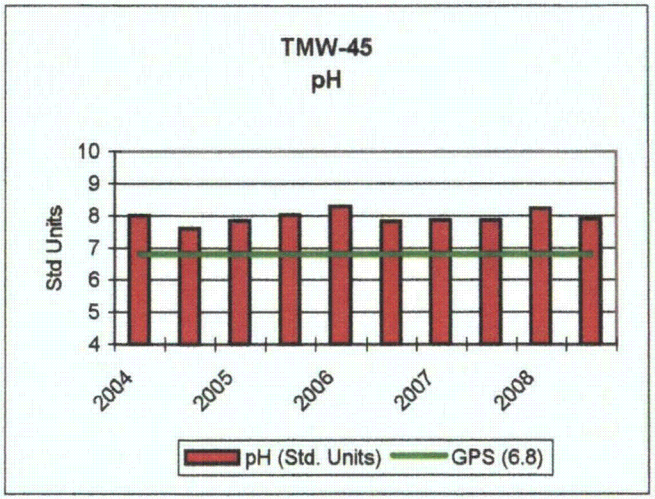
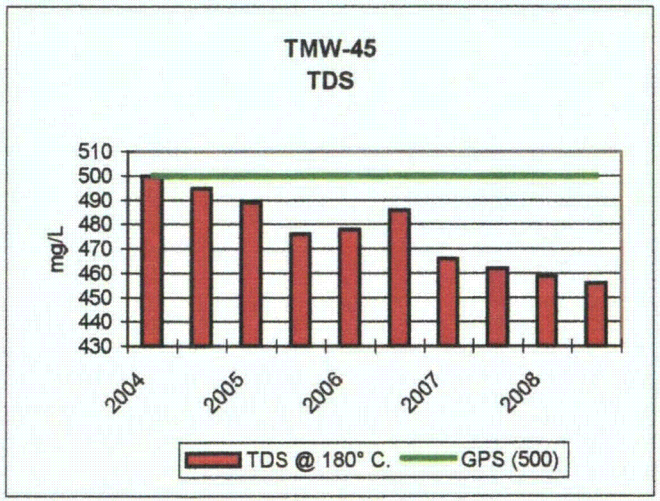
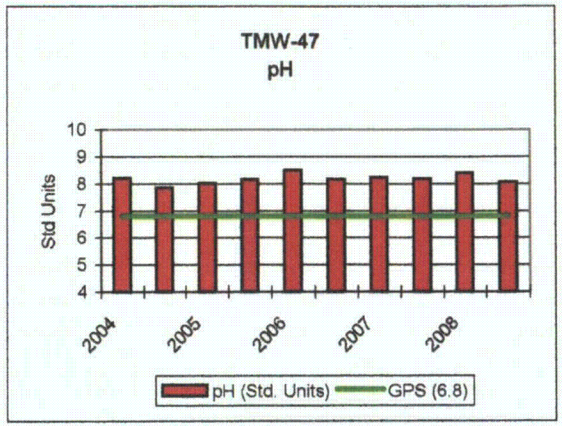
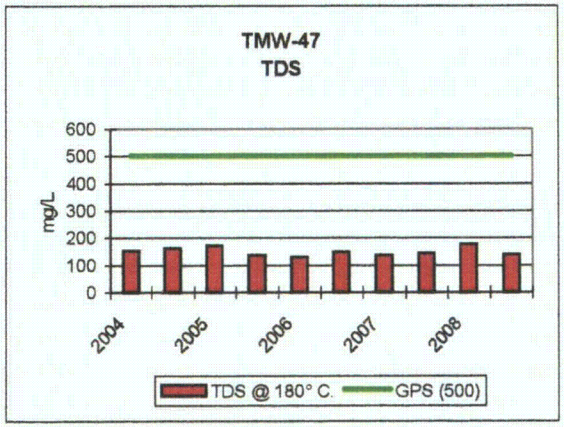
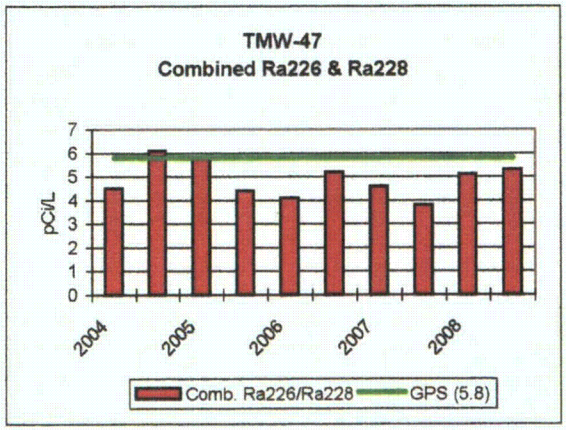

TMW-45
pH
Std Units
10
9
8
7
6
5
4
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)


TMW-45
TDS
mg/L
510
500
490
480
470
460
450
440
430
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

KENNECOTT URANIUM COMPANY											
TMW-47											
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/10/2004	8/3/2004	2/2/2005	8/4/2005	2/2/2006	8/22/2006	2/20/2007	8/17/2007	3/6/2008	8/17/2008
TDS A/C Balance *(dec. %)*		1.05	1.07	1.1	0.85	0.83	0.95	0.85	0.88	1.18	3.63
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		86.7	83	84	81	85	85	80	89	89	83
Arsenic (As)	GPS (.05)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		21.8	20.5	22	22.7	20.2	20	21.3	21.7	19.6	21.7
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		<1	<1	2	3	3	2	2	2	2	<1
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	2	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		259	251	254	254	243	265	246	223	159	218
Cond-Field *(umhos/cm)*		260	200	260	160	194	200	219	219	221	217
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	6.7	6.6	5.6	7	5.3	4.7	3.7	7.3	5.3	5
Bicarbonate (HCO3)		106	101	103	99	101	104	98	108	108	101
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		1.8	1	1.5	1.8	1.4	1.2	1.1	1.3	1.6	1.4
Magnesium (Mg)		<1	0.9	0.9	0.9	0.9	0.7	0.9	0.9	0.7	0.9
Manganese (Mn)	GPS (0.2)	0.02	0.04	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Molybdenum (Mo)		<0.01	<0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		32.2	32.7	35.1	31.4	32	30.9	35.1	33.3	32.8	33
Nickel (Ni)	GPS (.01)	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	4.3
Lead (Pb)		<0.01	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	8.21	7.85	8.02	8.15	8.5	8.16	8.23	8.19	8.4	8.07
pH (Field) *(Std. Units)*		8.7	7.7	7.2	7.9	8.01	7.78	7.48	7.8	8.1	7.9
Radium 226 *(pCi/L)*		4.5	6.1	2.5	4.4	4.1	5.2	4.6	3.8	4.4	5
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	4.5	6.1	5.8	4.4	4.1	5.2	4.6	3.8	5.11	5.3
Radium 228 *(pCi/L)*		<1	<1	3.3	<1	<1	<1	<1	<1	0.71	0.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.9	13	13	14	13	15	15	14	14	18
Sulfate (SO4)		36.7	33	37	38	34	37	39	37	35	36
TDS @ 180° *C.*	**GPS (500)**	154	164	172	136	130	150	138	144	176	139
Temperature *(C)*		8	14	11	12	8.5	13.3	11.6	9	10.6	10.2
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0	0.1
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	0.6	0.3	0.3	0.5	0.9	0.3	0.4	0.3	0.2	0.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

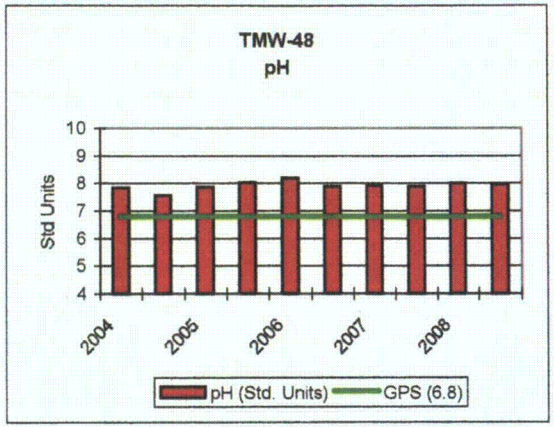

TMW-47
pH
Std Units
10
9
8
7
6
5
4
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

