.0059	0.168	0.098	0.37	0.122	0.0045	0.0045	0.304	0.304	4.2	1.7	0.0063	0.0063	510	550	0.92	0.203
	<b># of values</b>	7	7	7	7	7	7	7	7	7	7	6	6	7	7	7	7	7	7	7	7
	<b>Minimum</b>	3.36	0.84	0.0216	0.0248	0.155	0.125	0.264	0.273	0.0015	0.0015	0.0016	0.0016	1.25	1.25	0.0031	0.0031	3730	3680	0.050	0.050
	<b>Maximum</b>	52.8	12.5	0.0390	0.0385	0.683	0.375	1.29	0.571	0.0125	0.0125	0.750	0.750	12.7	5.00	0.0185	0.0185	5140	5310	2.67	0.625
	<b>% of values undetected</b>	29%	71%	29%	29%	43%	57%			100%	100%	117%	117%	57%	71%	100%	100%			14%	14%
	<b># of values between MDL and PQL</b>			2	2	1	1														
<b>P0637D</b>																					
	11/04/06	6.25	1.00	0.169	0.141	3.08	2.91	53.6	54.0	0.0404	0.0412	0.0075	0.0075	23.3	22.4	0.0185	0.0185	18500	18600	0.050	0.050
	03/23/07	5.57	1.00	0.116	0.114	3.25	3.10	64.7	63.8	0.0290	0.0344	0.0075	0.0075	21.5	19.7	0.0075	0.0075	20400	19700	0.050	0.050
	05/15/07	1.00	1.00	0.136	0.102	3.03	2.90	60.6	54.6	0.0338	0.0362	0.0250	0.0075	21.2	20.2	0.0075	0.0075	19500	18000	0.050	0.050
	08/20/07	4.30	1.00	0.0976	0.107	2.92	3.11	55.8	60.4	0.0350	0.0418	0.0075	0.0075	23.8	24.3	0.0075	0.0075	18800	20100	0.050	0.230
	11/17/07	5.02	1.00	0.104		3.12	3.02	60.1	60.4	0.0640	0.0374	0.0075	0.0075	25.0	22.3	0.0075	0.0075	20300	20400	0.247	0.100
	<b>Mean</b>	4.43	1.00	0.125	0.116	3.08	3.01	59.0	58.6	0.0400	0.0382	0.011	0.0075	23.0	21.8	0.010	0.010	19500	19400	0.090	0.10
	<b>Median</b>	5.02	1.00	0.116	0.111	3.08	3.02	60.1	60.4	0.0350	0.0374	0.0075	0.0075	23.3	22.3	0.0075	0.0075	19500	19700	0.050	0.050
	<b>St. Deviation</b>	2.05	0	0.029	0.017	0.12	0.1	4.3	4.2	0.014	0.0032	0.008	0	1.6	1.9	0.005	0.005	900	1000	0.09	0.08
	<b># of values</b>	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	<b>Minimum</b>	1.00	1.00	0.0976	0.102	2.92	2.90	53.6	54.0	0.0290	0.0344	0.0075	0.0075	21.2	19.7	0.0075	0.0075	18500	18000	0.050	0.050
	<b>Maximum</b>	6.25	1.00	0.169	0.141	3.25	3.11	64.7	63.8	0.0640	0.0418	0.025	0.0075	25.0	24.3	0.0185	0.0185	20400	20400	0.25	0.23
	<b>% of values undetected</b>	20%	100%									100%	100%			100%	100%			80%	80%
	<b># of values between MDL and PQL</b>									4	5										
<b>P0637M</b>																					
	11/03/06	152	1.00	0.162	0.183	0.155	0.155	14.8	11.9	0.0430	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	10400	9930	2.58	0.469
	03/23/07	10.1	1.00	0.200	0.199	0.155	0.155	13.5	13.1	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10300	10700	1.06	0.100
	05/15/07	2.64	3.33	0.175		0.155	0.155	13.2	13.8	0.0125	0.0125	0.0075	0.0250	1.25	1.25	0.0075	0.0186	10200	10600	0.875	0.598
	08/20/07	2.33	1.00	0.161	0.173	0.155	0.155	12.2	12.4	0.0125	0.0125	0.0075	0.0075	1.25	2.70	0.0075	0.0075	9690	10200	0.802	0.382
	11/17/07	2.83	1.00	0.162	0.162	0.155	0.155	12.6	12.9	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10700	10800	0.784	0.345
	<b>Mean</b>	34.0	1.50	0.172	0.179	0.155	0.155	13.3	12.8	0.0186	0.0125	0.0075	0.011	1.25	1.54	0.010	0.012	10300	10400	1.22	0.379
	<b>Median</b>	2.83	1.00	0.162	0.178	0.155	0.155	13.2	12.9	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	10300	10600	0.88	0.382
	<b>St. Deviation</b>	66	1	0.017	0.016	0	0	1	0.7	0.0136	0	0	0.008	0	0.65	0.005	0.006	400	400	0.77	0.184
	<b># of values</b>	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	<b>Minimum</b>	2.33	1.00	0.161	0.162	0.155	0.155	12.2	11.9	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9690	9930	0.78	0.100
	<b>Maximum</b>	152	3.33	0.200	0.199	0.155	0.155	14.8	13.8	0.0430	0.0125	0.0075	0.025	1.25	2.70	0.0185	0.0186	10700	10800	2.58	0.598
	<b>% of values undetected</b>		80%			100%	100%			80%	100%	100%	100%	100%	80%	100%	80%				20%
	<b># of values between MDL and PQL</b>									1					1		1				





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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>MW9D</b>													
	09/06/04	0.0031	0.0031	2460	2710	0.0125	0.0125	0.155	0.155	0.809	1.03	0.235	0.75
	10/20/04	0.0031	0.0031	2450	2350	0.0125	0.0125	0.155	0.155	0.932	0.816	0.235	0.235
	03/17/05	0.0014	0.0014	2850	2550	0.0021	0.0021	0.271	0.100	0.912	0.852	0.564	0.568
	05/15/05	0.0014	0.0014	2370	2460	0.0046	0.0056	0.100	0.070	0.900	0.857	0.50	0.50
	08/21/05	0.0031	0.0031	2870	2720	0.0031	0.0031	0.031	0.031	0.963	1.06	0.75	0.75
	08/21/06	0.0031	0.0031	2850	2920	0.0050	0.0050	0.050	0.050	0.989	0.801	3.96	1.35
	08/23/07	0.0031	0.0031	2940	3270	0.0050	0.0050	0.050	0.050	0.876	0.349	18.2	9.10
	<b>Mean</b>	0.0026	0.0026	2680	2710	0.0064	0.0065	0.12	0.090	0.912	0.820	3.5	1.9
	<b>Median</b>	0.0031	0.0031	2850	2710	0.0050	0.0050	0.10	0.070	0.912	0.852	0.56	0.75
	<b>St. Deviation</b>	0.0008	0.0008	240	310	0.0043	0.0042	0.08	0.05	0.059	0.23	6.6	3.2
	<b># of values</b>	7	7	7	7	7	7	7	7	7	7	7	7
	<b>Minimum</b>	0.0014	0.0014	2370	2350	0.0021	0.0021	0.031	0.031	0.809	0.349	0.235	0.235
	<b>Maximum</b>	0.0031	0.0031	2940	3270	0.0125	0.0125	0.271	0.155	0.989	1.06	18.2	9.1
	<b>% of values undetected</b>	100%	100%			86%	86%	86%	86%			57%	57%
	<b># of values between MDL and PQL</b>					1	1			1	2	1	1
<b>P0637D</b>													
	11/04/06	0.0114	0.0096	30800	32200	0.0050	0.0050	0.050	0.050	0.250	0.250	2.87	0.50
	03/23/07	0.0031	0.0031	37300	35400	0.0050	0.0050	0.050	0.050	0.155	0.155	2.91	2.94
	05/15/07	0.0031	0.0031	33400	31800	0.0050	0.0050	0.050	0.050	0.155	0.155	2.20	0.50
	08/20/07	0.0031	0.0150	31700	35300	0.0050	0.0050	0.050	0.050	0.155	0.155	1.04	
	11/17/07	0.0031	0.0031	32300	33300	0.0050	0.0050	0.050	0.050	0.155	0.155	1.16	0.50
	<b>Mean</b>	0.0050	0.0070	33100	33600	0.0050	0.0050	0.050	0.050	0.174	0.174	2.04	1.1
	<b>Median</b>	0.0031	0.0031	32300	33300	0.0050	0.0050	0.050	0.050	0.155	0.155	2.20	0.50
	<b>St. Deviation</b>	0.004	0.005	2500	1700	0	0	0	0	0.042	0.042	0.9	1.2
	<b># of values</b>	5	5	5	5	5	5	5	5	5	5	5	4
	<b>Minimum</b>	0.0031	0.0031	30800	31800	0.0050	0.0050	0.050	0.050	0.155	0.155	1.04	0.50
	<b>Maximum</b>	0.0114	0.0150	37300	35400	0.0050	0.0050	0.050	0.050	0.250	0.250	2.91	2.94
	<b>% of values undetected</b>	80%	60%			100%	100%	100%	100%	100%	100%		75%
	<b># of values between MDL and PQL</b>	1	2										
<b>P0637M</b>													
	11/03/06	0.0031	0.0031	4550	4370	0.0050	0.0050	0.050	0.050	0.250	0.250	3.26	3.44
	03/23/07	0.0031	0.0031	5120	5240	0.0050	0.0050	0.050	0.050	0.155	0.155	4.30	2.88
	05/15/07	0.0031	0.0031	4830	5370	0.0050	0.0050	0.050	0.050	0.155	0.155	1.84	
	08/20/07	0.0031	0.0031	4630	4840	0.0050	0.0050	0.050	0.050	0.155	0.155	8.50	4.44
	11/17/07	0.0031	0.0031	5150	4960	0.0050	0.0050	0.050	0.050	0.155	0.155	1.72	1.69
	<b>Mean</b>	0.0031	0.0031	4860	4960	0.0050	0.0050	0.050	0.050	0.174	0.174	3.92	3.11
	<b>Median</b>	0.0031	0.0031	4830	4960	0.0050	0.0050	0.050	0.050	0.155	0.155	3.26	3.16
	<b>St. Deviation</b>	0	0	270	390	0	0	0	0	0.042	0.042	2.77	1.15
	<b># of values</b>	5	5	5	5	5	5	5	5	5	5	5	4
	<b>Minimum</b>	0.0031	0.0031	4550	4370	0.0050	0.0050	0.050	0.050	0.155	0.155	1.72	1.69
	<b>Maximum</b>	0.0031	0.0031	5150	5370	0.0050	0.0050	0.050	0.050	0.250	0.250	8.50	4.44
	<b>% of values undetected</b>	100%	100%			100%	100%	100%	100%	100%	100%		
	<b># of values between MDL and PQL</b>												

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>P0637S</b>																			
	11/03/06	51.9	110	71.2	0.075	15.0	61.0	0.016	0.016	0.016	0.0340	0.0500	0.591	0.049	1.13	0.0008	0.0008	0.16	1.11
	03/23/07	53.4	110	82.5	0.150	20.5	63.0	0.050	0.050	0.041	0.0160	0.110	0.755	0.071	1.33	0.0008	0.0008	0.16	0.016
	05/15/07	50.5	120	76.3	0.075	10.5	62.0	0.050			0.0218		0.772	0.070	1.37	0.0008	0.0008	0.16	0.016
	08/20/07	51.6	120	76.3	0.075	22.8	60.5	0.069			0.0139		0.605	0.053	1.16	0.0008	0.0008	0.16	0.016
	11/17/07	54.4	115	72.5	0.200	22.0	61.5	0.050			0.0342		0.609	0.063	1.18	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	52.4	120	75.8	0.12	18.2	62.0	0.047	0.033	0.028	0.0240	0.0800	0.666	0.061	1.23	0.0008	0.0008	0.16	0.230
	<b>Median</b>	51.9	115	76.3	0.075	20.5	61.5	0.050	0.033	0.028	0.0218	0.0800	0.609	0.063	1.18	0.0008	0.0008	0.16	0.016
	<b>St. Deviation</b>	1.5	10	4.4	0.06	5.3	1	0.0192	0.024	0.018	0.0097	0.04	0.089	0.01	0.11	0	0	0	0.49
	<b># of values</b>	5	5	5	5	5	5	5	2	2	5	2	5	5	5	5	5	5	5
	<b>Minimum</b>	50.5	110	71.2	0.075	10.5	60.5	0.016	0.016	0.016	0.0139	0.0500	0.591	0.049	1.13	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	54.4	120	82.5	0.200	22.8	63.0	0.069	0.050	0.041	0.0342	0.110	0.772	0.071	1.37	0.0008	0.0008	0.16	1.11
	<b>% of values undetected</b>				80%			60%	100%	50%						100%	100%	100%	80%
	<b># of values between MDL and PQL</b>				1			2		1		1		5					
<b>P0638D</b>																			
	08/23/07	57.2	185	103	1.00	1.57	73.6	0.016			0.426		0.558	0.016	0.615	0.0008	0.0008	0.16	0.178
	<b>Mean</b>	57.2	185	103	1	1.57	73.6	0.016	NA	NA	0.426	NA	0.558	0.016	0.615	0.0008	0.0008	0.16	0.178
	<b>Median</b>	57.2	185	103	1	1.57	73.6	0.016	NA	NA	0.426	NA	0.558	0.0155	0.615	0.00075	0.00075	0.16	0.178
	<b>St. Deviation</b>	NA	NA	NA	NA	NA	NA	NA			NA		NA	NA	NA	NA	NA	NA	NA
	<b>Minimum</b>	57.2	185	103	1.00	1.57	73.6	0.016	NA	NA	0.426	NA	0.558	0.016	0.615	0.0008	0.0008	0.16	0.178
	<b>Maximum</b>	57.2	185	103	1.00	1.57	73.6	0.016	NA	NA	0.426	NA	0.558	0.016	0.615	0.0008	0.0008	0.16	0.178
	<b>% of values undetected</b>					100%		100%						100%		100%	100%	100%	
	<b># of values between MDL and PQL</b>																		
<b>P4S</b>																			
	11/08/05	46.4	140	92.5	2.0	11.5	25.0	0.110			0.0690		0.689	0.215	42.9	0.0013	0.0013	0.14	0.016
	03/09/06	43.0	125	77.5	0.150	8.50	88.0	0.109			0.0630		0.717	0.111	32.7	0.0013	0.0013	0.16	0.050
	05/20/06	92.3	230	190	0.200	15.8	37.0	0.016			0.0520		0.795	0.152	79.9	0.0013	0.0013	0.16	0.037
	08/19/06	52.6	160	129	0.200	13.0	30.0	0.016	0.016	0.016	0.0640	0.100	0.804	0.163	55.3	0.0008	0.0008	0.16	0.016
	10/26/06	90.3	210	165	0.300	13.3	28.5	0.067	0.016	0.067	0.0666	0.0900	0.810	0.201	83.4	0.0008	0.0008	0.16	0.050
	03/16/07	54.6	120	95.0	0.075	15.8	29.0	0.082	0.016	0.069	0.0520	0.0900	0.655	0.119	34.4	0.0008	0.0008	0.16	0.016
	05/13/07	96.1	235	144	0.800	16.5	41.0	0.235			0.0372		0.835	0.118	71.1	0.0008	0.0008	0.16	0.016
	08/18/07	43.2	125	75.0	0.300	19.5	27.5	0.089			0.0417		0.702	0.124	32.3	0.0008	0.0008	0.16	0.065
	11/09/07	59.2	120	126	0.400	12.5	27.8	0.063			0.0472		0.751	0.126	50.0	0.0015	0.0008	0.16	0.016
	<b>Mean</b>	64.2	160	122	0.50	14.0	37.0	0.087	0.016	0.051	0.0550	0.0900	0.751	0.148	53.6	0.0010	0.0009	0.15	0.031
	<b>Median</b>	54.6	140	126	0.30	13.3	29.0	0.082	0.016	0.067	0.0520	0.0900	0.751	0.126	50	0.0008	0.0008	0.16	0.016
	<b>St. Deviation</b>	22.2	50	40	0.6	3.2	20	0.065	0	0.03	0.011	0.01	0.063	0.038	20.2	0.0003	0.0003	0.005	0.0197
	<b># of values</b>	9	9	9	9	9	9	9	3	3	9	3	9	9	9	9	9	9	9
	<b>Minimum</b>	43.0	120	75.0	0.075	8.50	25.0	0.016	0.016	0.016	0.0372	0.0900	0.655	0.111	32.3	0.0008	0.0008	0.14	0.016
	<b>Maximum</b>	96.1	235	190	2.0	19.5	88.0	0.235	0.016	0.069	0.0690	0.100	0.835	0.215	83.4	0.0015	0.0013	0.16	0.065
	<b>% of values undetected</b>				22%			22%	100%	33%						89%	100%	89%	78%
	<b># of values between MDL and PQL</b>				6			4		2		2				1		1	2

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

Preliminary data. Do not cite or quote.