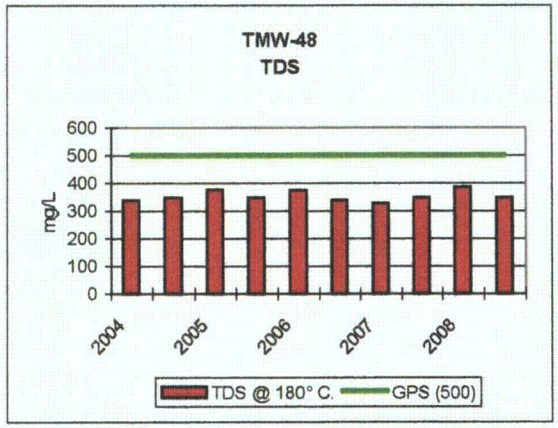

TMW-47
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

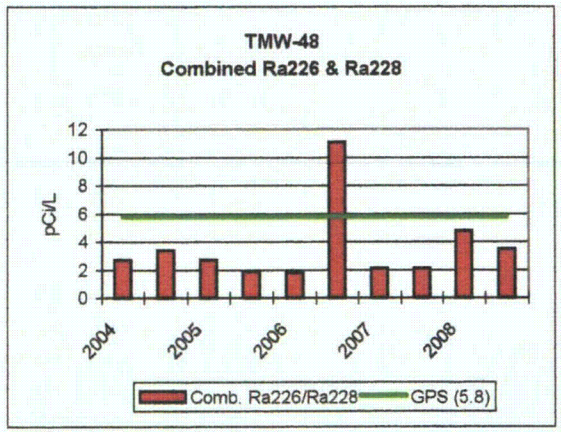

TMW-47
Combined Ra226 & Ra228
pCi/L
7
6
5
4
3
2
1
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

TMW 47.xls

KENNECOTT URANIUM COMPANY											
TMW-48		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	2/10/2004	8/3/2004	2/2/2005	8/4/2005	2/2/2006	8/22/2006	2/21/2007	8/16/2007	3/6/2008	8/13/2008
TDS A/C Balance *(dec. %)*		1.01	1.06	1.1	1.04	0.98	0.93	0.87	0.94	1.95	0.593
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		111	108	109	106	115	112	110	117	115	110
Arsenic (As)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		75.8	71.8	78.1	75	83.6	77.7	81	80.4	76.5	88.6
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		6.9	3	5	5	6	8	5	5	4	5
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		540	508	529	534	570	561	539	526	486	532
Cond-Field *(umhos/cm)*		480	380	500	300	420	500	513	492	495	495
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
Iron (Fe)	GPS (0.6)	0.093	0.1	0.13	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	0.06
Gross Alpha *(pCi/L)*	GPS (15)	5.1	4.1	4.8	2.9	2.4	2.1	2.9	2.3	3.3	2.5
Bicarbonate (HCO3)		135	132	133	129	140	136	134	142	140	135
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		2.7	2.2	2.7	2.4	2.6	2.4	2.4	2.6	3	2.8
Magnesium (Mg)		4.8	4.7	5	4.8	5.5	4.6	5.3	5.2	4.5	5.4
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.07	0.05	0.05	0.04	0.04	0.05	0.04	0.05
Molybdenum (Mo)		<0.01	<0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		30.9	31.5	33.5	30.9	32.3	29.6	34.1	32.8	34.1	33.1
Nickel (Ni)	GPS (.01)	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	2.8	<1	<1	<1	1.8
Lead (Pb)		<0.01	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.84	7.56	7.87	8.03	8.19	7.88	7.92	7.9	8	7.95
pH (Field) *(Std. Units)*		8.2	7.6	7.1	7.3	7.64	7.41	7.14	7.5	7.7	7.5
Radium 226 *(pCi/L)*		2.7	1.8	4.9	1.9	1.8	2.4	2.1	2.1	2.5	1.9
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	2.7	3.4	2.7	1.9	1.8	11.1	2.1	2.1	4.8	3.5
Radium 228 *(pCi/L)*		<1	1.6	1.5	<1	<1	8.7	<1	<1	2.3	1.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.9	15	15	15	15	16	17	15	16	20
Sulfate (SO4)		150	136	147	141	169	160	166	162	150	190
TDS @ 180° C.	**GPS (500)**	340	348	377	350	374	340	328	350	386	348
Temperature *(C)*		8	13	11	11	8.6	12.4	10.1	9.9	9.8	9.9
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	0.3	0.3	0.4	0.5	0.7	0.3	0.4	0.3	0.2	0.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

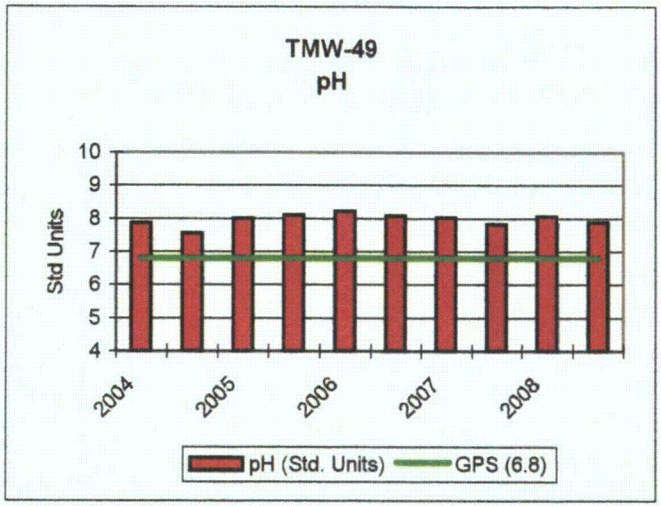

TMW-48
pH
Std Units
10
9
8
7
6
5
4
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

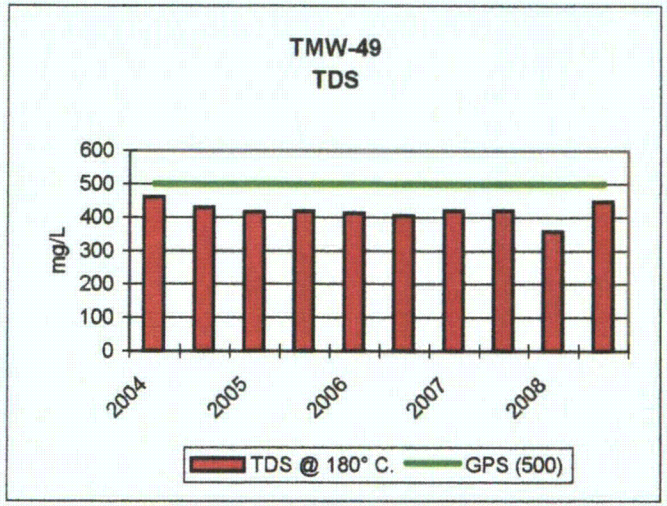

TMW-48
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)


TMW-48
Combined Ra226 & Ra228
pCi/L
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