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>P0637S</b>																					
	11/03/06	7.67	1.00	0.0250	0.0250	0.155	0.155	5.12	4.46	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	15900	14600	1.23	0.274
	03/23/07	2.13	1.00	0.0508	0.0554	0.155	0.155	5.12	5.07	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	16000	16000	1.12	0.359
	05/15/07	8.79	1.00	0.0358	0.0392	0.155	0.155	5.02	5.03	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	15200	15800	1.31	0.729
	08/20/07	9.50	1.00	0.0400	0.0402	0.155	0.155	4.87	4.80	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	15700	15800	1.25	0.721
	11/17/07	35.3	1.00	0.0384	0.0344	0.155	0.155	5.25	4.95	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	16500	17100	2.22	0.796
	<b>Mean</b>	12.7	1.00	0.0380	0.0388	0.155	0.155	5.08	4.86	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.010	0.010	15900	15900	1.43	0.576
	<b>Median</b>	8.79	1.00	0.0384	0.0392	0.155	0.155	5.12	4.95	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	15900	15800	1.25	0.721
	<b>St. Deviation</b>	13	0	0.0092	0.011	0	0	0.14	0.25	0	0	0	0	0	0	0.005	0.005	500	900	0.45	0.24
	<b># of values</b>	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	<b>Minimum</b>	2.13	1.00	0.0250	0.0250	0.155	0.155	4.87	4.46	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	15200	14600	1.12	0.274
	<b>Maximum</b>	35.3	1.00	0.0508	0.0554	0.155	0.155	5.25	5.07	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	16500	17100	2.22	0.796
	<b>% of values undetected</b>		100%	20%	20%	100%	100%			100%	100%	100%	100%	100%	100%	100%	100%				
	<b># of values between MDL and PQL</b>			3	3																
<b>P0638D</b>																					
	08/23/07	32.2	2.70	0.299	0.294	48.3	49.0	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.591	0.166
	<b>Mean</b>	32.2	2.70	0.299	0.294	48.3	49.0	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.59	0.166
	<b>Median</b>	32.2	2.70	0.299	0.294	48.3	49.0	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.59	0.166
	<b>St. Deviation</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	<b>Minimum</b>	32.2	2.70	0.299	0.294	48.3	49.0	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.59	0.166
	<b>Maximum</b>	32.2	2.70	0.299	0.294	48.3	49.0	40.3	40.2	0.0125	0.0125	0.0075	0.0075	16.3	16.5	0.0075	0.0075	15600	15700	0.59	0.166
	<b>% of values undetected</b>									100%	100%	100%	100%			100%	100%				
	<b># of values between MDL and PQL</b>																				1
<b>P4S</b>																					
	11/08/05	106	4.30	0.0158	0.0104	0.605	0.250	12.9	13.1	0.0075	0.0075	0.0016	0.0016	4.50	1.55	0.0078	0.0078	12100	12400	3.08	1.03
	03/09/06	6.61	1.00	0.0298	0.0240	0.800	0.421	12.0	10.9	0.0120	0.0120	0.0250	0.0250	2.32	1.89	0.0125	0.0125	11100	11100	6.39	1.52
	05/20/06	12.8	3.36	0.0352	0.0404	0.155	0.315	23.9	26.6	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	24000	26100	1.02	0.620
	08/19/06	7.10	2.64	0.0268	0.0214	0.550	0.534	13.8	14.3	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	14000	14100	2.10	0.534
	10/26/06	14.6	5.18	0.0075	0.0075	0.155	0.155	22.2	22.0	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	24700	27400	1.67	0.386
	03/16/07	5.06	2.76	0.0250	0.0250	0.438	0.482	12.5	13.0	0.0250	0.0125	0.0075	0.0075	2.50	1.25	0.0075	0.0075	14600	13200	1.11	0.337
	05/13/07	13.8	1.00	0.0344	0.0346	0.155	0.155	25.3	25.2	0.0125	0.0125	0.0075	0.0075	1.25	2.58	0.0190	0.0152	25700	25300	1.16	0.489
	08/18/07	14.5	2.22	0.0240	0.0224	0.319	0.155	12.2	12.5	0.0125	0.0125	0.0075	0.0075	2.55	3.11	0.0075	0.0075	11200	12800	1.38	0.561
	11/09/07	9.44	1.00	0.0250	0.0075	0.155	0.155	15.9	16.7	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0214	16100	17200	1.49	0.619
	<b>Mean</b>	21.0	2.61	0.025	0.0215	0.370	0.291	16.7	17.1	0.013	0.012	0.0090	0.0090	2.0	1.7	0.012	0.014	17100	17700	2.16	0.680
	<b>Median</b>	12.8	2.64	0.025	0.0224	0.319	0.250	13.8	14.3	0.013	0.013	0.0075	0.0075	1.3	1.3	0.013	0.013	14600	14100	1.49	0.561
	<b>St. Deviation</b>	32	1.5	0.0087	0.0115	0.241	0.154	5.5	5.9	0.0047	0.0016	0.006	0.006	1.16	0.75	0.0051	0.0053	6000	6600	1.71	0.37
	<b># of values</b>	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	<b>Minimum</b>	5.06	1.00	0.0075	0.0075	0.155	0.155	12.0	10.9	0.0075	0.0075	0.0016	0.0016	0.75	0.75	0.0075	0.0075	11100	11100	1.02	0.337
	<b>Maximum</b>	106	5.18	0.0352	0.0404	0.800	0.534	25.3	26.6	0.025	0.0125	0.0250	0.0250	4.50	3.11	0.019	0.0214	25700	27400	6.39	1.52
	<b>% of values undetected</b>		33%	22%	33%	44%	56%			100%	100%	100%	100%	67%	67%	89%	78%				
	<b># of values between MDL and PQL</b>			6	5	2	3							3	3	1	2				

### 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>P0637S</b>																								
	11/03/06	0.133	0.110	0.381	0.194	28.5	<b>10.0</b>	0.120	<b>0.050</b>	2960	2610	4.10	0.574	<b>0.000475</b>	<b>0.000475</b>	0.142	0.119	1.03	0.825	527	451	<b>0.155</b>	<b>0.155</b>	7850
	03/23/07	0.0300	0.0288	0.309	0.193	<b>10.0</b>	<b>10.0</b>	0.139	<b>0.0155</b>	3270	3290	0.582	0.402	<b>0.000169</b>	<b>0.000475</b>	0.132	0.133	1.16	1.10	551	548	<b>0.155</b>	<b>0.155</b>	9660
	05/15/07	0.0370	0.0338	0.259	0.247	54.1	42.1	<b>0.050</b>	<b>0.0155</b>	3040	3170	1.26	0.397	<b>0.000169</b>	<b>0.000475</b>	0.132	0.117	1.03	1.01	534	536	<b>0.155</b>	<b>0.155</b>	10300
	08/20/07	0.0422	0.0344	0.291		21.4	<b>10.0</b>	<b>0.0155</b>	<b>0.050</b>	2990	3010	1.10	0.318	<b>0.000703</b>	<b>0.00180</b>	0.122	0.124	0.937	0.898	514	520	<b>0.155</b>	<b>0.155</b>	10400
	11/17/07	0.104	0.0274	0.351	0.268	70.0	28.0	<b>0.050</b>	<b>0.0155</b>	3220	3190	7.09	0.741	<b>0.00250</b>	<b>0.000475</b>	0.141	0.144	1.43	1.15	536	561	<b>0.155</b>	<b>0.155</b>	10100
	<b>Mean</b>	0.0690	0.0470	0.318	0.230	36.8	20.0	0.070	0.029	3100	3050	2.83	0.486	0.000800	0.000740	0.134	0.127	1.12	1.00	532	523	0.155	0.155	9700
	<b>Median</b>	0.0422	0.0338	0.309	0.22	28.5	10.0	0.050	0.016	3040	3170	1.26	0.402	0.000475	0.000475	0.132	0.124	1.03	1.01	534	536	0.155	0.155	10100
	<b>St. Deviation</b>	0.046	0.035	0.048	0.04	24.6	15	0.05	0.0189	140	270	2.75	0.17	0.00097	0.00059	0.008	0.011	0.19	0.14	14	43	0	0	1100
	<b># of values</b>	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	<b>Minimum</b>	0.0300	0.0274	0.259	0.193	10.0	10.0	0.0155	0.0155	2960	2610	0.582	0.318	0.000169	0.000475	0.122	0.117	0.937	0.825	514	451	0.155	0.155	7850
	<b>Maximum</b>	0.133	0.110	0.381	0.268	70.0	42.1	0.139	0.050	3270	3290	7.09	0.741	0.00250	0.00180	0.142	0.144	1.43	1.15	551	561	0.155	0.155	10400
	<b>% of values undetected</b>					20%	60%	60%	100%					80%	80%							100%	100%	
	<b># of values between MDL and PQL</b>													1	1									
<b>P0638D</b>																								
	08/23/07	0.0512	0.0438	0.404	0.274	263	244	0.232	<b>0.0155</b>	4400	4560	90.6	91.3	<b>0.000695</b>	<b>0.000475</b>	1.13	1.16	0.420	0.401	1140	1170	<b>0.155</b>	<b>0.155</b>	7210
	<b>Mean</b>	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155	4400	4560	90.6	91.3	0.000695	0.000475	1.13	1.16	0.420	0.401	1140	1170	0.155	0.155	7210
	<b>Median</b>	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155	4400	4560	90.6	91.3	0.000695	0.000475	1.13	1.16	0.42	0.401	1140	1170	0.155	0.155	7210
	<b>St. Deviation</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	<b>Minimum</b>	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155	4400	4560	90.6	91.3	0.000695	0.000475	1.13	1.16	0.420	0.401	1140	1170	0.155	0.155	7210
	<b>Maximum</b>	0.0512	0.0438	0.404	0.274	263	244	0.232	0.0155	4400	4560	90.6	91.3	0.000695	0.000475	1.13	1.16	0.420	0.401	1140	1170	0.155	0.155	7210
	<b>% of values undetected</b>								100%						100%							100%	100%	
	<b># of values between MDL and PQL</b>													1										
<b>P4S</b>																								
	11/08/05	0.271	0.215	0.748	0.472	161	<b>11.5</b>	0.114	0.149	3920	4050	4.05	1.67	<b>0.0310</b>	<b>0.0310</b>	0.368	0.416	4.05	3.70	1270	1290	<b>0.0775</b>	<b>0.0775</b>	10600
	03/09/06	0.0654	0.0564	0.539	0.367	41.7	25.5	0.0596	<b>0.0250</b>	3680	3970	1.28	1.21	<b>0.00250</b>	<b>0.00250</b>	0.449	0.328	5.36	4.49	1240	1240	<b>0.155</b>	<b>0.155</b>	9310
	05/20/06	0.0706	0.0776	0.729	0.718	21.4	<b>9.60</b>	<b>0.0378</b>	0.0612	7850	9050	1.96	1.97	<b>0.000475</b>	<b>0.00102</b>	0.163	0.189	5.30	5.69	1760	2000	<b>0.155</b>	<b>0.155</b>	10600
	08/19/06	0.0548	0.0548	0.593	0.507	<b>17.8</b>	<b>7.26</b>	0.132	0.192	4290	4400	1.23	1.13	<b>0.000475</b>	<b>0.000475</b>	0.252	0.243	3.40	3.33	1380	1390	<b>0.155</b>	<b>0.155</b>	9970
	10/26/06	0.0624	0.0550	2.35	1.99	31.4	<b>10.0</b>	<b>0.050</b>	<b>0.0155</b>	6940	7510	3.63		<b>0.000475</b>	<b>0.000475</b>	0.189	0.217	4.54	4.39	1590	1690	<b>0.155</b>	<b>0.155</b>	10700
	03/16/07	0.0364	0.0284	1.32	1.02	21.7	<b>10.0</b>	<b>0.050</b>		4400	4010	1.10	0.896	<b>0.000169</b>	<b>0.000475</b>	0.137	0.163	3.33	3.42	1380	1260	<b>0.155</b>	<b>0.155</b>	9230
	05/13/07	0.0552	0.0476	1.28	0.903	80.1	64.3	<b>0.0155</b>	<b>0.050</b>	7740	7650	2.27	2.08	<b>0.000169</b>	<b>0.000475</b>	0.153	0.150	5.23	5.06	1690	1670	<b>0.155</b>	<b>0.155</b>	10600
	08/18/07	0.0372	0.0308	1.02	1.08	22.0	<b>10.0</b>	<b>0.0155</b>	<b>0.0155</b>	3670	3900	1.08	1.03	<b>0.00250</b>	<b>0.000475</b>	0.174	0.173	3.08	3.45	1070	1250	<b>0.155</b>	<b>0.155</b>	10500
	11/09/07	0.0350	0.0308	0.892	0.719	51.3	42.9	<b>0.0155</b>	<b>0.0155</b>	4580	4760	1.28	1.17	<b>0.000169</b>	<b>0.000475</b>	0.173	0.177	3.57	3.61	1380	1410	<b>0.155</b>	<b>0.155</b>	10500
	<b>Mean</b>	0.0760	0.0660	1.05	0.860	50.0	21.2	0.054	0.07	5230	5480	1.99	1.39	0.00420	0.00420	0.229	0.228	4.21	4.13	1420	1470	0.146	0.146	10200
	<b>Median</b>	0.0552	0.0548	0.892	0.719	31.4	10.0	0.050	0.038	4400	4400	1.28	1.19	0.000475	0.000475	0.174	0.189	4.05	3.70	1380	1390	0.155	0.155	10500
	<b>St. Deviation</b>	0.074	0.058	0.56	0.49	46	19.8	0.043	0.068	1750	2010	1.13	0.45	0.0101	0.0101	0.109	0.089	0.92	0.83	220	260	0.026	0.026	600
	<b># of values</b>	9	9	9	9	9	9	9	8	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9
	<b>Minimum</b>	0.0350	0.0284	0.539	0.367	17.8	7.26	0.0155	0.0155	3670	3900	1.08	0.896	0.000169	0.000475	0.137	0.15	3.08	3.33	1070	1240	0.0775	0.0775	9230
	<b>Maximum</b>	0.271	0.215	2.35	1.99	161	64.3	0.132	0.192	7850	9050	4.05	2.08	0.0310	0.0310	0.449	0.416	5.36	5.69	1760	2000	0.155	0.155	10700
	<b>% of values undetected</b>						33%	56%	63%					100%	89%							100%	100%	
	<b># of values between MDL and PQL</b>					1	3	1							1									



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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>P0637S</b>													
	11/03/06	0.0031	0.0031	3720	3340	0.0050	0.0050	0.050	0.050	0.250	0.250	1.62	0.50
	03/23/07	0.0031	0.0031	4220	4180	0.0050	0.0050	0.050	0.050	0.155	0.155	2.81	1.36
	05/15/07	0.0031	0.0031	3780	4030	0.0050	0.0050	0.050	0.050	0.155	0.155	1.39	1.19
	08/20/07	0.0031	0.0031	3980	3940	0.0050	0.0050	0.050	0.050	0.155	0.155	3.00	2.76
	11/17/07	0.0031	0.0031	4070	4150	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	
	<b>Mean</b>	0.0031	0.0031	3950	3930	0.0050	0.0050	0.050	0.050	0.174	0.174	1.9	1.5
	<b>Median</b>	0.0031	0.0031	3980	4030	0.0050	0.0050	0.050	0.050	0.155	0.155	1.6	1.3
	<b>St. Deviation</b>	0	0	210	340	0	0	0	0	0.042	0.042	1.04	0.95
	<b># of values</b>	5	5	5	5	5	5	5	5	5	5	5	4
	<b>Minimum</b>	0.0031	0.0031	3720	3340	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	0.50
	<b>Maximum</b>	0.0031	0.0031	4220	4180	0.0050	0.0050	0.050	0.050	0.250	0.250	3.0	2.76
	<b>% of values undetected</b>	100%	100%			100%	100%	100%	100%	100%	100%	20%	25%
	<b># of values between MDL and PQL</b>												
<b>P0638D</b>													
	08/23/07	0.0031	0.0031	20000	20800	0.0050	0.0050	0.050	0.050	0.155	0.155	2.36	1.82
	<b>Mean</b>	0.0031	0.0031	20000	20800	0.0050	0.0050	0.050	0.050	0.155	0.155	2.36	1.82
	<b>Median</b>	0.0031	0.0031	20000	20800	0.005	0.005	0.05	0.05	0.155	0.155	2.36	1.82
	<b>St. Deviation</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	<b>Minimum</b>	0.0031	0.0031	20000	20800	0.0050	0.0050	0.050	0.050	0.155	0.155	2.36	1.82
	<b>Maximum</b>	0.0031	0.0031	20000	20800	0.0050	0.0050	0.050	0.050	0.155	0.155	2.36	1.82
	<b>% of values undetected</b>	100%	100%			100%	100%	100%	100%	100%	100%		
	<b># of values between MDL and PQL</b>												
<b>P4S</b>													
	11/08/05	0.0031	0.0031	6570	6590	0.0031	0.0031	0.031	0.031	1.64	1.18	2.88	2.84
	03/09/06	0.0031	0.0031	5430	5430	0.0054	0.0025	0.0155	0.0155	1.21	1.03	3.25	3.45
	05/20/06	0.0031	0.0031	6490	7530	0.0025	0.0025	0.0155	0.0155	1.42	1.38	2.66	3.25
	08/19/06	0.0031	0.0031	5270	5260	0.0126	0.0150	0.050	0.050	1.76	1.51	2.32	
	10/26/06	0.0031	0.0031	6550	6780	0.0050	0.0050	0.050	0.050	0.549	0.773	1.98	2.31
	03/16/07	0.0031	0.0031	4620	4230	0.0050	0.0050	0.050	0.050	1.27	0.990	3.03	2.90
	05/13/07	0.0031	0.0031	5830	5760	0.0050	0.0050	0.050	0.050	0.714	0.718	2.68	2.50
	08/18/07	0.0031	0.0031	3940	4260	0.0050	0.0050	0.050	0.050	1.09	0.751	1.65	2.42
	11/09/07	0.0031	0.0031	4380	4500	0.0050	0.0050	0.050	0.050	1.05	0.976	2.49	2.92
	<b>Mean</b>	0.0031	0.0031	5450	5590	0.0050	0.0050	0.040	0.040	1.19	1.03	2.55	2.82
	<b>Median</b>	0.0031	0.0031	5430	5430	0.0050	0.0050	0.050	0.050	1.21	0.99	2.66	2.87
	<b>St. Deviation</b>	0	0	990	1180	0.003	0.004	0.015	0.015	0.4	0.28	0.51	0.4
	<b># of values</b>	9	9	9	9	9	9	9	9	9	9	9	8
	<b>Minimum</b>	0.0031	0.0031	3940	4230	0.0025	0.0025	0.0155	0.0155	0.549	0.718	1.65	2.31
	<b>Maximum</b>	0.0031	0.0031	6570	7530	0.0126	0.015	0.050	0.050	1.76	1.51	3.25	3.45
	<b>% of values undetected</b>	100%	100%			78%	89%	100%	100%				
	<b># of values between MDL and PQL</b>					2	1			2	5		

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Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>PQ4</b>																			
	11/09/05	28.0	100	104	19.1	17.1	25.0	0.050			0.560		0.883	0.067	38.8	0.0025	0.0013	0.36	0.016
	03/09/06	24.0	105	80.0	1.22	19.5	1.55	0.144			0.143		0.888	0.084	50.4	0.0013	0.0013	0.16	0.050
	05/19/06	24.2	100	60.0	0.075	12.5	1.55	0.034			0.118		0.813	0.154	41.3	0.0013	0.0025	0.16	0.050
	08/18/06	22.3	900	106	0.300	23.5	1.55	0.016	0.050	0.016	0.129	0.180	0.837	0.114	43.1	0.0008	0.0008	0.16	0.016
	10/28/06	21.4	90.0	82.5	0.075	25.0	1.55	0.016	0.016	0.016	0.149	0.170	0.686	0.065	35.6	0.0008	0.0008	0.16	0.016
	03/16/07	24.9	80.0	82.5	0.200	27.0	1.55	0.044	0.016	0.036	0.137	0.180	0.716	0.064	34.7	0.0008	0.0008	0.16	0.016
	05/12/07	7.43	27.0	23.8	0.200	6.00	7.00	0.371			0.0065		0.946	0.034	2.76	0.0008	0.0008	0.16	0.016
	08/18/07	21.2	95.0	72.5	0.400	41.5	1.55	0.016			0.135		0.682	0.062	35.1	0.0008	0.0008	0.16	0.064
	11/17/07	25.5	95.0	80.0	0.094	19.8	1.55	0.016			0.135		0.714	0.072	36.0	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	22.1	180	77.0	2.0	21.3	4.80	0.078	0.027	0.022	0.168	0.180	0.796	0.080	35.3	0.0011	0.0011	0.18	0.029
	<b>Median</b>	24.0	95.0	80.0	0.20	19.8	1.55	0.034	0.016	0.016	0.135	0.180	0.813	0.067	36.0	0.0008	0.0008	0.16	0.016
	<b>St. Deviation</b>	5.9	270	24	6	10	7.8	0.117	0.020	0.012	0.153	0.01	0.099	0.04	13.2	0.0006	0.0006	0.068	0.02
	<b># of values</b>	9	9	9	9	9	9	9	3	3	9	3	9	9	9	9	9	9	9
	<b>Minimum</b>	7.43	27.0	23.8	0.075	6.00	1.55	0.016	0.016	0.016	0.0065	0.170	0.682	0.034	2.76	0.0008	0.0008	0.16	0.016
	<b>Maximum</b>	28.0	900	106	19.1	41.5	25.0	0.371	0.050	0.036	0.560	0.180	0.946	0.154	50.4	0.0025	0.0025	0.36	0.064
	<b>% of values undetected</b>				33%		78%	56%	100%	67%						100%	100%	89%	89%
	<b># of values between MDL and PQL</b>				4	1	1	2		1	1			7				1	1
<b>SRK2</b>																			
	03/23/05	103	300	199	14.0	0.79	150	0.016			0.123		0.885	0.091	20.6	0.0013	0.0013	0.21	0.016
	05/15/05	120	310	212	0.90	2.38	153	0.060			0.0470		0.814	0.081	17.5	0.0013	0.0013	0.07	0.016
	08/19/05	123	305	186	7.8	2.00	154	0.043			0.0160		0.827	0.071	19.8	0.0013	0.0013	0.30	0.016
	11/07/05	92.6	305	154	7.8	3.75	150	0.050			0.0170		0.817	0.093	18.3	0.0013	0.0013	0.14	0.016
	03/09/06	122	310	135	18.1	1.57	158	0.016			0.0300		0.859	0.075	19.2	0.0013	0.0013	0.16	0.050
	05/20/06	109	290	163	5.70	0.79	156	0.128			0.0100		0.821	0.089	17.6	0.0013	0.0013	0.16	0.042
	08/19/06	121	300	189	4.90	3.75	154	0.016	0.016	0.016	0.0098	0.0700	0.824	0.090	17.9	0.0008	0.0008	0.16	0.016
	10/26/06	119	280	178	41.0	1.57	164	0.016	0.016	0.016	0.0330	0.0400	0.850	0.097	17.7	0.0008	0.0008	0.16	0.050
	03/16/07	122	280	173	4.00	1.57	154	0.040	0.016	0.016	0.0130	0.0800	0.704	0.070	16.6	0.0008	0.0008	0.16	0.016
	05/15/07	112	315	173	2.80	1.57	156	0.050			0.0077		0.853	0.091	16.7	0.0008	0.0008	0.16	0.039
	08/19/07	111	305	179	2.50	5.25	151	0.016			0.0084		0.703	0.081	16.4	0.0008	0.0008	0.16	0.091
	11/09/07	123	310	163	1.44	1.57	156	0.016			0.0170		0.740	0.086	16.6	0.0015	0.0008	0.16	0.154
	<b>Mean</b>	115	300	175	9.0	2.21	155	0.039	0.016	0.016	0.030	0.0630	0.808	0.085	17.9	0.0011	0.0010	0.16	0.043
	<b>Median</b>	120	310	176	5.0	1.57	154	0.028	0.016	0.016	0.020	0.0700	0.823	0.088	17.7	0.0013	0.0010	0.16	0.027
	<b>St. Deviation</b>	10	10	20	11	1.35	4	0.033	0	0	0.03	0.021	0.06	0.009	1.4	0.00028	0.00026	0.052	0.042
	<b># of values</b>	12	12	12	12	12	12	12	3	3	12	3	12	12	12	12	12	12	12
	<b>Minimum</b>	92.6	280	135	0.90	0.79	150	0.016	0.016	0.016	0.0077	0.0400	0.703	0.07	16.4	0.0008	0.0008	0.07	0.016
	<b>Maximum</b>	123	315	212	41	5.25	164	0.128	0.016	0.016	0.123	0.0800	0.885	0.097	20.6	0.0015	0.0013	0.30	0.154
	<b>% of values undetected</b>					58%		58%	100%	100%						92%	100%	67%	67%
	<b># of values between MDL and PQL</b>					5		4			5	3		12		1		4	3

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Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>PQ4</b>																					
	11/09/05	1370	92.5	0.268	0.244	10.6	9.89	7.19	6.17	0.0878	0.0610	0.0016	0.0016	3.80	1.55	0.113		7650	7300	1.16	0.442
	03/09/06	199	152	0.328	0.275	10.8	9.15	3.56	3.20	0.0620	0.0380	0.0250	0.0250	3.58	1.53	0.329	0.308	6730	6060	0.889	0.660
	05/19/06	197	219	0.246		7.91	8.80	2.73		0.0274	0.0502	0.0075	0.0075	0.75	0.75	0.251	0.256	6810	6140	0.587	0.050
	08/18/06	180	186	0.218	0.259	7.42	8.83	2.37	2.60	0.0430	0.0348	0.0075	0.0075	1.25	1.25	0.234	0.272	6180	6920	0.885	0.306
	10/28/06	156	151	0.254	0.255	7.43	7.75	2.40	2.52	0.0125	0.0358	0.0152	0.0075	1.25	1.25	0.214	0.231	6010	6140	0.050	0.050
	03/16/07	241	216	0.368	0.254	7.65	7.33	2.52	2.38	0.0250	0.0250	0.0150	0.0150	2.50	2.50	0.274	0.246	6870	6900	2.25	0.677
	05/12/07	11.5	4.48	0.0075	0.0152	0.155	0.155	4.94	5.15	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	2250	2500	3.65	0.568
	08/18/07	215	216	0.222	0.239	6.93	7.59	2.12	2.21	0.0456	0.0462	0.0075	0.0075	1.25	1.25	0.228	0.254	5760	6590	0.832	0.526
	11/17/07	229	216	0.256	0.230	7.49	7.08	2.29	2.14	0.0424	0.0444	0.0075	0.0075	1.25	1.25	0.256	0.247	7030	6660	0.869	0.496
	<b>Mean</b>	310	161	0.241	0.221	7.40	7.40	3.35	3.30	0.0398	0.0387	0.010	0.010	1.9	1.4	0.212	0.228	6140	6130	1.24	0.42
	<b>Median</b>	199	186	0.254	0.249	7.49	7.75	2.52	2.56	0.0424	0.0380	0.0075	0.0075	1.3	1.3	0.234	0.251	6730	6590	0.89	0.50
	<b>St. Deviation</b>	400	73	0.1	0.084	3.1	2.87	1.69	1.52	0.0243	0.0142	0.007	0.007	1.13	0.47	0.096	0.092	1570	1430	1.07	0.237
	<b># of values</b>	9	9	9	8	9	9	9	8	9	9	9	9	9	9	8	9	9	9	9	9
	<b>Minimum</b>	11.5	4.48	0.0075	0.0152	0.155	0.155	2.12	2.14	0.0125	0.0125	0.0016	0.0016	0.75	0.75	0.0075	0.0075	2250	2500	0.050	0.050
	<b>Maximum</b>	1370	219	0.368	0.275	10.8	9.89	7.19	6.17	0.0878	0.0610	0.0250	0.0250	3.80	2.50	0.329	0.308	7650	7300	3.65	0.677
	<b>% of values undetected</b>			11%		11%	11%			33%	22%	89%	100%	78%	89%	11%	13%			11%	22%
	<b># of values between MDL and PQL</b>				1					4	4	1		2	1						
<b>SRK2</b>																					
	03/23/05	556	534	0.0226	0.0231	1.91	1.94	87.3	91.4	0.0184	0.0203	0.0038	0.0038	34.6	35.4	0.0031	0.0067	25400	24400	3.49	2.65
	05/15/05	139	2.78	0.0450	0.0312	1.72	1.71	95.6	98.7	0.0063	0.0015	0.0038	0.0038	34.8	37.0	0.0031	0.0031	28300	21300	3.67	0.694
	08/19/05	658	4.69	0.154	0.0772	2.21	1.84	112	93.6	0.0300	0.0075	0.0124	0.0016	33.1	32.3	0.0078	0.0078	29100	23900	8.45	0.742
	11/07/05	322	3.12	0.0394	0.0368	1.51	1.66	86.2	102	0.0075	0.0075	0.0016	0.0016	28.7	31.6	0.0078	0.0078	21100	24400	10.0	1.64
	03/09/06	658	4.27	0.0476	0.0570	1.63	1.31	109	103	0.0120	0.0120	0.0250	0.0250	31.8	29.9	0.0125	0.0125	27600	27800	11.1	1.58
	05/20/06	139	3.43	0.0736	0.0256	1.34	1.60	98.1	108	0.0120	0.0120	0.0075	0.0075	31.1	30.6	0.0125	0.0125	23700	26300	5.47	1.89
	08/19/06	94.4	3.33	0.0188	0.0160	1.88	1.98	109	106	0.0280	0.0125	0.0075	0.0075	32.0	30.4	0.0185	0.0185	27800	27200	3.05	1.23
	10/26/06	547	3.52	0.0250	0.0075	1.66	1.09	108	96.7	0.0125	0.0125	0.0075	0.0075	30.8	31.6	0.0185	0.0185	29100	28500	5.93	2.95
	03/16/07	150	5.82	0.0150	0.0150	1.49	1.50	111	105	0.0250	0.0250	0.0150	0.0150	29.2	28.0	0.0150	0.0150	28200	25800	10.7	1.68
	05/15/07	102	2.71	0.0462	0.0256	1.42	1.45	108	108	0.0125	0.0125	0.0075	0.0075	29.3	29.5	0.0075	0.0075	26500	26700	5.45	0.971
	08/19/07	240	3.08	0.0252	0.0238	1.45	1.67	104	111	0.0125	0.0125	0.0075	0.0075	33.3	36.0	0.0075	0.0075	26300	28500	1.55	0.507
	11/09/07	66.6	2.95	0.0274	0.0075	1.61	1.46	113	109	0.0125	0.0125	0.0075	0.0075	32.3	31.0	0.0075	0.0075	28400	27900	1.66	0.557
	<b>Mean</b>	306	48.0	0.0450	0.0289	1.65	1.60	103	103	\$0.016	\$0.012	0.0090	0.0080	31.8	31.9	0.010	0.010	26800	26100	5.90	1.42
	<b>Median</b>	195	3.00	0.0330	0.0247	1.62	1.63	108	104	\$0.013	\$0.013	0.0080	0.0080	31.9	31.3	0.0078	0.0078	27700	26500	5.50	1.41
	<b>St. Deviation</b>	233	153	0.038	0.0203	0.25	0.26	9	6	0.0078	0.0059	0.006	0.006	2	2.8	0.0053	0.0049	2400	2200	3.4	0.8
	<b># of values</b>	12	12.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	<b>Minimum</b>	66.6	2.71	0.0150	0.0075	1.34	1.09	86.2	91.4	0.0063	0.0015	0.0016	0.0016	28.7	28.0	0.0031	0.0031	21100	21300	1.55	0.507
	<b>Maximum</b>	658	534	0.154	0.0772	2.21	1.98	113	111	0.0300	0.0250	0.0250	0.0250	34.8	37.0	0.0185	0.0185	29100	28500	11.1	2.95
	<b>% of values undetected</b>			17%	25%					67%	92%	92%	100%			100%	92%				
	<b># of values between MDL and PQL</b>			5	4					2							1				