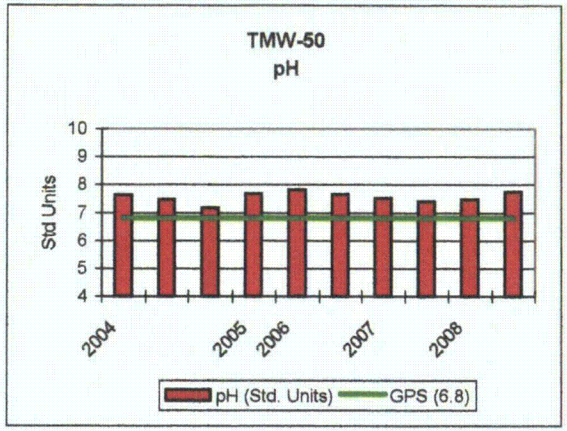
TMW 48.xls

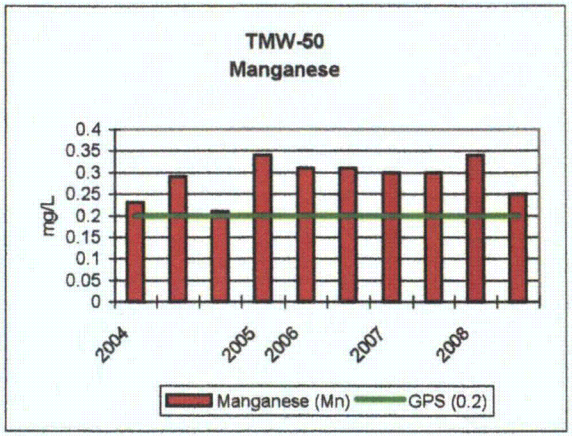
KENNECOTT URANIUM COMPANY											
TMW-49		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/9/2004	9/15/2004	3/1/2005	12/17/2005	3/2/2006	9/5/2006	2/27/2007	9/17/2007	3/18/2008	9/29/2008
TDS A/C Balance *(dec. %)*		1.1	1.1	0.98	0.96	0.98	0.95	0.98	0.94	1.9	6.46
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		110	108	107	108	118	115	107	112	112	105
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		92.9	93.1	92.7	95.3	89.4	90.7	92.9	89.7	85.2	101
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		9.8	7	8	7	6	5	9	7	6	6
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		637	613	649	635	620	669	639	630	613	628
Cond-Field *(umhos/cm)*		460	420	440	440	450	572	597	586	596	565
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
Iron (Fe)	GPS (0.6)	0.057	0.057	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	0.08
Gross Alpha *(pCi/L)*	GPS (15)	1.3	1.3	2.5	<1	1	1.1	1.3	1.9	2.4	2
Bicarbonate (HCO3)		134	132	131	131	143	140	131	136	137	128
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		2.9	2.7	2.9	2.9	2.6	2.8	3.3	2.9	3.3	3
Magnesium (Mg)		4.9	4.9	4.8	5.2	4.8	4.4	4.9	4.9	4.1	5
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		40	39.4	38.7	37.4	38.7	38.9	40.5	38.4	38	40.2
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.6
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.87	7.56	8.01	8.12	8.23	8.09	8.04	7.84	8.07	7.9
pH (Field) *(Std. Units)*		8.8	7.6	7.5	7.39	7.74	7.44	8.13	7.1	7.7	7.3
Radium 226 *(pCi/L)*		1.6	1.6	1.9	0.8	1.6	1.2	1.6	1	1.3	0.97
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1.6	1.6	1.9	0.8	1.6	1.2	3.3	3.5	4.03	2.522
Radium 228 *(pCi/L)*		<1	<1	<1	<1	<1	<1	1.7	2.5	3.1	2.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.3	14	14	16	15	15	16	14	16	20
Sulfate (SO4)		204	203	198	207	194	200	215	221	200	197
TDS @ 180° *C.*	**GPS (500)**	461	431	417	419	412	406	420	420	359	448
Temperature *(C)*		8	13	13	8	12.2	13.9	8.8	10	9.8	10.7
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	1.7	1.7	2.1	0.5	0.5	0.7	0.4	0.5	0.4	3.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ND
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND

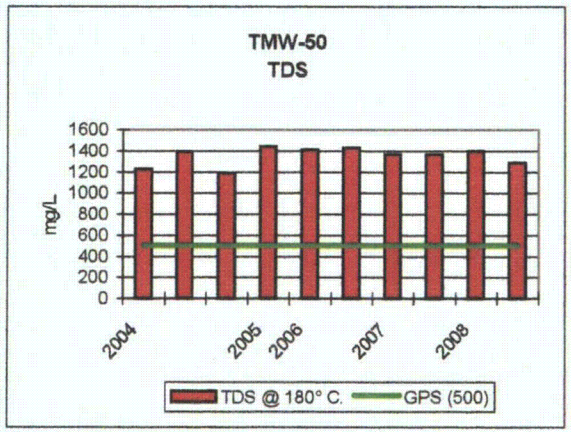

TMW-49
pH
Std Units
10
9
8
7
6
5
4
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

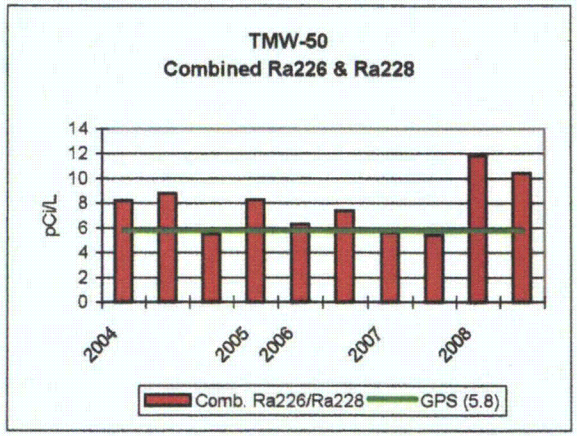

TMW-49
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

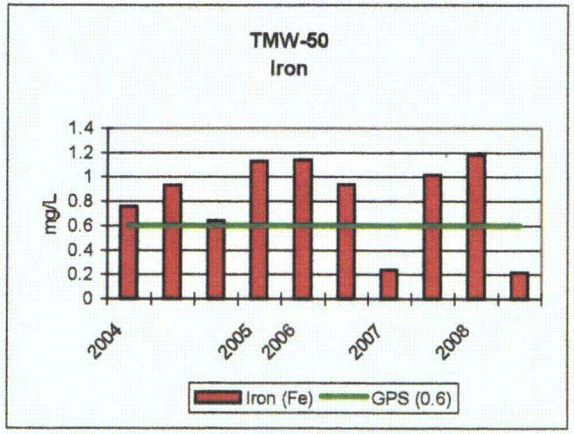
KENNECOTT URANIUM COMPANY											
TMW-50		2004			2005	2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/1/2004	3/9/2004	9/15/2004	12/16/2005	3/2/2006	9/5/2006	2/27/2007	9/12/2007	3/31/2008	9/23/2008
TDS A/C Balance *(dec. %)*		1.03	1.06	1.04	1	1.01	1.01	0.99	0.96	2.37	-0.752
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		195	217	188	232	235	230	210	216	226	197
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		292	311	282	354	330	325	326	326	348	298
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		36	43.1	30	32	36	36	38	36	30	35
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1620	1690	1420	1800	1740	1810	1710	1800	1770	1620
Cond-Field *(umhos/cm)*		900	1020	820	1040	1140	1580	1579	1563	1617	1433
Fluoride (F)		0.1	<0.1	0.2	0.1	0.1	<0.1	0.1	0.1	<0.1	<0.1
Iron (Fe)	**GPS (0.6)**	0.76	0.932	0.64	1.13	1.14	0.94	0.24	1.02	1.18	0.22
Gross Alpha *(pCi/L)*	GPS (15)	8.7	4.1	4.3	3	2.4	2.2	3.1	6.3	3.5	3.7
Bicarbonate (HCO3)		238	265	229	284	287	281	256	263	276	241
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		4.8	5	4.3	4.9	4.8	4.8	5.7	5	5	4.3
Magnesium (Mg)		22.1	27.1	20	31.8	29.9	27.5	27	29.1	31	25.3
Manganese (Mn)	**GPS (0.2)**	0.23	0.29	0.21	0.34	0.31	0.31	0.3	0.3	0.34	0.25
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		59.1	60.6	58.6	63.6	64.2	60.6	66.4	66.1	71.1	55
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.63	7.48	7.17	7.69	7.82	7.66	7.51	7.41	7.47	7.75
pH (Field) *(Std. Units)*		7.1	7.6	7.4	7.09	7.17	7.04	7.53	7.1	7.1	7.2
Radium 226 *(pCi/L)*		4	4.1	2.2	2.4	3.7	2.2	3.1	2.5	4.2	1.9
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	8.2	8.8	5.5	8.3	6.3	7.4	5.6	5.4	11.8	10.4
Radium 228 *(pCi/L)*		4.2	4.7	3.3	5.9	2.6	5.2	2.5	2.9	7.6	8.5
Selenium (Se)	GPS (.01)	0.001	0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001	<0.001
Silica (SiO2)		16	19	17	19	19	18	19	18	19	20.1
Sulfate (SO4)		645	728	616	798	761	802	775	808	804	712
TDS @ 180° C.	**GPS (500)**	1230	1390	1190	1440	1410	1430	1370	1370	1400	1290
Temperature *(C)*		14	8	13	9.2	9.3	12.8	9.5	10.6	9	9.8
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.04	0
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	2.7	3.3	2.5	2.8	3.4	3.4	2.2	3.2	2.7	15.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01


TMW-50
pH
Std Units
10
9
8
7
6
5
4
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

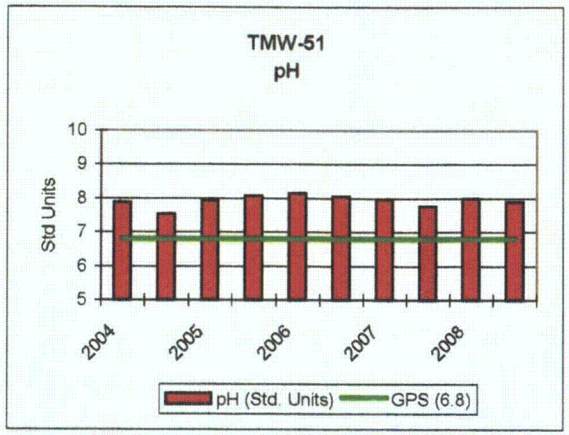

TMW-50
Manganese
mg/L
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2004
2005
2006
2007
2008
Manganese (Mn)
GPS (0.2)