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>PQ4</b>																								
	11/09/05	3.81	3.54	569	476	1670	1370	0.941	0.218	2150	1790	66.2	63.1	0.0310	0.0310	9.98	9.24	2.89	2.40	1220	1140	0.84	1.30	12600
	03/09/06	3.34	3.09	962	898	943	799	0.958		1760	1770	51.7	46.2	0.00250	0.00250	10.8	9.13	2.32	2.19	1110	1040	1.45	1.31	9970
	05/19/06	3.28	3.13	1030	943	797	739	0.205	0.161	1750	1640	48.1	47.5	0.000475	0.000475	9.36	8.76	2.19	2.28	1020	993	1.21	1.14	10800
	08/18/06	3.08	3.45	1010	1090	699	762	0.174	0.187	1660	1870	49.7	55.1	0.000475	0.000475	8.87	9.85	2.07	2.35	979	1110	0.838	1.11	11300
	10/28/06	3.40	3.50	1030	1040	718	756	0.115	0.123	1550	1500	51.6	54.6	0.000475	0.000475	8.78	9.28	2.19	2.32	955	978	0.972	1.07	11200
	03/16/07	3.50	3.19	1180	1060	750	674	0.100	0.100	1890	1920	51.5	47.1	0.000169	0.000475	9.87	9.23	2.49	2.24	1070	1060	1.37	1.25	11400
	05/12/07	0.0308	0.0262	0.416	0.317	24.2	10.0	0.050	0.050	439	486	0.941	0.908	0.000169	0.000475	0.329	0.357	1.93	1.31	212	239	0.155	0.155	4640
	08/18/07	3.10	3.62	1110	1210	564	667	0.152	0.173	1670	1810	45.1	53.0	0.0025	0.000475	9.57	10.4	2.20		903	1040	1.04	1.12	11800
	11/17/07	3.53	3.37	1050	1100	676	637	0.050	0.050	1920	1920	53.8	49.9	0.000169	0.000475	10.4	9.85	2.42	2.43	1120	1060	1.27	1.20	12100
	<b>Mean</b>	3.01	2.99	880	870	760	710	0.31	0.13	1640	1630	46.5	46.4	0.00420	0.00410	8.70	8.50	2.30	2.19	950	960	1.02	1.07	10600
	<b>Median</b>	3.34	3.37	1030	1040	718	739	0.152	0.14	1750	1790	51.5	49.9	0.000475	0.000475	9.57	9.24	2.20	2.3	1020	1040	1.04	1.14	11300
	<b>St. Deviation</b>	1.14	1.13	370	390	430	340	0.369	0.06	480	450	18.1	17.8	0.0101	0.0101	3.2	3.1	0.28	0.36	290	280	0.39	0.35	2400
	<b># of values</b>	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	9	9	8	9	9	9	9	9
	<b>Minimum</b>	0.0308	0.0262	0.416	0.317	24.2	10.0	0.05	0.05	439	486	0.941	0.908	0.000169	0.000475	0.329	0.357	1.93	1.31	212	239	0.155	0.155	4640
	<b>Maximum</b>	3.81	3.62	1180	1210	1670	1370	0.958	0.218	2150	1920	66.2	63.1	0.0310	0.0310	10.8	10.4	2.89	2.43	1220	1140	1.45	1.31	12600
	<b>% of values undetected</b>						11%	33%	38%					100%	100%							11%	11%	
	<b># of values between MDL and PQL</b>																					3	1	
<b>SRK2</b>																								
	03/23/05	0.548	0.495	0.572	0.524	594	600	0.297	0.253	9640	11100	86.0	93.5	0.0315	0.0315	1.62	1.60	1.82	1.71	1440	1390	0.0143	0.0143	6210
	05/15/05	0.299	0.211	0.557	0.0645	194	25.9	0.168	0.011	11900	10700	82.2	80.1	0.0315	0.0315	1.67	1.93	2.75	0.599	1610	1270	0.0143	0.0143	5280
	08/19/05	0.826	0.288	1.00	0.298	1320	45.5	0.490	0.0994	12200	11100	109	75.8	0.0310	0.0310	1.85	1.75	6.00	2.00	1730	1450	0.0775	0.0775	5450
	11/07/05	0.467	0.236	0.758	0.239	536	59.2	0.519	0.050	9510	11000	71.5	74.3	0.0310	0.0310	1.52	1.81	6.06	1.96	1260	1540	0.0775	0.0775	5940
	03/09/06	0.572	0.240	1.26	0.201	717	63.1	0.633	0.0130	12800	13200	81.9	74.9	0.00250	0.00250	1.81	1.73	6.80	1.48	1430	1520	0.155	0.155	5090
	05/20/06	0.323	0.227	0.541	0.503	249	55.2	1.19	0.101	12000	12300	73.7	74.0	0.000475	0.000475	1.55		4.06	1.71	1570	1640	0.155	0.155	5000
	08/19/06	0.421	0.226	0.749	0.315	421	46.9	0.399	0.198	12700	12400	93.1	73.2	0.000475	0.000475	1.61	1.76	2.75	1.62	1510	1490	0.155	0.155	5290
	10/26/06	0.564	0.213	0.780	0.355	799	85.0	0.378	0.0155	11200	11400	93.1	72.9	0.000475	0.00189	1.78	1.94	3.80	2.28	1530	1490	0.155	0.155	5200
	03/16/07	0.461	0.183	0.763	0.100	473	60.1	0.289	0.0310	12500	11700	86.4	70.5	0.000169	0.000475	1.67	1.82	5.01	1.58	1530	1470	0.310	0.310	5190
	05/15/07	0.299	0.204	0.597	0.380	219	116	0.159	0.0155	11200	11700	83.2	78.7	0.000463	0.000475	1.83	1.92	3.78	1.56	1500	1530	0.155	0.155	5410
	08/19/07	0.377	0.203	0.648	0.283	468	54.9	0.150	0.0155	10900	11800	87.1	80.9	0.00250	0.000475	1.78	2.05	1.86	1.31	1450	1550	0.155	0.155	5980
	11/09/07	0.218	0.170	0.530	0.429	153	87.7	0.109	0.0155	12600	12500	80.8	76.1	0.000169	0.000475	1.97	1.94	1.69	1.10	1680	1630	0.155	0.155	6060
	<b>Mean</b>	0.448	0.241	0.730	0.308	510	108	0.400	0.068	11600	11700	86.0	77.1	0.0110	0.0110	1.72	1.84	3.87	1.58	1520	1500	0.132	0.132	5510
	<b>Median</b>	0.441	0.220	0.700	0.307	470	60.0	0.340	0.023	12000	11700	85.0	75.4	0.00150	0.00120	1.73	1.82	3.79	1.6	1520	1510	0.155	0.155	5350
	<b>St. Deviation</b>	0.165	0.085	0.22	0.143	330	157	0.3	0.081	1100	700	10	6	0.015	0.015	0.14	0.13	1.78	0.44	120	100	0.079	0.079	420
	<b># of values</b>	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	12	12	12	12	12	12	12
	<b>Minimum</b>	0.218	0.170	0.53	0.0645	153	25.9	0.109	0.011	9510	10700	71.5	70.5	0.000169	0.000475	1.52	1.60	1.69	0.599	1260	1270	0.0143	0.0143	5000
	<b>Maximum</b>	0.826	0.495	1.26	0.524	1320	600	1.19	0.253	12800	13200	109	93.5	0.0315	0.0315	1.97	2.05	6.80	2.28	1730	1640	0.310	0.310	6210
	<b>% of values undetected</b>				8%				67%					92%	92%							100%	100%	
	<b># of values between MDL and PQL</b>								1					1	1									

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>PQ4</b>													
	11/09/05	0.0672	<b>0.0031</b>	6090	5650	<b>0.0031</b>	0.0260	<b>0.100</b>	<b>0.031</b>	1.73	0.814	40.8	38.4
	03/09/06	<b>0.0100</b>	<b>0.0031</b>	5020	5050	0.0828	0.0718	<b>0.0982</b>	<b>0.0155</b>	<b>0.250</b>	<b>0.110</b>	38.2	34.0
	05/19/06	<b>0.0031</b>	<b>0.0031</b>	4890	4520	0.0604	0.0642	<b>0.0672</b>	<b>0.0400</b>	0.590	0.630	36.7	36.7
	08/18/06	<b>0.0031</b>	<b>0.0031</b>	4500	5080	0.0364	0.0332	<b>0.050</b>	<b>0.050</b>	<b>0.552</b>	<b>0.780</b>	34.7	
	10/28/06	0.0242	<b>0.0146</b>	4160	4080	0.0578	0.0496	<b>0.050</b>	<b>0.050</b>	<b>0.851</b>	1.04	35.7	36.6
	03/16/07	0.704	<b>0.0062</b>	4900	4980	0.0666	0.0566	<b>0.100</b>	<b>0.100</b>	<b>0.310</b>	<b>0.310</b>	39.2	40.0
	05/12/07	<b>0.0031</b>	<b>0.0031</b>	1670	1870	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.155</b>	<b>0.155</b>	<b>0.50</b>	<b>0.50</b>
	08/18/07	<b>0.0031</b>	<b>0.0031</b>	4500	5010	0.0474	0.0624	<b>0.050</b>	<b>0.050</b>	<b>0.625</b>	<b>0.155</b>	35.3	41.7
	11/17/07	<b>0.0031</b>	<b>0.0031</b>	5370	5250	0.0616	0.0570	<b>0.050</b>	<b>0.050</b>	<b>0.502</b>	<b>0.437</b>	40.0	37.7
	<b>Mean</b>	0.09	0.005	4570	4610	0.047	0.047	0.070	0.050	0.620	0.490	34	33
	<b>Median</b>	0.0031	0.0031	4890	5010	0.058	0.057	0.050	0.050	0.552	0.437	37	37
	<b>St. Deviation</b>	0.23	0.004	1220	1120	0.0273	0.0216	0.02	0.02	0.47	0.34	12.5	13.4
	<b># of values</b>	9	9	9	9	9	9	9	9	9	9	9	8
	<b>Minimum</b>	0.0031	0.0031	1670	1870	0.0031	0.0050	0.050	0.0155	0.155	0.110	0.50	0.50
	<b>Maximum</b>	0.704	0.0146	6090	5650	0.0828	0.0718	0.100	0.100	1.73	1.04	40.8	41.7
	<b>% of values undetected</b>	56%	89%			22%	11%	78%	89%	33%	44%	11%	13%
	<b># of values between MDL and PQL</b>	1	1					2	1	4	2		
<b>SRK2</b>													
	03/23/05	<b>0.0063</b>	<b>0.0069</b>	25700	23900	<b>0.0021</b>	<b>0.0043</b>	0.213	<b>0.0302</b>	1.14	0.969	6.60	4.21
	05/15/05	<b>0.0014</b>	<b>0.0014</b>	26200	22100	<b>0.0021</b>	<b>0.0021</b>	<b>0.190</b>	<b>0.0302</b>	0.285	<b>0.0047</b>	3.61	3.56
	08/19/05	<b>0.0031</b>	<b>0.0031</b>	28300	26600	<b>0.0031</b>	<b>0.0031</b>	<b>0.0638</b>	<b>0.031</b>	1.53	<b>0.100</b>	5.39	3.7
	11/07/05	<b>0.0031</b>	<b>0.0031</b>	22000	25700	<b>0.0031</b>	<b>0.0031</b>	<b>0.031</b>	<b>0.031</b>	0.501	<b>0.100</b>	3.04	2.71
	03/09/06	<b>0.0031</b>	<b>0.0031</b>	30300	32200	0.0176	<b>0.0025</b>	<b>0.0598</b>	<b>0.0155</b>	1.36	<b>0.110</b>	4.83	3.82
	05/20/06	<b>0.0031</b>	<b>0.0031</b>	30900	32100	<b>0.0025</b>	0.0116	<b>0.0155</b>	<b>0.0155</b>	<b>0.250</b>	<b>0.110</b>	2.58	2.72
	08/19/06	<b>0.0031</b>	<b>0.0031</b>	30300	29400	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.250</b>	<b>0.250</b>	4.76	4.10
	10/26/06	0.0384	<b>0.0031</b>	26000	27200	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.997</b>	<b>0.250</b>	1.97	<b>0.155</b>
	03/16/07	<b>0.0062</b>	<b>0.0062</b>	29500	<b>31.0</b>	<b>0.0100</b>	<b>0.0100</b>	<b>0.100</b>	<b>0.100</b>	<b>0.310</b>	<b>0.310</b>	4.68	<b>1.00</b>
	05/15/07	<b>0.0031</b>	<b>0.0031</b>	28500	29600	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.155</b>	<b>0.155</b>	<b>0.50</b>	<b>0.50</b>
	08/19/07	<b>0.0031</b>	<b>0.0031</b>	27600	30500	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.155</b>	<b>0.155</b>	2.85	1.40
	11/09/07	<b>0.0031</b>	<b>0.0031</b>	27400	25000	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.155</b>	<b>0.155</b>	1.09	1.64
	<b>Mean</b>	0.0060	0.0035	27700	25400	0.0050	0.0050	0.080	0.040	0.590	0.220	3.5	2.5
	<b>Median</b>	0.0030	0.0031	28000	26900	0.0050	0.0050	0.050	0.040	0.300	0.160	3.3	2.7
	<b>St. Deviation</b>	0.01	0.0015	2500	8600	0.004	0.003	0.06	0.02	0.52	0.25	1.82	1.46
	<b># of values</b>	12	12	12	12	12	12	12	12	12	12	12	12
	<b>Minimum</b>	0.0014	0.0014	22000	31	0.0021	0.0021	0.0155	0.0155	0.155	0.0047	0.50	0.155
	<b>Maximum</b>	0.0384	0.00686	30900	32200	0.0176	0.0116	0.213	0.100	1.53	0.969	6.6	4.21
	<b>% of values undetected</b>	83%	92%		8%	92%	83%	67%	100%	50%	92%	8%	25%
	<b># of values between MDL and PQL</b>	1	1				1	3		1			