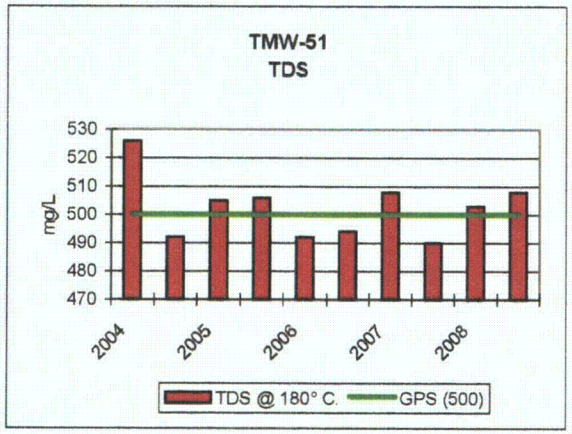

TMW-50
TDS
mg/L
1600
1400
1200
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

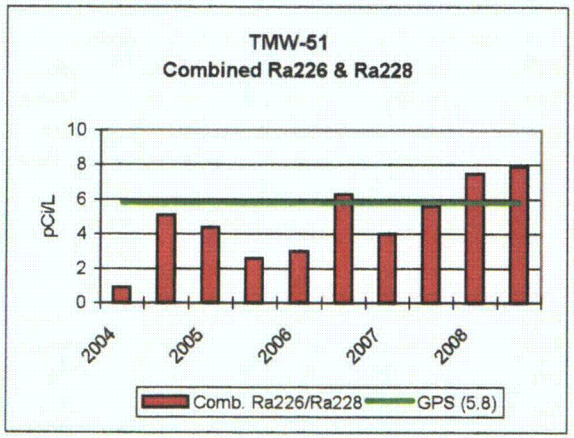

TMW-50
Combined Ra226 & Ra228
pCi/L
14
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)


TMW-50
Iron
mg/L
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2004
2005
2006
2007
2008
Iron (Fe)
GPS (0.6)

KENNECOTT URANIUM COMPANY											
TMW-51		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/11/2004	9/14/2004	3/2/2005	12/16/2005	3/2/2006	9/6/2006	2/28/2007	9/5/2007	3/17/2008	9/23/2008
TDS A/C Balance *(dec. %)*		1.05	0.96	0.99	0.98	0.96	0.94	1.05	0.93	2.48	0.718
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		125	125	125	125	130	135	150	129	131	124
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		113	114	114	116	114	113	116	120	103	112
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		12.3	8	9	6	11	10	8	9	7	8
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		746	714	767	740	731	777	752	728	711	728
Cond-Field *(umhos/cm)*		560	500	500	510	540	700	719	685	683	664
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
Iron (Fe)	GPS (0.6)	0.134	0.15	0.1	<0.05	<0.05	<0.05	<0.05	0.11	0.08	0.05
Gross Alpha *(pCi/L)*	GPS (15)	2.1	1.9	4.1	1.2	1.9	1.4	1.4	1.1	3.4	2.1
Bicarbonate (HCO3)		153	152	152	152	159	165	182	157	159	151
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		3.8	2.9	3.4	3.1	3	3	2.7	3.1	3.5	2.9
Magnesium (Mg)		8.5	8.4	8.4	9	8.6	8.3	7.3	8.8	7.2	8.4
Manganese (Mn)	GPS (0.2)	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.07	0.07
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
Sodium (Na)		40.9	40	39.9	38.1	39.2	37.8	32.3	39.2	39	35
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.88	7.53	7.94	8.08	8.15	8.06	7.98	7.76	8	7.91
pH (Field) *(Std. Units)*		7.5	7.3	7.1	7.53	7.56	7.35	7.62	7.7	7.7	7.6
Radium 226 *(pCi/L)*		0.9	1.8	2.4	1.3	1.6	2	1.6	1.5	1.6	1.5
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	0.9	5.1	4.4	2.6	3	6.3	4	5.6	7.5	7.9
Radium 228 *(pCi/L)*		<1	3.3	2	1.3	1.4	4.3	2.4	4.1	5.9	6.4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14.5	14	15	16	16	16	13	15	15	18.1
Sulfate (SO4)		246	248	246	250	241	259	215	257	244	243
TDS @ 180° C.	**GPS (500)**	526	492	505	506	492	494	508	490	503	508
Temperature *(C)*		8	14	14	9.8	10.6	12.1	9.8	10.1	9.3	10
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	1.8	2.3	2.2	1.8	2	2	1.3	1.8	1.6	13
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

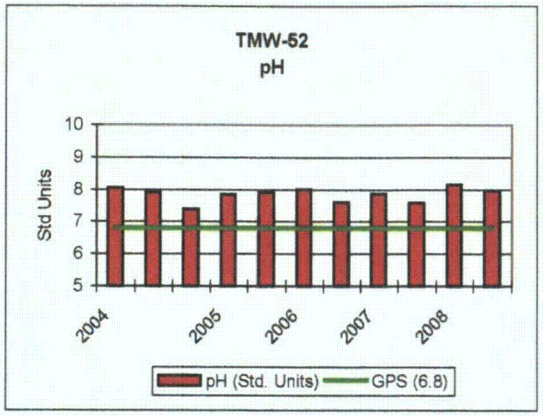

TMW-51
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

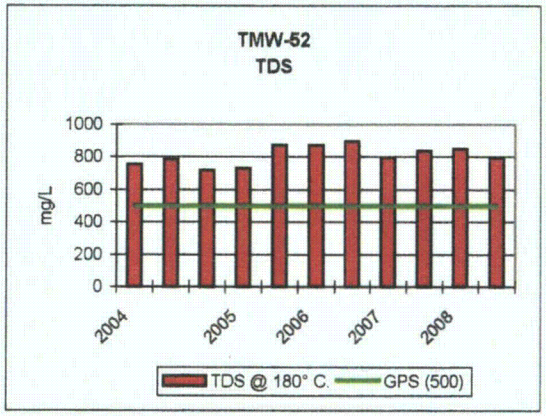

TMW-51
TDS
mg/L
530
520
510
500
490
480
470
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

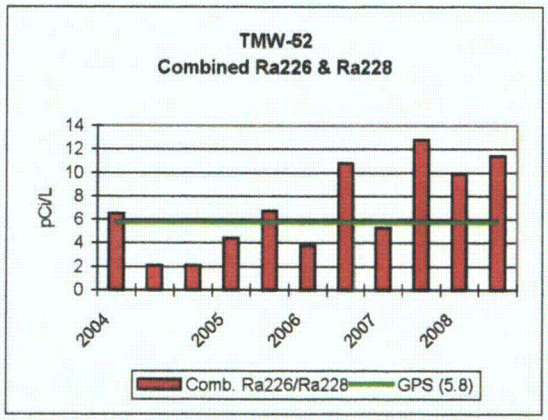

TMW-51
Combined Ra226 & Ra228
pCi/L
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