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**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>SRK3</b>																			
	11/08/05	216	335	190	0.20	6.50	214	0.117			0.0099		0.743	0.093	2.59	0.0013	0.0013	0.14	0.016
	03/09/06	239	390	206	0.500	2.00	226	0.083			0.0016		0.759	0.054	2.74	0.0013	0.0013	0.16	0.050
	05/20/06	206	360	213	0.400	4.75	216	0.338			0.0090		0.734	0.082	2.37	0.0013	0.0013	0.16	0.042
	08/19/06	218	380	233	0.200	8.25	221	0.016	0.016	0.016	0.0080	0.0700	0.719	0.073	2.36	0.0008	0.0025	0.16	0.053
	10/26/06	226	360	211	0.200	5.00	222	0.036	0.016	0.036	0.0240	0.0155	0.732	0.092	2.43	0.0008	0.0008	0.16	0.050
	03/16/07	213	350	198	0.400	7.75	226	0.016	0.016	0.016	0.0120	0.0700	0.599	0.059	2.01	0.0008	0.0008	0.16	0.016
	05/13/07	215	380	203	0.075	5.75	226	0.050			0.0036		0.767	0.077	2.16	0.0008	0.0008	0.16	0.016
	08/19/07	202	370	210	0.200	14.8	225	0.031			0.0032		0.571	0.058	1.99	0.0008	0.0008	0.16	0.067
	11/09/07	227	370	226	0.300	6.50	224	0.016			0.0103		0.621	0.067	2.30	0.0017	0.0008	0.16	0.016
	<b>Mean</b>	218	370	210	0.28	6.80	222	0.078	0.016	0.022	0.0090	0.0520	0.694	0.073	2.33	0.0010	0.0011	0.15	0.036
	<b>Median</b>	216	370	210	0.20	6.50	224	0.036	0.016	0.016	0.0090	0.0700	0.732	0.073	2.36	0.0008	0.0008	0.16	0.042
	<b>St. Deviation</b>	11	20	13	0.13	3.5	4	0.103	0	0.0115	0.007	0.031	0.075	0.014	0.25	0.0004	0.0006	0.005	0.0204
	<b># of values</b>	9	9	9	9	9	9	9	3	3	9	3	9	9	9	9	9	9	9
	<b>Minimum</b>	202	335	190	0.075	2.00	214	0.016	0.016	0.016	0.0016	0.0155	0.571	0.054	1.99	0.0008	0.0008	0.14	0.016
	<b>Maximum</b>	239	390	233	0.50	14.8	226	0.338	0.016	0.036	0.0240	0.0700	0.767	0.093	2.74	0.0017	0.0025	0.16	0.067
	<b>% of values undetected</b>				11%			44%	100%	67%	11%	33%				89%	100%	89%	67%
	<b># of values between MDL and PQL</b>				7	7		3		1	5	2		9		1		1	3
<b>SRK5D</b>																			
	09/24/04	15.4	60.0	63.8	5.26	4.5	8.25	0.470			0.110		0.886	0.043	13.0	0.0030	0.0013	0.15	0.016
	05/14/05	17.7	60.0	72.5	0.075	19.0	7.50	0.210			0.0830		0.836	0.056	12.9	0.0013	0.0013	0.23	0.016
	08/18/05	16.0	55.0	47.5	0.30	9.75	8.00	0.080			0.0820		0.803	0.050	12.8	0.0025	0.0025	0.19	0.100
	08/18/06	14.7	45.0	57.5	0.075	11.0	8.00	0.091	0.016	0.076	0.0950	0.120	0.805	0.0720	12.8	0.0008	0.0008	0.16	0.045
	<b>Mean</b>	16.0	55.0	60.3	1.4	11.0	7.90	0.21	0.016	0.076	0.0900	0.120	0.833	0.055	12.9	0.0019	0.0014	0.18	0.044
	<b>Median</b>	15.7	58.0	60.7	0.20	10.0	8.00	0.15	0.016	0.076	0.0900	0.120	0.821	0.053	12.9	0.0019	0.0013	0.17	0.030
	<b>St. Deviation</b>	1.3	7	10.5	2.6	6	0.3	0.182	NA	NA	0.01	NA	0.039	0.012	0.1	0.0011	0.00075	0.04	0.0397
	<b># of values</b>	4	4	4	4	4	4	4	1	1	4	1	4	4	4	4	4	4	4
	<b>Minimum</b>	14.7	45.0	47.5	0.075	4.5	7.50	0.080	0.016	0.076	0.0820	0.120	0.803	0.043	12.8	0.0008	0.0008	0.15	0.016
	<b>Maximum</b>	17.7	60.0	72.5	5.26	19.0	8.25	0.47	0.016	0.076	0.110	0.120	0.886	0.072	13.0	0.0030	0.0025	0.23	0.100
	<b>% of values undetected</b>				50%				100%							75%	100%	25%	50%
	<b># of values between MDL and PQL</b>				1	1	4	3		1				4		1		3	2

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK3</b>																					
	11/08/05	3.53	1.00	0.0152		0.125	0.484	330	376	0.0075	0.0075	0.0016	0.0050	8.00	6.30	0.0078	0.0160	48100	47800	0.265	
	03/09/06	4.55	2.26	0.0838	0.0640	0.155	0.155	371	358	0.0422	0.0120	0.0750	0.0250	7.31	6.06	0.0272	0.0125	51600	51800	0.495	0.379
	05/20/06	13.2	9.42	0.0480	0.0242	0.155	0.155	334	397	0.0120	0.0120	0.0075	0.0075	3.61	4.47	0.0125	0.0125	47000	48100	0.412	0.361
	08/19/06	5.46	4.45	0.0075	0.0075	0.698	0.585	378	375	0.0125	0.0125	0.0075	0.0075	3.04	3.12	0.0185	0.0185	50100	47300	0.256	0.310
	10/26/06	1.00	1.00	0.0075	0.0075	0.155	0.155	364	390	0.0125	0.0125	0.0075	0.0075	4.52	3.49	0.0185	0.0185	54100	55500	0.152	0.144
	03/16/07	2.00	2.00	0.0150	0.0150	0.310	0.310	380	417	0.0250	0.0250	0.0150	0.0150	2.50	2.50	0.0150	0.0150	50200	52000	0.432	0.508
	05/13/07	1.00	1.00	0.0200	0.0250	0.155	0.155	407	403	0.0125	0.0125	0.0075	0.0075	4.60	4.75	0.0075	0.0075	49600	49400	0.100	0.050
	08/19/07	2.36	1.00	0.0075	0.0075	0.312	0.155	405	400	0.0125	0.0125	0.0075	0.0075	5.19	5.69	0.0075	0.0075	49200	49200	0.050	0.050
	11/09/07	2.37	1.00	0.0075	0.0206	0.366	0.346	472	478	0.0125	0.0125	0.0075	0.0075	4.72	4.76	0.0075	0.0075	55200	56400	0.368	0.259
	<b>Mean</b>	3.90	2.60	0.024	0.021	0.270	0.278	382	399	0.017	0.013	0.015	0.010	4.83	4.57	0.014	0.013	50600	50800	0.28	0.26
	<b>Median</b>	2.37	1.00	0.015	0.018	0.155	0.155	378	397	0.013	0.013	0.0075	0.0075	4.60	4.75	0.013	0.013	50100	49400	0.27	0.285
	<b>St. Deviation</b>	3.8	2.8	0.026	0.019	0.184	0.165	43	34	0.0107	0.0047	0.023	0.006	1.82	1.33	0.0069	0.005	2700	3300	0.16	0.165
	<b># of values</b>	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8
	<b>Minimum</b>	1.00	1.00	0.0075	0.0075	0.125	0.155	330	358	0.0075	0.0075	0.0016	0.0050	2.50	2.50	0.0075	0.0075	47000	47300	0.050	0.050
	<b>Maximum</b>	13.2	9.42	0.0838	0.064	0.698	0.585	472	478	0.0422	0.0250	0.0750	0.0250	8.00	6.30	0.0272	0.0185	55200	56400	0.5	0.508
	<b>% of values undetected</b>	33%	67%	56%	50%	67%	67%			89%	100%	89%	100%	11%	11%	89%	89%			22%	25%
	<b># of values between MDL and PQL</b>			2	3	2	2							6	6	1	1			1	1
<b>SRK5D</b>																					
	09/24/04	250	12.5	0.0385	0.0385	0.125	0.125	3.05	2.71	0.0075	0.0075	0.750	0.750	1.55	4.00	0.0155	0.0155	4530	4220	0.37	0.195
	05/14/05	12.2	3.27	0.0339	0.0306	0.158	0.179	0.859	0.875	0.0015	0.0015	0.0038	0.0106	2.18		0.0195	0.0188	5090	4080	0.036	0.036
	08/18/05	9.53	3.85	0.0226	0.0186	0.250	0.250	0.843	0.711	0.0075	0.0075	0.0086	0.005	1.55	3.80	0.0078	0.0078	4510	4210	1.12	0.502
	08/18/06	2.93	1.00	0.0256	0.0256	0.311	0.468	0.514	0.451	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	4160	4200	0.238	0.220
	<b>Mean</b>	69.0	5.20	0.0302	0.0283	0.211	0.256	1.32	1.19	0.0072	0.0072	0.19	0.19	1.63	3.02	0.0153	0.0151	4570	4180	0.44	0.24
	<b>Median</b>	11.0	3.60	0.0298	0.0281	0.204	0.215	0.850	0.79	0.0075	0.0075	0.010	0.010	1.55	3.80	0.0170	0.0170	4520	4210	0.30	0.21
	<b>St. Deviation</b>	121	5	0.0073	0.0084	0.085	0.151	1.17	1.03	0.0045	0.0045	0.37	0.37	0.39	1.53	0.0053	0.0051	380	70	0.47	0.194
	<b># of values</b>	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4
	<b>Minimum</b>	2.93	1.00	0.0226	0.0186	0.125	0.125	0.514	0.451	0.0015	0.0015	0.0038	0.0050	1.25	1.25	0.0078	0.0078	4160	4080	0.036	0.036
	<b>Maximum</b>	250	12.5	0.0385	0.0385	0.311	0.468	3.05	2.71	0.0125	0.0125	0.750	0.750	2.18	4	0.0195	0.0188	5090	4220	1.12	0.502
	<b>% of values undetected</b>	25%	50%	25%	25%	50%	50%			100%	100%	75%	75%	75%	33%	75%	75%			25%	25%
	<b># of values between MDL and PQL</b>			1	1	1	1					1	1		2	1	1				1