tmw 51.xls

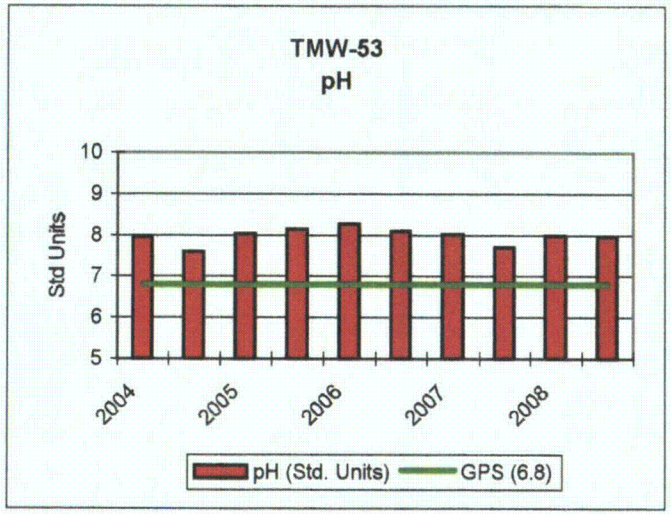
KENNECOTT URANIUM COMPANY												
TMW 52		2004			2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/13/2004	3/11/2004	9/14/2004	3/2/2005	12/16/2005	3/1/2006	9/6/2006	2/28/2007	9/5/2007	3/17/2008	9/23/2008
TDS A/C Balance *(dec. %)*		0.88	1.05	1.01	1.01	0.99	1	1.02	0.96	0.95	2.63	-1.05
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		153	154	147	147	152	158	160	140	159	159	146
Arsenic (As)	GPS (.05)	<0.002	<0.002	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		206	172	164	167	210	203	201	187	206	204	178
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		15.1	15.9	13	15	16	19	19	18	19	17	17
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1050	1060	973	1030	1180	1150	1240	1100	1170	1120	1080
Cond-Field *(umhos/cm)*		800	700	660	680	760	740	1100	1032	1071	1063	983
Fluoride (F)		0.1	0.2	0.2	0.2	0.1	0.1	<0.1	0.1	0.2	0.1	<0.1
Iron (Fe)	GPS (0.6)	0.459	0.409	0.44	0.31	0.22	0.18	0.19	0.18	0.27	0.13	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	3.3	2.5	2.6	3	2.6	3.6	2.3	2.7	5.1	4.9	4.3
Bicarbonate (HCO3)		187	188	179	180	186	192	195	171	194	194	178
Mercury (Hg)		<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		7.9	3.8	3.5	4.1	4.1	4	4.1	4.5	4.1	4.5	3.6
Magnesium (Mg)		14.4	12.7	11.8	12	14.6	13.7	12.8	12.9	13.7	13.2	12.3
Manganese (Mn)	GPS (0.2)	0.1	0.1	0.1	0.09	0.12	0.11	0.12	0.11	0.12	0.15	0.11
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		54.8	53.4	49.6	49.5	51.7	53.5	54.6	54	53.3	52.9	46
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<2.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	8.05	7.92	7.38	7.86	7.91	8.01	7.62	7.87	7.59	8.15	7.97
pH (Field) *(Std. Units)*		8.3	7.2	7.3	7.1	7.23	7.43	7.31	7.52	7.4	7.5	7.4
Radium 226 *(pCi/L)*		3.7	2.1	2.1	2.3	2.6	2.3	2.8	3.2	3.6	2.9	2.5
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	6.5	2.1	2.1	4.4	6.7	3.8	10.8	5.3	12.8	9.9	11.4
Radium 228 *(pCi/L)*		2.8	<1	<1	2.1	4.1	1.5	8	2.1	9.2	7	8.9
Selenium (Se)	GPS (.01)	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16.5	15.2	14	15	17	17	17	17	17	19	18.9
Sulfate (SO4)		471	398	369	371	480	464	480	452	471	447	424
TDS @ 180° *C.*	**GPS (500)**	754	786	720	732	875	872	898	796	838	850	794
Temperature *(C)*		8	8	14	13	9.6	9.9	14.2	9.2	9.9	9.3	10.4
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	6.3	6.2	6.2	5.2	3.5	3.9	3.3	3.7	3.5	2.9	17
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

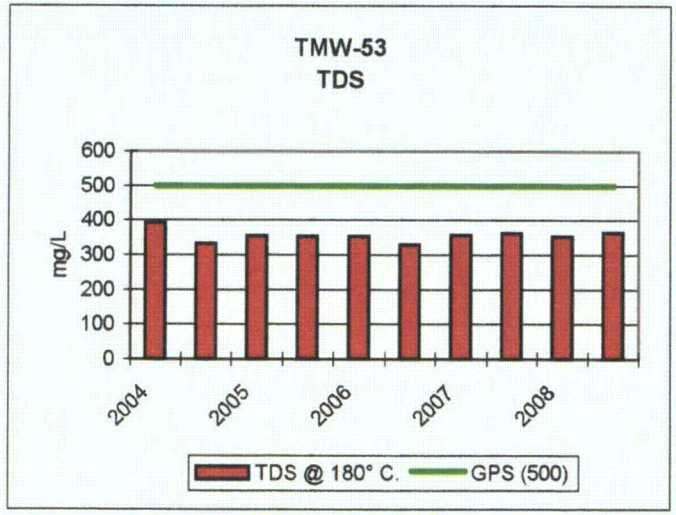

TMW-52
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)


TMW-52
TDS
mg/L
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

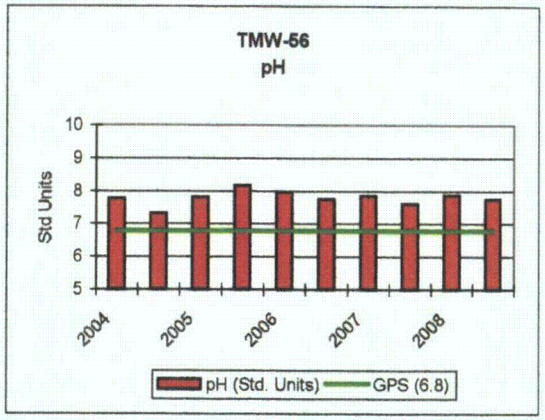

TMW-52
Combined Ra226 & Ra228
pCi/L
14
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

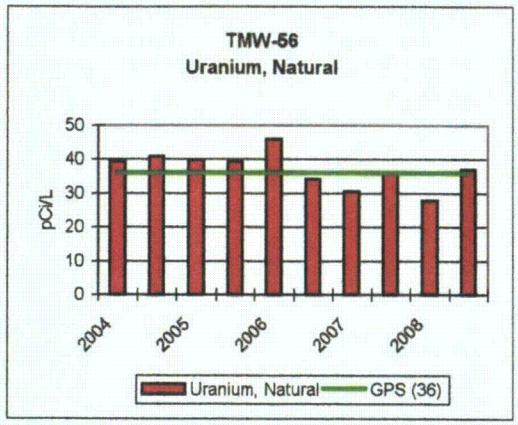
KENNECOTT URANIUM COMPANY											
TMW-53		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/9/2004	9/14/2004	3/2/2005	12/16/2005	3/1/2006	9/5/2006	2/28/2007	9/5/2007	3/17/2008	9/23/2008
TDS A/C Balance *(dec. %)*		1.07	0.92	0.98	0.95	0.98	0.91	0.92	0.93	1.91	1.92
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		102	103	99	100	105	110	103	107	107	100
Arsenic (As)	GPS (.05)	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.002
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		80	72.7	73.7	75.8	72.2	70.3	76.6	78.6	67.3	76.6
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		10.5	5	6	5	7	5	8	6	5	6
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		557	535	560	556	543	592	563	540	711	546
Cond-Field *(umhos/cm)*		440	380	400	430	420	507	529	517	515	503
Fluoride (F)		0.1	0.2	0.2	0.2	0.2	<0.1	0.2	0.2	0.2	0.1
Iron (Fe)	GPS (0.6)	0.308	0.12	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	1.4	1.7	<1	<1	1.1	<1	<1	1.4	1.6	2
Bicarbonate (HCO3)		124	125	121	122	128	134	126	130	131	122
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		2.8	2.3	3.1	2.5	2.3	2.5	2.9	2.6	2.8	2.3
Magnesium (Mg)		3.7	3.4	3.4	3.7	3.4	3.1	3.6	3.7	2.8	3.6
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		39.7	41.1	40.6	39.6	42	39.9	43.1	41.6	41	37.6
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.96	7.6	8.04	8.15	8.27	8.11	8.03	7.71	8	7.98
pH (Field) *(Std. Units)*		7.3	7.9	7.1	7.53	7.57	7.36	7.45	7.4	7.8	7.7
Radium 226 *(pCi/L)*		1	0.5	1.3	0.7	1.6	0.7	1.2	0.5	1.1	1.2
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	1	0.5	2.6	0.7	1.6	0.7	1.2	3.3	4.3	3.2
Radium 228 *(pCi/L)*		<1	<1	1.3	<1	<1	<1	<1	2.8	3.2	2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		15.6	14	15	16	15	15	15	15	15	19
Sulfate (SO4)		169	160	162	170	157	162	180	178	160	164
TDS @ 180° C.	**GPS (500)**	394	333	355	354	354	330	358	364	354	366
Temperature *(C)*		8	14	13	6.3	9.8	13.6	9	10.4	9.4	9.9
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	0.1
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	0.5	1.6	0.5	0.4	0.7	0.9	0.3	1	0.3	18.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

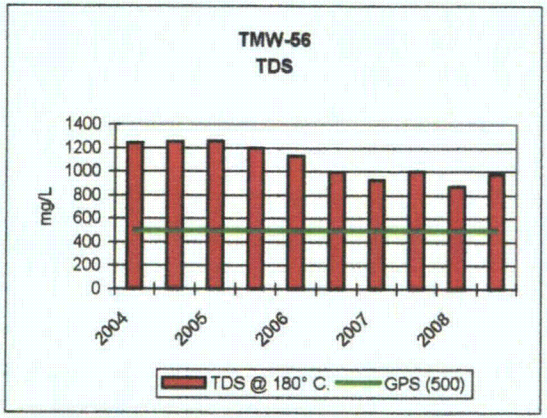

TMW-53
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

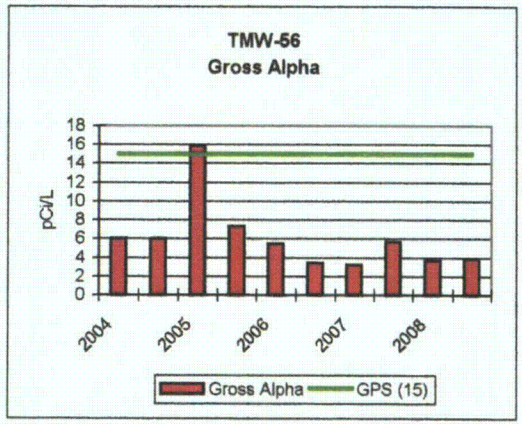

TMW-53
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

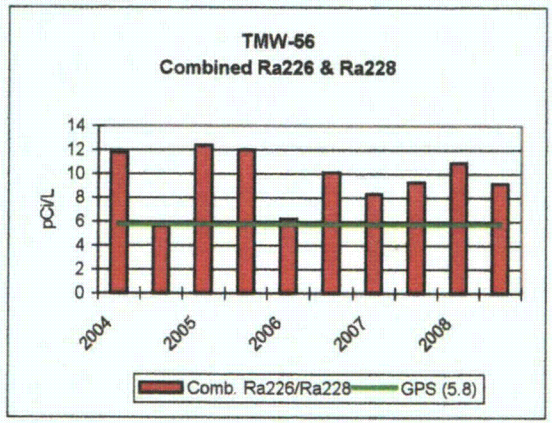
KENNECOTT URANIUM COMPANY											
TMW-56		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/11/2004	9/15/2004	3/2/2005	12/22/2005	3/2/2006	9/11/2006	2/28/2007	9/17/2007	3/12/2008	9/30/2008
TDS A/C Balance *(dec. %)*		1.09	1.07	1.06	1.08	1.03	0.98	0.98	0.97	3.93	4.22
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		91.9	92	90	90	100	91	90	95	98	90
Arsenic (As)	GPS (.05)	0.02	0.021	0.02	0.022	0.016	0.017	0.019	0.018	0.017	0.017
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		267	280	283	239	256	229	209	218	193	230
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		40.9	35	46	46	43	36	31	36	33	34
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1530	1450	1600	1510	1450	1410	1240	1380	1220	1290
Cond-Field *(umhos/cm)*		920	800	980	970	940	1217	1158	1212	1150	1165
Fluoride (F)		0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Iron (Fe)	GPS (0.6)	0.093	0.12	0.13	0.13	<0.05	<0.05	0.05	<0.05	0.08	0.07
Gross Alpha *(pCi/L)*	**GPS (15)**	6	6	15.9	7.3	5.5	3.4	3.2	5.7	3.7	3.9
Bicarbonate (HCO3)		112	113	110	110	122	111	110	116	119	110
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		5.8	4.7	5.5	4.6	4.6	4.5	4.8	4.7	4.6	4.6
Magnesium (Mg)		21.1	21.1	22	19	21.3	18.5	17.3	18.6	15.3	18.2
Manganese (Mn)	GPS (0.2)	0.14	0.14	0.14	0.14	0.13	0.13	0.1	0.11	0.1	0.11
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		59.6	59.9	59.4	50.4	58.8	56.1	53.5	54.6	50	55
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.77	7.33	7.81	8.17	7.97	7.75	7.86	7.61	7.87	7.76
pH (Field) *(Std. Units)*		7.4	7.5	6.7	7.39	7.43	7.21	7.09	7.4	7.5	7.4
Radium 226 *(pCi/L)*		4.1	2.4	5.9	3.6	3.6	2.5	4.7	2.7	3.4	2.4
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	11.8	5.6	12.4	12	6.2	10.1	8.3	9.3	10.9	9.2
Radium 228 *(pCi/L)*		7.7	3.2	6.5	8.4	2.6	7.6	3.6	6.6	7.5	6.8
Selenium (Se)	GPS (.01)	0.002	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		9.1	9	9	10	10	10	10	9	9	11.3
Sulfate (SO4)		691	705	716	683	651	609	567	629	546	551
TDS @ 180° *C.*	**GPS (500)**	1240	1250	1260	1200	1130	996	928	1000	873	980
Temperature *(C)*		8	11	12	9.1	11.2	13.3	9.2	10.9	9.1	10
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	**GPS (36)**	39.4	40.9	39.8	39.4	45.9	34.2	30.5	36.2	27.9	37
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-56
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

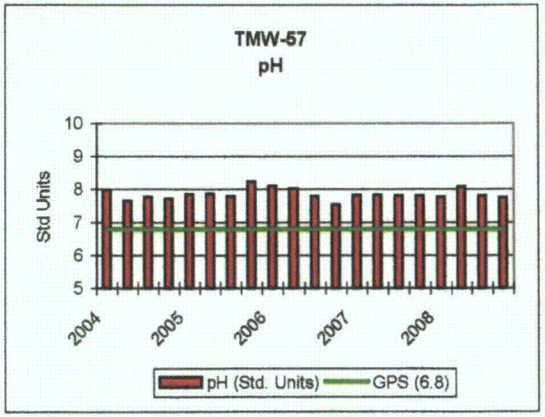

TMW-56
Uranium, Natural
pCi/L
50
40
30
20
10
0
2004
2005
2006
2007
2008
Uranium, Natural
GPS (36)

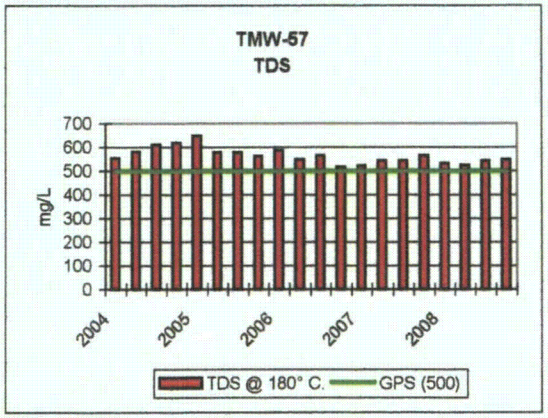

TMW-56
TDS
mg/L
1400
1200
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

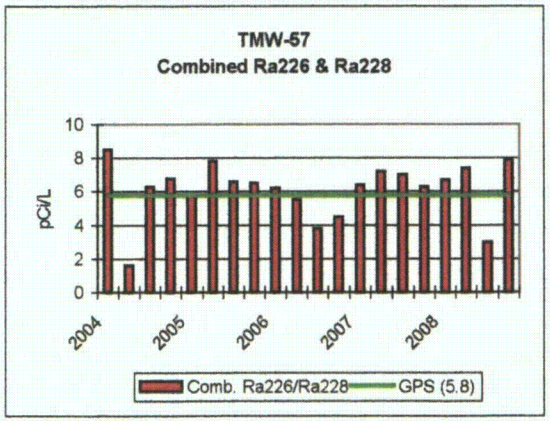

TMW-56
Gross Alpha
pCi/L
18
16
14
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Gross Alpha
GPS (15)


TMW-56
Combined Ra226 & Ra228
pCi/L
14
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