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary**

**December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Total µg/L	Dissolved µg/L	Dissolved µg/L
<b>SRK3</b>																								
	11/08/05	0.289	0.297	0.308	0.268	178	186	<b>0.050</b>		23200	22600	113	128	<b>0.0310</b>	<b>0.0310</b>	0.673		1.70		1060	1270	<b>0.0775</b>	<b>0.0775</b>	6370
	03/09/06	0.271	0.257	0.418	0.359	190	171	6.62	0.178	26700	26300	125	131	<b>0.00250</b>	<b>0.000475</b>	3.18	0.726	1.22	1.34	1250	1200	<b>0.155</b>	<b>0.155</b>	5800
	05/20/06	0.260	0.292	0.621	0.377	208	194	1.12	0.201	21500	24900	125	133	<b>0.000475</b>	<b>0.00100</b>	0.646		1.43		1200	1260	<b>0.155</b>	<b>0.155</b>	4130
	08/19/06	0.273	0.272	1.01	0.539	161	147	0.376	0.148	22600	21800	136	131	<b>0.000475</b>	<b>0.000475</b>	0.711	0.693	1.16	1.19	1110	1090	<b>0.155</b>	<b>0.155</b>	5660
	10/26/06	0.255	0.267	0.237	0.224	143	151	<b>0.050</b>	<b>0.050</b>	21900	22100	138	149	<b>0.000475</b>	<b>0.000475</b>	0.746	0.814	1.12	1.13	1180	1360	<b>0.155</b>	<b>0.155</b>	6430
	03/16/07	0.242	0.249	0.247	0.296	314	191	<b>0.100</b>	<b>0.0310</b>	21300	22600	135	152	<b>0.000169</b>	<b>0.000475</b>	0.696	0.773	1.88	1.63	1090	1160	<b>0.310</b>	<b>0.310</b>	6040
	05/13/07	0.247	0.257	0.117	0.171	261	258	<b>0.0155</b>	<b>0.050</b>	22100	21800	142	143	<b>0.000169</b>	<b>0.000475</b>	0.691	0.722	1.35	1.59	1080	1070	<b>0.155</b>	<b>0.155</b>	5870
	08/19/07	0.268	0.264	2.36	0.141	154	141	0.118	<b>0.0155</b>	19200	19100	143	142	<b>0.0025</b>	<b>0.000475</b>	0.733	0.728	1.50	1.58	1040	1030	<b>0.155</b>	<b>0.155</b>	5920
	11/09/07	0.244	0.248	0.148	0.142	205	201	<b>0.0155</b>	<b>0.0155</b>	21600	23200	163	164	<b>0.000169</b>	<b>0.000475</b>	0.743	0.758	1.48	1.55	1210	1230	<b>0.155</b>	<b>0.155</b>	6820
	<b>Mean</b>	0.261	0.267	0.610	0.280	202	182	0.94	0.086	22200	22700	136	141	0.00420	0.00390	0.980	0.745	1.43	1.43	1140	1190	0.164	0.164	5890
	<b>Median</b>	0.260	0.264	0.308	0.268	190	186	0.10	0.050	21900	22600	136	142	0.000475	0.000475	0.711	0.728	1.43	1.55	1110	1200	0.155	0.155	5920
	<b>St. Deviation</b>	0.016	0.017	0.71	0.131	55	36	2.16	0.077	2000	2000	14	12	0.0101	0.0102	0.83	0.04	0.25	0.21	80	110	0.061	0.061	760
	<b># of values</b>	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	7	9	7	9	9	9	9	9
	<b>Minimum</b>	0.242	0.248	0.117	0.141	143	141	0.0155	0.0155	19200	19100	113	128	0.000169	0.000475	0.646	0.693	1.12	1.13	1040	1030	0.0775	0.0775	4130
	<b>Maximum</b>	0.289	0.297	2.36	0.539	314	258	6.62	0.201	26700	26300	163	164	0.0310	0.0310	3.18	0.814	1.88	1.63	1250	1360	0.310	0.310	6820
	<b>% of values undetected</b>							56%	63%					100%	89%							100%	100%	
	<b># of values between MDL and PQL</b>														1									
<b>SRK5D</b>																								
	09/24/04	0.104	0.171	2.46	2.24	50.3	<b>3.10</b>	<b>0.106</b>	<b>0.050</b>	991	934	8.59	7.72	<b>0.0310</b>		2.65	2.53	0.992	1.03	593	573	<b>0.630</b>	<b>0.550</b>	9280
	05/14/05	0.0937	0.0913	3.87	4.00	<b>3.10</b>	<b>1.325</b>	<b>0.035</b>	<b>0.035</b>	1200	1110	1.95	1.96	<b>0.0315</b>	<b>0.0315</b>	2.54	2.69	0.775	0.852	596	581	0.580	0.568	9000
	08/18/05	0.0720	0.0766	4.16	3.90	<b>13.7</b>	<b>9.84</b>	<b>0.036</b>	<b>0.0155</b>	1140	1090	1.91	1.84	<b>0.0310</b>	<b>0.0940</b>	2.54	2.54	1.29	1.28	639	596	0.777	<b>0.426</b>	9620
	08/18/06	0.0290	0.0296	3.69	3.17	<b>3.10</b>	<b>3.10</b>	0.105	0.113	1060	1040	0.463	0.495	<b>0.000475</b>	<b>0.000475</b>	2.44	2.50	0.825	0.841	563	575	<b>0.323</b>	<b>0.431</b>	7990
	<b>Mean</b>	0.0750	0.0920	3.55	3.33	17.6	4.34	0.071	0.053	1100	1040	3.23	3.00	0.0235	0.0420	2.54	2.57	0.970	1.00	598	581	0.578	0.494	8970
	<b>Median</b>	0.0830	0.0840	3.78	3.54	8.40	3.10	0.071	0.043	1100	1070	1.93	1.90	0.0310	0.0315	2.54	2.54	0.910	0.940	595	578	0.605	0.491	9140
	<b>St. Deviation</b>	0.033	0.059	0.75	0.81	22.4	3.76	0.04	0.042	90	80	3.64	3.21	0.0153	0.0476	0.09	0.09	0.23	0.21	31	10	0.189	0.076	700
	<b># of values</b>	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4
	<b>Minimum</b>	0.0290	0.0296	2.46	2.24	3.10	1.33	0.035	0.0155	991	934	0.463	0.495	0.000475	0.000475	2.44	2.50	0.775	0.841	563	573	0.323	0.426	7990
	<b>Maximum</b>	0.104	0.171	4.16	4.00	50.3	9.84	0.106	0.113	1200	1110	8.59	7.72	0.0315	0.0940	2.65	2.69	1.29	1.28	639	596	0.777	0.568	9620
	<b>% of values undetected</b>					25%	75%	25%	75%					100%	100%									
	<b># of values between MDL and PQL</b>					2	1	2							1							2	3	

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Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK3</b>													
	11/08/05	0.0031	0.0031	5210	6000	0.0031	0.0031	0.031	0.031	0.100	0.100	6.19	7.08
	03/09/06	0.0172	0.0031	6580	6030	0.0220	0.0025	0.0952	0.0155	0.110	0.110	11.5	9.48
	05/20/06	0.0031	0.0031	6070	6200	0.0025	0.0112	0.0584	0.0155	0.110	0.110	10.8	11.9
	08/19/06	0.0031	0.0031	5620	5490	0.0050	0.0050	0.050	0.050	0.250	0.250	16.8	15.6
	10/26/06	0.0031	0.0031	5700	5640	0.0050	0.0050	0.050	0.050	0.250	0.250	0.50	0.50
	03/16/07	0.0062	0.0062	5760	6140	0.0100	0.0100	0.100	0.100	0.310	0.310	9.90	7.65
	05/13/07	0.0031	0.0031	6010	5910	0.0050	0.0050	0.050	0.050	0.155	0.155	0.50	1.25
	08/19/07	0.0031	0.0031	5670	5740	0.0050	0.0050	0.050	0.050	0.155	0.155	1.44	1.45
	11/09/07	0.0031	0.0031	6270	6460	0.0050	0.0050	0.050	0.050	0.155	0.155	2.43	2.37
	<b>Mean</b>	0.0050	0.0034	5880	5960	0.0070	0.0060	0.060	0.050	0.180	0.180	6.7	6.4
	<b>Median</b>	0.0031	0.0031	5760	6000	0.0050	0.0050	0.050	0.050	0.155	0.155	6.2	7.1
	<b>St. Deviation</b>	0.005	0.001	400	300	0.006	0.003	0.02	0.03	0.07	0.07	5.9	5.3
	<b># of values</b>	9	9	9	9	9	9	9	9	9	9	9	9
	<b>Minimum</b>	0.0031	0.0031	5210	5490	0.0025	0.0025	0.031	0.0155	0.100	0.100	0.50	0.50
	<b>Maximum</b>	0.0172	0.0062	6580	6460	0.022	0.0112	0.100	0.100	0.310	0.310	16.8	15.6
	<b>% of values undetected</b>	89%	100%			89%	89%	78%	100%	100%	100%	22%	11%
	<b># of values between MDL and PQL</b>	1						2					
<b>SRK5D</b>													
	09/24/04	0.0031	0.0031	3040	2980	0.0125	0.0125	0.155	0.155	0.297	0.125	2.50	2.20
	05/14/05	0.0084	0.0050	3320	2740	0.00213		0.103	0.0302	0.0691	0.0047	3.37	3.63
	08/18/05	0.0064	0.0031	3290	3170	0.0144	0.0092	0.031	0.031	0.100		3.81	3.82
	08/18/06	0.0156	0.0188	3070	3040	0.0050	0.0050	0.050	0.050	0.250	0.250	3.50	3.68
	<b>Mean</b>	0.0084	0.0080	3180	2980	0.0085	0.009	0.085	0.067	0.179	0.13	3.30	3.33
	<b>Median</b>	0.0074	0.0040	3180	3010	0.0088	0.009	0.077	0.041	0.175	0.13	3.44	3.66
	<b>St. Deviation</b>	0.0053	0.008	150	180	0.0059	0.0038	0.056	0.06	0.111	0.123	0.56	0.76
	<b># of values</b>	4	4	4	4	4	3	4	4	4	3	4	4
	<b>Minimum</b>	0.0031	0.0031	3040	2740	0.0021	0.0050	0.031	0.0302	0.0691	0.0047	2.50	2.20
	<b>Maximum</b>	0.0156	0.0188	3320	3170	0.0144	0.0125	0.155	0.155	0.297	0.25	3.81	3.82
	<b>% of values undetected</b>	25%	75%			75%	67%	75%	100%	50%	100%		
	<b># of values between MDL and PQL</b>	3	1			1	1	1		1			

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>SRK5M</b>																			
	09/25/04	33.6	90.0	78.8	0.947	3.50	26.5	0.500			0.0600		1.10	0.119	27.3	0.0013	0.0013	0.17	0.050
	10/20/04	29.7	95.0	62.5	0.075	10.0	29.0	0.550			0.0155		1.03	0.016	13.0	0.0013	0.0013	0.03	0.016
	03/18/05	30.7	85.0	56.3	0.20	10.3	30.0	0.310			0.0629		0.919	0.059	11.3	0.0013	0.0013	0.16	0.016
	05/14/05	36.3	90.0	88.7	0.075	9.13	30.0	0.420			0.0925		0.873	0.055	10.6	0.0013	0.0013	0.09	0.016
	08/18/05	32.4	90.0	62.5	0.075	5.88	30.0	0.355			0.0270		0.846	0.044	11.3	0.0025	0.0025	0.20	0.016
	11/08/05	33.5	90.0	57.5	0.075	8.75	37.0	0.347			0.0240		0.844	0.053	12.4	0.0013	0.0013	0.13	0.016
	03/10/06	34.1	70.0	23.7	0.075	7.75	32.0	0.262			0.0160		0.869	0.034	11.5	0.0013	0.0013	0.16	0.016
	05/18/06	34.4	85.0	63.8	0.0775	5.25	32.0	0.363			0.0395		0.846	0.056	10.3	0.0013	0.0013	0.16	0.038
	08/17/06	33.2	85.0	66.2	0.075	7.00	32.0	0.287	0.016	0.287	0.0270	0.600	1.22	0.066	11.5	0.0008	0.0008	0.16	0.050
	10/27/06	33.0	80.0	65.0	0.075	6.25	33.0	0.202	0.016	0.194	0.0320	0.0600	0.823	0.102	13.5	0.0008	0.0025	0.16	0.050
	03/13/07	31.3	75.0	60.0	0.075	6.75	30.0	0.283	0.016	0.285	0.0370	0.190	0.743	0.040	9.89	0.0008	0.0008	0.16	0.016
	05/12/07	22.2	90.0	85.0	0.075	19.0	1.55	0.050			0.114		0.843	0.080	35.3	0.0008	0.0008	0.16	0.016
	08/18/07	29.3	85.0	57.5	0.075	12.5	29.9	0.320			0.0210		0.736	0.045	10.7	0.0008	0.0008	0.16	0.066
	11/10/07	34.7	90.0	23.8	0.0765	7.00	31.4	0.218			0.0278		0.763	0.052	12.0	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	32.0	86.0	60.8	0.15	8.50	29.0	0.319	0.016	0.255	0.0400	0.280	0.890	0.060	14.3	0.0011	0.0013	0.14	0.028
	<b>Median</b>	33.1	88.0	62.5	0.08	7.40	30.0	0.315	0.016	0.285	0.0300	0.190	0.850	0.050	11.5	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	3.4	7	18.7	0.23	3.8	8	0.125	0	0.053	0.03	0.28	0.14	0.03	7.4	0.00047	0.00058	0.04	0.0184
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	22.2	70.0	23.7	0.075	3.50	1.55	0.050	0.016	0.194	0.0155	0.0600	0.736	0.016	9.89	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	36.3	95.0	88.7	0.947	19.0	37.0	0.550	0.016	0.287	0.114	0.600	1.22	0.119	35.3	0.0025	0.0025	0.20	0.066
	<b>% of values undetected</b>				86%		7%	14%	100%		7%			7%		100%	100%	64%	86%
	<b># of values between MDL and PQL</b>				1	5		1			1	1		11				5	2



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Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK5M</b>																					
	09/25/04	12.5	12.5	0.0385	0.156	0.125	0.259	6.15	6.09	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	9730	9740	0.544	0.246
	10/20/04	12.5	12.5	0.0385	0.0385	0.125	0.125	6.10	5.63	0.0075	0.0075	0.750	0.750	1.55	1.55	0.0155	0.0155	8480	8440	0.257	0.050
	03/18/05	1.77	0.93	0.0249	0.0199	0.207	0.196	6.90	6.74	0.0038	0.0015	0.0107	0.00384	2.97	2.41	0.0096	0.0031	8830	9520	0.261	0.112
	05/14/05	4.95	3.98	0.0100	0.0100	0.378	0.280	6.71	7.02	0.0015	0.0015	0.0038	0.0038	2.88		0.0031	0.0031	10300	9280	0.036	0.036
	08/18/05	2.68	1.00	0.0050		0.250	0.630	6.14	6.00	0.0075	0.0075	0.0050	0.0016	1.55	1.55	0.0078	0.0078	9260	9130	0.267	0.407
	11/08/05	1.00	1.00	0.0016	0.0016	0.125	0.125	6.54	6.09	0.0075	0.0075	0.0016	0.0016	3.60	1.55	0.0078	0.0078	9620	9580	0.100	0.100
	03/10/06	2.66	1.00	0.0278	0.0226	0.155	0.155	6.67	6.44	0.0120	0.0120	0.0610	0.0250	2.24	2.50	0.0125	0.0125	9460	9160	0.581	0.506
	05/18/06	3.16	2.12	0.0168	0.0258	0.155	0.155	5.89	6.07	0.0120	0.0120	0.0075	0.0075	0.75	0.75	0.0125	0.0125	10000	9190	0.445	0.275
	08/17/06	2.06	1.00	0.0075	0.0190	0.155	0.702	6.35	6.22	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	9470	10100	0.201	0.235
	10/27/06	1.00	1.00	0.0075	0.0250	0.155	0.490	6.58	6.34	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0185	0.0185	9270	9460	0.050	0.050
	03/13/07	7.86		0.0250	0.0250	0.155	0.155	6.14	6.28	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8920	9050	0.100	0.100
	05/12/07	188	192	0.251	0.252	6.62	7.08	2.21	2.25	0.0294	0.0254	0.0075	0.0075	1.25	1.25	0.245	0.249	5980	6130	0.530	0.511
	08/18/07	1.00	1.00	0.0194	0.0172	0.155	0.310	6.05	6.12	0.0125	0.0125	0.0075	0.0075	1.25	1.25	0.0075	0.0075	8180	8840	0.162	0.162
	11/10/07	0.31	0.31	0.0075	0.0156	0.155	0.155	6.33	7.19	0.0125	0.0456	0.0075	0.0075	1.25	1.25	0.0075	0.0075	9980	10700	0.336	0.210
	<b>Mean</b>	17	18	0.034	0.048	0.640	0.770	6.05	6.03	0.011	0.013	0.12	0.11	1.8	1.49	0.028	0.028	9100	9200	0.28	0.21
	<b>Median</b>	3.0	1.0	0.018	0.0226	0.160	0.230	6.24	6.17	0.012	0.012	0.010	0.010	1.4	1.25	0.011	0.010	9400	9200	0.26	0.19
	<b>St. Deviation</b>	49	53	0.063	0.072	1.72	1.83	1.14	1.17	0.0065	0.0111	0.27	0.27	0.83	0.48	0.063	0.064	1100	1000	0.19	0.162
	<b># of values</b>	14	13	14	13	14	14	14	14	14	14	14	14	14	13	14	14	14	14	14	14
	<b>Minimum</b>	0.31	0.31	0.0016	0.0016	0.125	0.125	2.21	2.25	0.0015	0.0015	0.0016	0.0016	0.75	0.75	0.0031	0.0031	5980	6130	0.036	0.036
	<b>Maximum</b>	188	192	0.251	0.252	6.62	7.08	6.90	7.19	0.0294	0.0456	0.750	0.750	3.60	2.5	0.245	0.249	10300	10700	0.58	0.511
	<b>% of values undetected</b>	43%	69%	64%	38%	79%	43%			86%	86%	86%	100%	71%	92%	86%	93%			29%	36%
	<b># of values between MDL and PQL</b>			3	7		3			2	2	1		2		1				1	2