KENNECOTT URANIUM COMPANY																					
TMW-57		2004				2005				2006				2007				2008			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/5/2004	4/5/2004	7/12/2004	10/7/2004	1/5/2005	4/6/2005	7/11/2005	11/8/2005	1/11/2006	4/10/2006	7/3/2006	10/5/2006	2/12/2007	4/4/2007	7/22/2007	10/1/2007	1/13/2008	4/23/2008	7/28/2008	10/14/2008
TDS A/C Balance *(dec. %)*		0.96	0.99	1.02	0.99	1.09	0.98	0.99	0.99	1.02	0.98	0.99	0.94	0.94	1	0.96	1.07	0.006	0.557	3.26	2.76
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		107	106	108	109	122	107	109	110	108	115	104	109	112	111	110	116	111	109	112	109
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		135	134	130	140	129	128	132	125	126	123	119	122	120	122	121	111	116	124	115	125
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		9.4	14	15	17	13	15	13	12	13	15	19	14	14	14	14	17	14	13	13	12
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		0.007	0.01	0.005	0.005	0.007	0.004	0.004	0.004	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.001	0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		844	849	816	842	846	866	861	828	812	790	806	789	786	792	798	814	785	768	788	775
Cond-Field *(umhos/cm)*		700	680	720	580	840	620	600	550	650	540	774	766	750	746	773	762	736	755	778	721
Fluoride (F)		0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	<0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Iron (Fe)	GPS (0.6)	<0.05	0.442	<0.05	<0.05	0.11	0.09	0.4	0.21	0.48	<0.05	0.09	0.06	<0.05	0.09	<0.05	<0.05	0.06	0.06	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	3.5	3	2.1	1.3	2.9	1.6	5.4	2.7	2.7	3.8	<1	2.4	2.2	2.6	2.7	3.9	4.3	3.1	2.6	2.1
Bicarbonate (HCO3)		131	129	132	133	149	131	133	134	131	140	126	132	137	135	140	141	136	133	136	133
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		3.2	3.9	3	3.4	3.2	3.5	3.2	3.1	3.1	3.1	3.2	3.2	3.4	3.5	3.3	3.6	3.4	3.3	2.5	3.2
Magnesium (Mg)		9.9	10.2	10	10.2	9.6	8.8	9.6	9.2	9.5	8.7	8.2	8.8	8.6	8	8.8	7.5	9	9.2	6.5	8.7
Manganese (Mn)	GPS (0.2)	0.13	0.15	0.12	0.13	0.12	0.1	0.11	0.111	0.11	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.1	0.09	0.09
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		41	41.5	43	46	42.3	38.2	42.4	42.9	41.8	40.3	42.5	41.8	41.4	39.8	42.2	39.3	39.9	40.2	39.9	39.2
Nickel (Ni)	GPS (.01)	<0.01	0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<2.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.99	7.66	7.77	7.72	7.85	7.87	7.79	8.24	8.11	8.03	7.8	7.53	7.83	7.84	7.82	7.81	7.77	8.09	7.82	7.75
pH (Field) *(Std. Units)*		6.9	6.8	7.1	6.9	6.7	6.8	6.8	7.06	7.38	7.5	7.39	7.35	7.68	7.67	7.7	7.5	7.9	7.4	7.4	7.4
Radium 226 *(pCi/L)*		2	1.6	2.6	1.9	1.8	2.1	2.2	2.3	2.5	1.6	1.5	1.7	1.9	2.3	3	1.6	2.4	2.1	1.9	2.3
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	8.5	1.6	6.3	6.8	5.7	7.8	6.6	6.5	6.2	5.5	3.8	4.5	6.4	7.2	7	6.3	6.7	7.4	3	7.9
Radium 228 *(pCi/L)*		6.5	<1	3.7	4.9	3.9	5.7	4.4	4.2	3.7	3.9	2.3	2.8	4.5	4.9	4	4.7	4.3	5.3	1.1	5.6
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		14	13.5	14	15	15	14	15	15	14	15	16	14	14	16	13	15	16	8	7	17.7
Sulfate (SO4)		315	320	316	329	312	316	306	294	302	287	298	279	285	274	297	265	276	302	289	275
TDS @ 180° C.	**GPS (500)**	554	581	610	618	648	578	578	563	586	550	564	516	522	544	542	566	532	523	542	550
Temperature *(C)*		6	14	20	12	8	13	19	8.8	9	12.3	17.9	13.8	8.4	12.5	15	15.1	7.1	14.6	17.8	12.6
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1	0	0.1
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	5.9	6.6	4.8	4.9	4.5	4.5	4.3	4.1	5.6	4.1	3.4	3.7	3.9	3.7	3.8	3.6	3.4	3.7	3.4	3.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	0.02	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

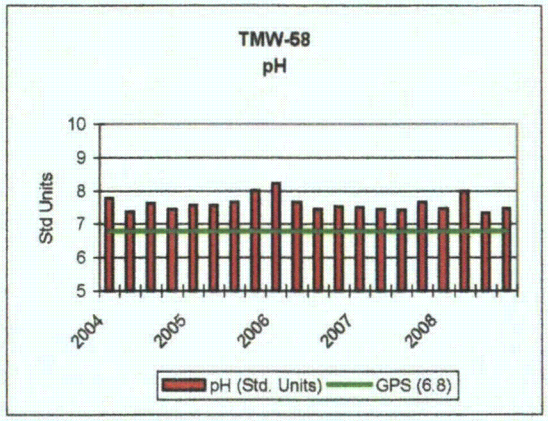

TMW-57
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

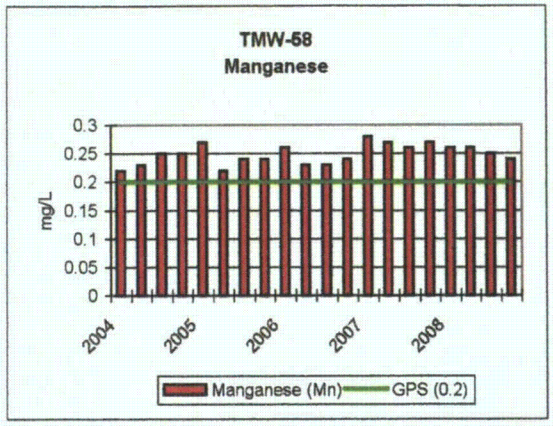

TMW-57
TDS
mg/L
700
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

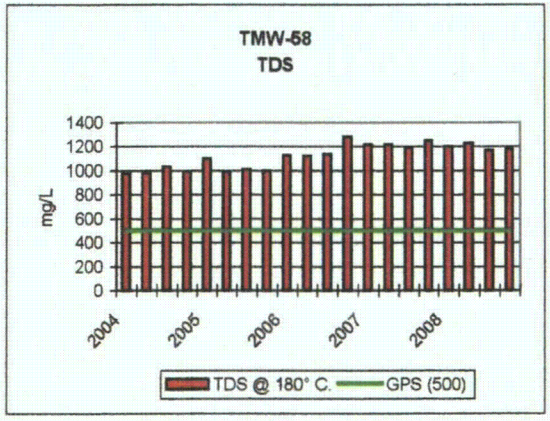

TMW-57
Combined Ra226 & Ra228
pCi/L
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