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Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK5M</b>																								
	09/25/04	0.0535		0.755	0.795	14.5	3.10	0.050	0.050	2250	2300	1.22	2.12	0.0310		1.25	1.24	0.482	0.561	461	471	0.155	0.155	7310
	10/20/04	0.0155	0.0500	0.636	0.496	10.0	3.10	0.050	0.050	2060	1990	1.35	1.16	0.100	0.100	3.02	2.91	0.294	0.333	506	510	0.471	0.627	8110
	03/18/05	0.0259	0.0177	0.442	0.236	1.33	1.33	0.011	0.0454	2100	2200	0.576	0.616	0.0315	0.0315	1.52	1.56	0.205		464	484	0.269	0.283	5530
	05/14/05	0.0178	0.0048	0.256	0.232	5.98	1.33	0.011		2570	2070	0.407	0.401	0.0315	0.0315	1.48	1.63	0.111	0.200	478	490	0.262	0.252	6980
	08/18/05	0.0366	0.042	0.375	0.405	22.9	10.1	0.0155	0.090	2260	2190	0.766	0.727	0.0310	0.0310	1.21	1.21	0.490		464	465	0.0775	0.305	7520
	11/08/05	0.0268	0.0248	0.397	0.312	3.10	3.10	0.0155	0.050	2310	2330	0.455	0.433	0.0310	0.0310	1.18	1.17	0.384	0.426	456	461	0.211	0.0775	7740
	03/10/06	0.0202	0.0144	0.385	0.457	10.0	10.0	0.0130	0.0250	2550	2630	0.641	0.595	0.00583	0.00250	1.07	1.07	0.341	0.345	486	488	0.155	0.155	7480
	05/18/06	0.0350	0.0350	0.707	0.400	8.13	3.10	0.0916	0.0998	2260	2230	0.367	0.209	0.000475	0.00172	1.04	1.12	0.339	0.363	531	484	0.155	0.155	3970
	08/17/06	0.0326	0.0344	0.369	0.383	3.10	3.10	0.050	0.110	2320	2400	0.707	0.699	0.000475	0.000475	1.11	1.18	0.339	0.357	466	493	0.428	0.312	6810
	10/27/06	0.0170	0.0178	0.387	0.456	3.10	10.0	0.050	0.0155	2400	2270	0.573		0.000475	0.000475	1.26	1.15	0.271	0.100	454	465	0.155	0.155	6590
	03/13/07	0.0100	0.0100	0.596	0.583	3.10	10.0	0.050	0.050	2180	2230	0.606		0.000378	0.000475	1.09	1.09	0.210	0.299	427	433	0.155	0.155	7330
	05/12/07	3.22	3.31	1060	1090	601	621	0.176	0.050	1780	1880	48.0	49.4	0.000169	0.000475	9.41	9.71	2.26	2.36	976	1010	1.13	1.23	11100
	08/18/07	0.0174	0.0190	1.17	0.954	3.10	3.10	0.0155	0.0155	2160	2200	0.411	0.499	0.00250	0.000475	1.23	1.24	0.327	0.365	388	424	0.155	0.155	7220
	11/10/07	0.0104	0.0168	0.288	0.322	3.10	3.10	0.0155	0.0155	2370	2510	0.551	0.584	0.000405	0.00119	1.18	1.35	0.191	0.246	486	527	0.155	0.425	7420
	<b>Mean</b>	0.250	0.280	80.0	80.0	50.0	50.0	0.040	0.050	2260	2250	4.00	4.80	0.0190	0.0180	1.93	1.97	0.450	0.500	503	510	0.280	0.320	7200
	<b>Median</b>	0.0200	0.0190	0.519	0.476	5.60	3.10	0.030	0.050	2260	2230	0.600	0.600	0.00400	0.00172	1.22	1.23	0.330	0.350	465	480	0.160	0.200	7300
	<b>St. Deviation</b>	0.85	0.91	280	290	160	160	0.04	0.03	200	190	12.7	14.1	0.027	0.029	2.21	2.28	0.53	0.6	140	150	0.27	0.3	1500
	<b># of values</b>	14	13	14	14	14	14	14	13	14	14	14	12	14	13	14	14	14	12	14	14	14	14	14
	<b>Minimum</b>	0.0100	0.0048	0.256	0.232	1.33	1.33	0.011	0.0155	1780	1880	0.367	0.209	0.000169	0.000475	1.04	1.07	0.111	0.100	388	424	0.0775	0.0775	3970
	<b>Maximum</b>	3.22	3.31	1060	1090	601	621	0.176	0.11	2570	2630	48.0	49.4	0.100	0.100	9.41	9.71	2.26	2.36	976	1010	1.13	1.23	11100
	<b>% of values undetected</b>	14%	23%			64%	86%	86%	69%					79%	85%				8%			57%	50%	
	<b># of values between MDL and PQL</b>	6	5			3	1		2					2	2				1			3	4	

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary  
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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK5M</b>													
	09/25/04	0.0031	0.0031	3360	3450	0.0125	0.0125	0.155	0.155	0.371	0.125	0.712	1.73
	10/20/04	0.0031	0.0031	3480	3480	0.0125	0.0125	0.155	0.155	0.125	0.125	0.235	0.75
	03/18/05	0.0066	0.00144	3340	3370	0.0143	0.00213	0.100	0.100	0.0607	0.0869	0.548	1.01
	05/14/05	0.0014	0.0014	4080	3420	0.0021	0.0043	0.102	0.0302	0.102	0.0399	0.235	1.10
	08/18/05	0.0031	0.0031	3750	3550	0.0031	0.0031	0.031	0.031	0.100	0.237	0.75	0.75
	11/08/05	0.0031	0.0031	3720	3630	0.0031	0.0031	0.031	0.031	0.200	0.100	0.75	0.75
	03/10/06	0.0031	0.0031	4050	4120	0.0025	0.0025	0.0155	0.0155	0.110	0.110	2.16	
	05/18/06	0.0031	0.0031	3820	3810	0.0025	0.0025	0.0155	0.0330	0.110	0.250	0.990	1.02
	08/17/06	0.0031	0.0031	3620	3780	0.0050	0.0050	0.050	0.050	0.250	0.250	1.42	
	10/27/06	0.0031	0.0031	3640	3460	0.0182	0.0050	0.050	0.050	0.250	0.250	0.50	0.50
	03/13/07	0.0031	0.0031	3520	3590	0.0050	0.0050	0.050	0.050	0.581	0.586	1.40	2.16
	05/12/07	0.0031	0.0031	4600	4830	0.0510	0.0524	0.050	0.050	0.155	0.155	36.1	36.5
	08/18/07	0.0031	0.0031	3500	3470	0.0050	0.0050	0.050	0.050	0.155	0.155	1.95	1.02
	11/10/07	0.0031	0.0031	3650	3780	0.0050	0.0050	0.050	0.050	0.155	0.155	1.07	1.19
	<b>Mean</b>	0.0032	0.0029	3720	3700	0.010	0.0090	0.060	0.060	0.195	0.187	3.5	4
	<b>Median</b>	0.0031	0.0031	3650	3570	0.0050	0.0050	0.050	0.050	0.155	0.155	0.90	1
	<b>St. Deviation</b>	0.0011	0.0006	340	380	0.013	0.013	0.05	0.04	0.138	0.133	9.4	10.2
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	12
	<b>Minimum</b>	0.0014	0.0014	3340	3370	0.0021	0.0021	0.0155	0.0155	0.0607	0.0399	0.235	0.5
	<b>Maximum</b>	0.0066	0.0031	4600	4830	0.0510	0.0524	0.155	0.155	0.581	0.586	36.1	36.5
	<b>% of values undetected</b>	93%	100%			79%	86%	93%	93%	71%	71%	36%	33%
	<b># of values between MDL and PQL</b>	1				1	1	1	1	2	2	2	

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

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*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Hardness	Conductivity	TDS	TSS	Acidity	Alkalinity	Nitrate & Nitrite	Nitrite	Nitrate	Total Phosphorus	Orthophosphate	Chloride	Fluoride	Sulfate	Total Cyanide	WAD Cyanide	Thiocyanate	Ammonia
		mg/L	umhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
<b>SRK5S</b>																			
	09/25/04	9.09	32.0	57.5	2.32	4.50	6.75	0.155			0.0155		1.19	0.016	3.57	0.0013	0.0013	0.14	0.016
	10/20/04	5.66	24.0	27.5	2.05	3.50	5.00	0.510			0.0155		0.974	0.016	2.42	0.0013	0.0027	0.03	0.016
	03/18/05	8.10	27.0	17.5	0.20	5.00	7.00	0.580			0.0414		0.919	0.016	3.07	0.0013	0.0013	0.30	0.016
	05/14/05	8.25	25.5	36.3	0.15	7.38	4.00	1.83			0.0285		0.875	0.016	1.44	0.0013	0.0013	0.12	0.016
	08/18/05	8.08	26.0	26.3	1.3	3.88	6.00	6.53			0.0200		0.874	0.016	2.55	0.0025	0.0025	0.29	0.016
	11/08/05	8.24	29.5	18.8	2.1	11.9	7.00	0.330			0.0099		0.836	0.016	5.02	0.0013	0.0013	0.12	0.016
	03/10/06	8.42	30.0	15.0	5.00	5.50	5.00	0.312			0.0120		0.829	0.016	5.20	0.0013	0.0013	0.16	0.050
	05/18/06	7.29	25.5	33.8	0.150	5.25	5.00	0.310			0.0070		0.811	0.016	3.96	0.0013	0.0013	0.16	0.016
	08/17/06	8.85	29.0	35.0	0.500	6.50	5.00	0.697	0.016	0.697	0.0100	0.0500	0.961	0.040	3.81	0.0008	0.0008	0.16	0.016
	10/27/06	7.32	23.0	31.3	0.400	6.75	6.00	0.639	0.016	0.624	0.0130	0.0155	1.01	0.035	2.63	0.0008	0.0008	0.16	0.050
	03/13/07	8.39	26.5	28.8	3.90	6.75	7.00	0.432	0.016	0.437	0.0200	0.110	0.854	0.016	2.42	0.0008	0.0008	0.16	0.016
	05/12/07	32.9	80.0	56.3	2.90	7.50	30.5	0.283			0.0329		0.899	0.060	10.2	0.0008	0.0008	0.16	0.016
	08/18/07	7.52	27.5	18.8	2.90	11.5	5.70	0.715			0.0117		0.781	0.016	2.28	0.0008	0.0008	0.16	0.077
	11/10/07	8.30	29.0	33.8	0.206	8.50	7.04	0.593			0.0132		0.749	0.016	2.72	0.0008	0.0008	0.16	0.016
	<b>Mean</b>	9.70	31.0	31.2	1.7	6.70	8.00	0.990	0.016	0.586	0.0179	0.06	0.900	0.022	3.70	0.0011	0.0012	0.16	0.025
	<b>Median</b>	8.20	27.0	30.1	1.7	6.60	6.00	0.550	0.016	0.624	0.0144	0.05	0.870	0.016	2.90	0.0013	0.0013	0.16	0.016
	<b>St. Deviation</b>	6.7	14	12.9	1.6	2.5	7	1.64	0	0.134	0.0099	0.05	0.11	0.0136	2.2	0.00047	0.0006	0.066	0.0194
	<b># of values</b>	14	14	14	14	14	14	14	3	3	14	3	14	14	14	14	14	14	14
	<b>Minimum</b>	5.66	23.0	15.0	0.15	3.50	4.00	0.155	0.016	0.437	0.0070	0.0155	0.749	0.016	1.44	0.0008	0.0008	0.03	0.016
	<b>Maximum</b>	32.9	80.0	57.5	5.0	11.9	30.5	6.53	0.016	0.697	0.0414	0.11	1.19	0.060	10.2	0.0025	0.0027	0.30	0.077
	<b>% of values undetected</b>				14%			7%	100%		14%	33%		79%		100%	93%	64%	93%
	<b># of values between MDL and PQL</b>				3	8	13	1			2	1		3			1	5	1
	Key:																		
	<b>Bold Results</b> = Parameter undetected by test, value shown is 1/2 MDL or 1/2 PQL.																		
	If result was not detected at the lab MDL, the value shown is 1/2 MDL.																		
	If flagged U or UJ, the value shown is 1/2 PQL.																		
	<b>Green Results</b> = Estimate result reported by laboratory below reporting limit (PQL).																		
	MDL = Method Detection Limit.																		
	PQL = Practical Quantitation Limit.																		
	NA = Not Applicable																		
	WAD Cyanide = Weak Acid Dissociable Cyanide																		

## 2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary

**December 2008**

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Well ID	Sample Date	Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK5S</b>																					
	09/25/04	203	<b>12.5</b>	<b>0.122</b>	<b>0.120</b>	<b>0.125</b>	<b>0.125</b>	8.64	5.94	<b>0.0075</b>	<b>0.0075</b>	<b>0.750</b>	<b>0.750</b>	<b>3.30</b>	<b>3.20</b>	<b>0.0794</b>	<b>0.0929</b>	2820	2620	2.28	1.07
	10/20/04	238	<b>12.5</b>	<b>0.0385</b>	<b>0.0385</b>	<b>0.125</b>	<b>0.125</b>	5.85	4.86	<b>0.0075</b>	<b>0.0075</b>	<b>0.750</b>	<b>0.750</b>	<b>1.55</b>	<b>1.55</b>	<b>0.0155</b>	<b>0.0155</b>	1670	1990	0.569	<b>0.050</b>
	03/18/05	9.40	3.40	<b>0.0156</b>	0.0236	0.0643	<b>0.0364</b>	5.88	5.55	<b>0.0054</b>	<b>0.0047</b>	<b>0.0038</b>	<b>0.0038</b>	1.85	1.86	<b>0.0031</b>	<b>0.0031</b>	2510	2780	3.31	0.611
	05/14/05	9.33	5.21	0.0333	<b>0.0041</b>	<b>0.0347</b>	<b>0.0200</b>	7.87	8.21	<b>0.0050</b>	<b>0.0044</b>	<b>0.0038</b>	<b>0.0038</b>	1.98		<b>0.0031</b>	<b>0.0031</b>	2650	2400	3.83	0.255
	08/18/05	196	4.80	0.0124	0.0148	<b>0.250</b>	<b>0.250</b>	6.39	5.08	<b>0.0154</b>	<b>0.0075</b>	<b>0.0050</b>	<b>0.0016</b>	<b>1.55</b>	<b>1.55</b>	<b>0.0078</b>	<b>0.0078</b>	2430	2550	3.11	0.682
	11/08/05	93.7	5.77	<b>0.0016</b>	<b>0.0016</b>	<b>0.125</b>	<b>0.125</b>	6.96	6.91	<b>0.0075</b>	<b>0.0075</b>	<b>0.0016</b>	0.0170	<b>1.55</b>	<b>1.55</b>	<b>0.0078</b>	<b>0.0078</b>	2510	2880	1.73	0.460
	03/10/06	212	8.43	<b>0.0210</b>	<b>0.0402</b>	<b>0.155</b>	<b>0.155</b>	8.39	7.13	<b>0.0120</b>	<b>0.0120</b>	0.0720	<b>0.0250</b>	<b>0.75</b>	<b>0.75</b>	<b>0.0125</b>	<b>0.0125</b>	2510	2540	4.23	0.812
	05/18/06	19.5	6.09	<b>0.0176</b>	<b>0.0190</b>	<b>0.155</b>	<b>0.155</b>	6.06	6.36	<b>0.0120</b>	<b>0.0120</b>	<b>0.0075</b>	<b>0.0075</b>	<b>0.75</b>	<b>0.75</b>	<b>0.0125</b>	<b>0.0125</b>	2200	2420	2.97	0.319
	08/17/06	28.4	6.00	<b>0.0230</b>	<b>0.0154</b>	<b>0.155</b>	<b>0.155</b>	7.74	7.48	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0185</b>	<b>0.0185</b>	2720	2960	6.16	0.615
	10/27/06	109	5.53	<b>0.0075</b>	<b>0.0075</b>	<b>0.155</b>	<b>0.155</b>	6.98	6.44	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0185</b>	<b>0.0185</b>	2230	2200	5.94	0.403
	03/13/07	365	7.82	<b>0.0250</b>	<b>0.0075</b>	0.607	<b>0.155</b>	7.82	5.19	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0075</b>	<b>0.0075</b>	2510	2500	7.21	0.713
	05/12/07	139	5.61	<b>0.0330</b>	<b>0.0284</b>	<b>0.155</b>	<b>0.155</b>	6.44	5.88	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0075</b>	<b>0.0075</b>	9560	9330	0.388	0.255
	08/18/07	232	6.23	<b>0.0256</b>	<b>0.0075</b>	<b>0.324</b>	<b>0.155</b>	7.46	5.52	<b>0.0125</b>	<b>0.0125</b>	<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0075</b>	<b>0.0075</b>	2240	2330	4.26	0.575
	11/10/07	173	2.42	<b>0.0075</b>	<b>0.0075</b>	<b>0.155</b>	<b>0.155</b>	5.64	5.16	<b>0.0276</b>		<b>0.0075</b>	<b>0.0075</b>	<b>1.25</b>	<b>1.25</b>	<b>0.0075</b>	<b>0.0075</b>	2540	2970	4.12	0.721
	<b>Mean</b>	145	6.60	0.027	0.024	0.185	0.137	7.01	6.12	0.012	0.010	0.12	0.11	1.5	1.4	0.015	0.016	2940	3030	3.58	0.54
	<b>Median</b>	156	5.90	0.022	0.015	0.155	0.155	6.97	5.91	0.012	0.012	0.010	0.010	1.3	1.3	0.0078	0.0078	2510	2550	3.57	0.59
	<b>St. Deviation</b>	106	2.9	0.029	0.03	0.14	0.055	0.99	1.01	0.0056	0.0032	0.27	0.27	0.63	0.61	0.0192	0.0227	1930	1830	1.99	0.27
	<b># of values</b>	14	14	14	14	14	14	14	14	14	13	14	14	14	13	14	14	14	14	14	14
	<b>Minimum</b>	9.33	2.42	0.0016	0.0016	0.035	0.0200	5.64	4.86	0.005	0.0044	0.0016	0.0016	0.75	0.75	0.0031	0.0031	1670	1990	0.39	0.050
	<b>Maximum</b>	365	12.5	0.122	0.12	0.607	0.250	8.64	8.21	0.0276	0.0125	0.750	0.750	3.30	3.20	0.0794	0.0929	9560	9330	7.21	1.07
	<b>% of values undetected</b>		14%	36%	50%	71%	93%			71%	85%	93%	93%	79%	85%	93%	93%				7%
	<b># of values between MDL and PQL</b>			7	5	2	1			4	2			1	1	1	1				
	Key:																				
	<b>Bold Results</b> = Parameter undetected by test, value shown is 1/2 MDL or 1/2 PQL.																				
	If result was not detected at the lab MDL, the value shown is 1/2 MDL.																				
	If flagged U or UJ, the value shown is 1/2 PQL.																				
	<b>Green Results</b> = Estimate result reported by laboratory below reporting limit (PQL).																				
	MDL = Method Detection Limit.																				
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	NA = Not Applicable																				
	WAD Cyanide = Weak Acid Dissociable Cyanide																				



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Well ID	Sample Date	Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Potassium		Selenium		Silicon
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK5S</b>																								
	09/25/04	0.166		3.36	0.428	235	<b>8.40</b>	<b>0.148</b>	<b>0.14</b>	496	451	11.7	11.4	<b>0.0310</b>		<b>0.438</b>	<b>0.320</b>	1.31		301	272	<b>0.155</b>	<b>0.155</b>	4750
	10/20/04	<b>0.0500</b>	<b>0.0155</b>	1.81	0.214	77.1	<b>3.10</b>	<b>0.126</b>	<b>0.050</b>	364	355	3.36	2.37	<b>0.100</b>	<b>0.100</b>	<b>0.346</b>	<b>0.313</b>	0.347	0.250	209	238	<b>0.155</b>	<b>0.155</b>	4220
	03/18/05	0.0356	<b>0.0294</b>	0.457	0.282	20.1	<b>6.90</b>	<b>0.0663</b>		446	442	1.61	1.53	<b>0.0315</b>	<b>0.0315</b>	0.364	0.368	1.90	1.31	228	224	0.144	0.144	4160
	05/14/05	0.0301	<b>0.0163</b>	0.366	0.177	19.4	<b>6.45</b>	<b>0.035</b>	0.0742	397	396	1.52	1.42	<b>0.0315</b>	<b>0.0315</b>	0.271	0.260	2.09	1.08	246	235	0.0984	0.0964	3970
	08/18/05	0.143	0.0458	5.07	0.436	304	<b>6.42</b>	0.205	0.151	490	460	4.95	1.18	<b>0.0310</b>		0.417	0.324	1.81	1.17	299	241	<b>0.0775</b>	<b>0.253</b>	4740
	11/08/05	0.0744	0.0274	2.47	0.389	137	<b>3.10</b>	0.104	<b>0.050</b>	481	545	3.16	1.02	<b>0.0310</b>	<b>0.0310</b>	0.222	0.231	1.17	0.800	236	285	<b>0.195</b>	<b>0.0775</b>	5020
	03/10/06	0.130	0.0296	4.73	0.407	324	<b>10.0</b>	0.170	0.0910	522	519	5.03	1.19	<b>0.00250</b>	<b>0.00250</b>	0.358	0.264	2.36	1.41	255	257	<b>0.155</b>	<b>0.155</b>	5130
	05/18/06	0.0510	0.0346	0.675	0.258	30.8	<b>3.10</b>	<b>0.0448</b>	<b>0.0130</b>	439	463	1.57	1.07	<b>0.000475</b>	<b>0.000475</b>	0.234	0.257	1.69	0.867	217	244	<b>0.155</b>	<b>0.155</b>	4220
	08/17/06	0.0710	0.0420	0.977	0.437	67.2	<b>3.10</b>	<b>0.050</b>	<b>0.050</b>	497	529	2.29	1.39	<b>0.000475</b>	<b>0.000475</b>	0.312	0.292	3.05	1.57	266	317	<b>0.155</b>	<b>0.155</b>	4510
	10/27/06	0.106	0.0420	3.03	0.284	209	<b>10.0</b>	<b>0.050</b>	<b>0.0155</b>	427	414	3.63	1.38	<b>0.000475</b>	<b>0.000475</b>	0.448	0.332	3.33	2.01	241	234	<b>0.155</b>	<b>0.155</b>	4260
	03/13/07	0.194	0.0332	7.29	0.336	545	<b>3.10</b>	0.253	<b>0.0155</b>	518	474	8.36	1.26	<b>0.000169</b>	<b>0.000475</b>	0.599	0.386	3.74	1.93	257	227	<b>0.155</b>	<b>0.155</b>	4880
	05/12/07	0.0366	0.0230	1.15	0.497	96.1	31.8	0.105	0.125	2190	2200	2.51	1.80	<b>0.000169</b>	<b>0.000475</b>	1.08	1.14	0.407	0.378	481	481	<b>0.155</b>	<b>0.155</b>	6720
	08/18/07	0.146	0.0308	5.18	0.370	365	<b>10.0</b>	0.154	<b>0.0155</b>	469	425	5.08	0.952	<b>0.00250</b>	<b>0.000475</b>	0.541	0.335	2.34	1.52	219	208	<b>0.155</b>	<b>0.155</b>	4660
	11/10/07	0.130	0.0316	6.10	0.330	239	<b>12.4</b>	0.343	<b>0.0155</b>	472	512	5.02	0.900	<b>0.000406</b>	<b>0.000475</b>	0.419	0.460	2.12	1.60	274	293	<b>0.155</b>	<b>0.342</b>	5460
	<b>Mean</b>	0.0970	0.030	3.05	0.346	191	8.00	0.13	0.062	590	580	4.30	2.10	0.0190	0.0170	0.430	0.380	1.98	1.22	266	268	0.147	0.165	4760
	<b>Median</b>	0.0900	0.0308	2.75	0.353	173	7.00	0.12	0.050	480	460	3.50	1.30	0.00300	0.000000	0.390	0.320	2.00	1.31	251	243	0.155	0.155	4700
	<b>St. Deviation</b>	0.054	0.01	2.29	0.094	156	7	0.089	0.05	460	470	2.9	2.7	0.028	0.03	0.22	0.23	0.99	0.54	68	68	0.028	0.064	700
	<b># of values</b>	14	13	14	14	14	14	14	13	14	14	14	14	14	12	14	14	14	13	14	14	14	14	14
	<b>Minimum</b>	0.0301	0.0155	0.366	0.177	19.4	3.10	0.035	0.013	364	355	1.52	0.900	0.000169	0.000475	0.222	0.231	0.347	0.250	209	208	0.0775	0.0775	3970
	<b>Maximum</b>	0.194	0.0458	7.29	0.497	545	31.8	0.343	0.151	2190	2200	11.7	11.4	0.100	0.1	1.08	1.14	3.74	2.01	481	481	0.195	0.342	6720
	<b>% of values undetected</b>	7%	8%				57%	21%	62%					93%	100%							79%	71%	
	<b># of values between MDL and PQL</b>		2				5	4	1					1		2	2					1	2	
	Key:																							
	<b>Bold Results</b> = Parameter undetected by test, value shown is 1/2 MDL or 1/2 PQL.																							
	If result was not detected at the lab MDL, the value shown is 1/2 MDL.																							
	If flagged U or UJ, the value shown is 1/2 PQL.																							
	<b>Green Results</b> = Estimate result reported by laboratory below reporting limit (PQL).																							
	MDL = Method Detection Limit.																							
	PQL = Practical Quantitation Limit.																							
	NA = Not Applicable																							
	WAD Cyanide = Weak Acid Dissociable Cyanide																							

**2004-2007 Pebble Project Deposit Area Groundwater Laboratory Results Summary  
December 2008**

*Preliminary data. Do not cite or quote.*

Well ID	Sample Date	Silver		Sodium		Thallium		Tin		Vanadium		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
<b>SRK5S</b>													
	09/25/04	<b>0.0031</b>	<b>0.0031</b>	2290	2210	<b>0.0125</b>	<b>0.0125</b>	<b>0.155</b>	<b>0.155</b>	0.450	<b>0.125</b>	<b>1.39</b>	
	10/20/04	0.0752	<b>0.0031</b>	1530	1670	<b>0.0125</b>	<b>0.0125</b>	<b>0.155</b>	<b>0.155</b>	<b>0.125</b>	<b>0.125</b>	<b>0.75</b>	<b>0.235</b>
	03/18/05	<b>0.0014</b>	<b>0.0014</b>	1480	1780	<b>0.0049</b>	<b>0.0021</b>	<b>0.100</b>	<b>0.0302</b>	<b>0.0159</b>	0.0322	<b>0.235</b>	<b>0.638</b>
	05/14/05	<b>0.0014</b>	<b>0.0014</b>	1560	1180	<b>0.0021</b>	<b>0.0021</b>	<b>0.114</b>	<b>0.0302</b>	0.0306	<b>0.0047</b>	<b>0.235</b>	<b>0.50</b>
	08/18/05	<b>0.0031</b>	<b>0.0031</b>	1810	1780	<b>0.0031</b>	<b>0.0031</b>	<b>0.031</b>	<b>0.031</b>	<b>0.314</b>	<b>0.100</b>	<b>0.75</b>	<b>0.75</b>
	11/08/05	<b>0.0031</b>	<b>0.0031</b>	1640	1940	<b>0.0031</b>	<b>0.0031</b>	<b>0.031</b>	<b>0.031</b>	<b>0.100</b>	<b>0.100</b>	<b>0.75</b>	<b>0.75</b>
	03/10/06	<b>0.0031</b>	<b>0.0031</b>	1950	2060	<b>0.0025</b>	<b>0.0025</b>	<b>0.0155</b>	<b>0.0155</b>	<b>0.110</b>	<b>0.110</b>	2.78	3.37
	05/18/06	<b>0.0031</b>	<b>0.0031</b>	1490	1660	<b>0.0025</b>	<b>0.0025</b>	<b>0.0155</b>	<b>0.0155</b>	<b>0.250</b>	<b>0.110</b>	0.616	0.999
	08/17/06	<b>0.0031</b>	<b>0.0031</b>	1710	1900	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.250</b>	<b>0.250</b>	1.63	
	10/27/06	<b>0.0031</b>	<b>0.0031</b>	1610	1600	<b>0.0118</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.250</b>	<b>0.250</b>	<b>0.50</b>	<b>0.155</b>
	03/13/07	<b>0.0104</b>	<b>0.0031</b>	1800	1850	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	1.10	<b>0.475</b>	2.50	<b>0.50</b>
	05/12/07	<b>0.0031</b>	<b>0.0031</b>	3480	3500	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.155</b>	<b>0.155</b>	2.04	<b>0.50</b>
	08/18/07	<b>0.0084</b>	<b>0.0031</b>	1750	1670	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.715</b>	<b>0.155</b>	<b>0.50</b>	<b>0.50</b>
	11/10/07	<b>0.0031</b>	<b>0.0031</b>	1800	2060	<b>0.0050</b>	<b>0.0050</b>	<b>0.050</b>	<b>0.050</b>	<b>0.155</b>	<b>0.155</b>	3.43	1.07
	<b>Mean</b>	0.009	0.0029	1850	1920	0.0060	0.0050	0.070	0.050	0.290	0.153	1.3	0.8
	<b>Median</b>	0.003	0.0031	1730	1820	0.0050	0.0050	0.050	0.050	0.200	0.125	0.75	0.57
	<b>St. Deviation</b>	0.019	0.0006	520	520	0.004	0.003	0.05	0.04	0.3	0.114	1.03	0.84
	<b># of values</b>	14	14	14	14	14	14	14	14	14	14	14	12
	<b>Minimum</b>	0.0014	0.0014	1480	1180	0.0021	0.0021	0.0155	0.0155	0.0159	0.0047	0.235	0.155
	<b>Maximum</b>	0.0752	0.0031	3480	3500	0.0125	0.0125	0.155	0.155	1.10	0.475	3.43	3.37
	<b>% of values undetected</b>	79%	100%			86%	100%	93%	100%	57%	86%	50%	67%
	<b># of values between MDL and PQL</b>	2				2		1		3	1	1	1
		Key:											
		<b>Bold Results</b> = Parameter undetected by test, value shown is 1/2 MDL or 1/2 PQL.											
		If result was not detected at the lab MDL, the value shown is 1/2 MDL.											
		If flagged U or UJ, the value shown is 1/2 PQL.											
		<b>Green Results</b> = Estimate result reported by laboratory below reporting limit (PQL).											
		MDL = Method Detection Limit.											
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