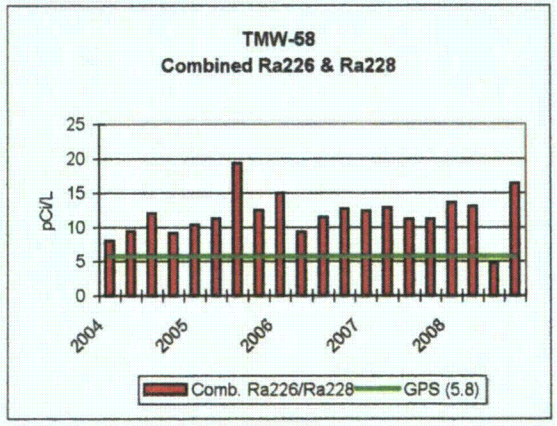
Graphs

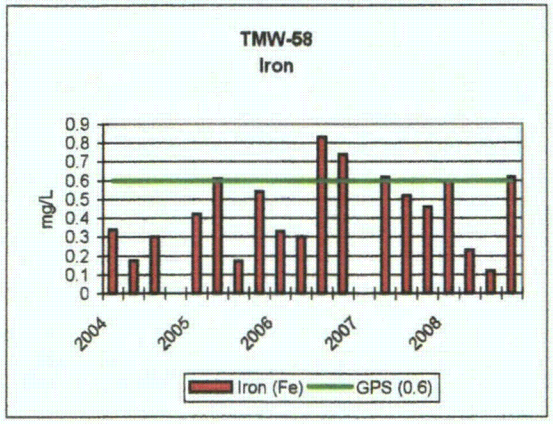
KENNECOTT URANIUM COMPANY																						
TMW-58		2004				2005				2006				2007				2008				
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/5/2004	4/5/2004	7/12/2004	10/7/2004	1/5/2005	4/6/2005	7/11/2005	11/8/2005	1/11/2006	4/10/2006	7/3/2006	10/5/2006	2/12/2007	4/4/2007	7/22/2007	10/1/2007	1/13/2008	4/23/2008	7/28/2008	10/14/2008
TDS A/C Balance *(dec. %)*		0.94	1.02	1.03	1.03	1.09	0.99	1.07	0.99	1.11	1.01	1.05	1.11	0.98	1.07	0.98	1.11	4.29	0.024	2.75	-1.05
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		156	163	158	154	167	161	161	165	180	189	192	201	194	198	200	202	194	182	192	190
Arsenic (As)	GPS (.05)	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		242	229	228	224	235	227	220	230	238	246	253	277	290	268	281	255	255	296	276	278
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		51	28.8	29	28	28	33	35	32	31	40	36	38	44	39	40	41	40	46	39	34
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		0.006	0.005	0.006	0.006	0.008	0.004	0.004	0.004	0.006	0.003	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1310	1320	1270	1310	1370	1360	1350	1360	1420	1420	1510	1530	1610	1610	1570	1680	1590	1580	1560	1590
Cond-Field *(umhos/cm)*		1040	900	1800	800	1240	820	820	840	1020	920	1384	1475	1498	1492	1512	1464	1418	1521	1508	1416
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	<0.1	0.1	0.1
Iron (Fe)	**GPS (0.6)**	0.34	0.175	0.3	<0.05	0.42	0.61	0.17	0.54	0.33	0.3	0.83	0.74	<0.05	0.62	0.52	0.46	0.6	0.23	0.12	0.62
Gross Alpha *(pCi/L)*	GPS (15)	5.3	5.6	4.5	2.8	5.4	3.5	11.5	8	5	5.5	5.7	5.1	4.8	4.3	4.7	7.7	9.4	7.2	3.9	2.9
Bicarbonate (HCO3)		190	199	193	188	204	197	196	201	220	230	234	246	237	242	240	246	236	222	234	231
Mercury (Hg)		<0.0004	<0.0004	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		5	5.3	4	4.2	4.3	4.4	3.9	4.4	4	4.7	4.4	4.5	5	4.5	4.7	5.2	4.8	4.8	3.2	4.5
Magnesium (Mg)		24	19.2	20	19.6	20.6	18.2	19.1	20	20.7	22	19.4	22.4	24	22.1	22.8	19.9	19	24.1	18.6	21.8
Manganese (Mn)	**GPS (0.2)**	0.22	0.23	0.25	0.25	0.27	0.22	0.24	0.24	0.26	0.23	0.23	0.24	0.28	0.27	0.26	0.27	0.26	0.26	0.25	0.24
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		50	52.2	55	54.9	54.2	45.3	54.8	55.4	54.4	53.2	58.2	60.3	61.2	56.1	61	58.9	55.2	59	58.6	57
Nickel (Ni)	GPS (.01)	<0.01	<0.01	0.02	<0.01	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<2.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2.6	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.78	7.38	7.62	7.46	7.56	7.57	7.66	8.01	8.23	7.67	7.45	7.53	7.51	7.46	7.44	7.67	7.47	7.99	7.33	7.48
pH (Field) *(Std. Units)*		6.4	6.4	6.6	6.6	6.5	6.8	6.5	7.04	6.99	7.26	7	6.99	7.28	7.26	7.1	7.1	7.2	7.1	7	7
Radium 226 *(pCi/L)*		3.2	3	4.5	3.2	2.6	2.2	6.5	5	3.8	3.2	3	4	4.4	4.3	3.8	0.9	4.6	3.5	3.4	2.9
Combined Ra226/228 *(pC*	**GPS (5.8)**	8	9.4	12	9.1	10.4	11.3	19.3	12.5	15	9.3	11.5	12.7	12.4	12.9	11.2	11.2	13.6	13.1	4.8	16.4
Radium 228 *(pCi/L)*		4.8	6.4	7.5	5.9	7.8	9.1	12.8	7.5	11.2	6.1	8.5	8.7	8	8.6	7.4	10.3	9	9.6	1.4	13.5
Selenium (Se)	GPS (.01)	0.002	0.003	0.003	0.003	0.003	0.001	0.001	0.001	0.001	<0.001	<0.001	0.001	0.003	<0.001	0.001	0.001	<0.001	0.004	0.001	<0.001
Silica (SiO2)		16	14.2	15	15	15	14	14	15	14	17	16	16	15	15	14	16	16	7	7	17.1
Sulfate (SO4)		573	530	550	523	554	561	503	554	549	613	587	615	685	614	673	608	642	697	673	669
TDS @ 180° C.	**GPS (500)**	978	982	1030	992	1100	993	1010	1000	1130	1120	1140	1280	1220	1220	1190	1250	1200	1230	1170	1180
Temperature *(C)*		6	17	28	12	8	13	23	9.7	8.5	13	23.5	16.2	7.7	14.7	21.7	18.9	7	13.2	17.3	12.2
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	15.4	14.9	15.7	14.4	16.5	13.2	15.1	13.1	16.2	11.8	11.6	12.4	18.1	14	13.7	13.3	13.1	18	12.4	11.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1
Zinc (ZN)		0.01	0.01	0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.02	<0.01	0.02	<0.01	<0.01


TMW-58
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)


TMW-58
Manganese
mg/L
0.3
0.25
0.2
0.15
0.1
0.05
0
2004
2005
2006
2007
2008
Manganese (Mn)
GPS (0.2)

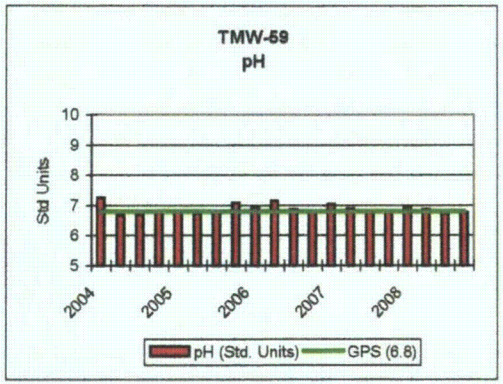

TMW-58
TDS
mg/L
1400
1200
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

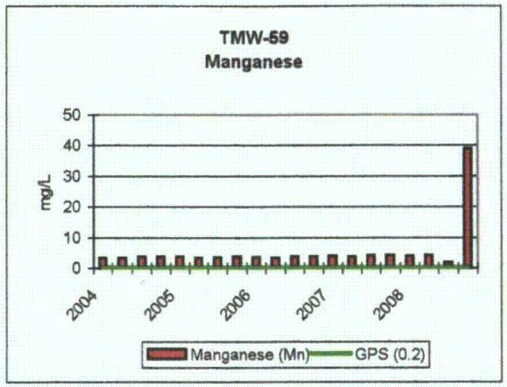

TMW-58
Combined Ra226 & Ra228
pCi/L
25
20
15
10
5
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

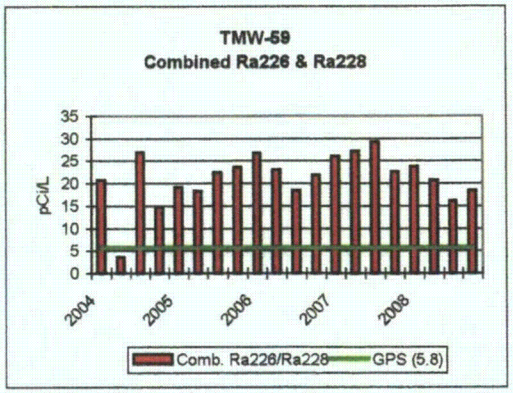

TMW-58
Iron
mg/L
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2004
2005
2006
2007
2008
Iron (Fe)
GPS (0.6)

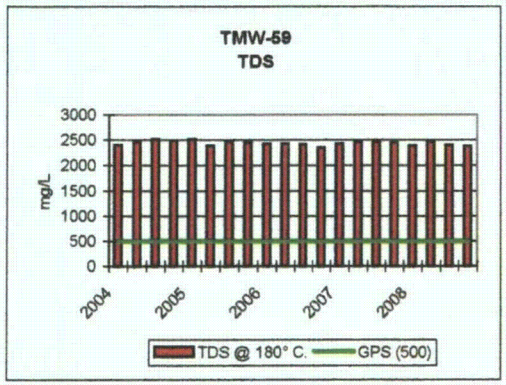
Graphs

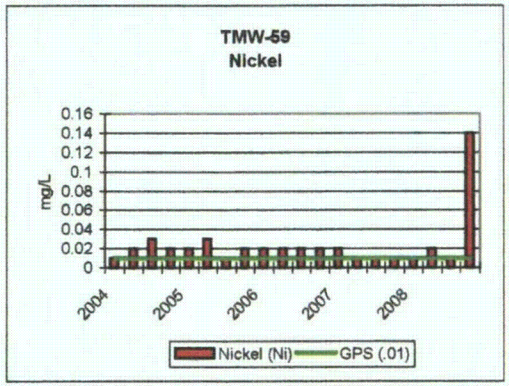
KENNECOTT URANIUM COMPANY																					
TMW-59		2004				2005				2006				2007				2008			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/5/2004	4/6/2004	7/12/2004	10/7/2004	1/5/2005	4/6/2005	7/11/2005	11/7/2005	1/11/2006	4/10/2006	7/3/2006	10/5/2006	1/25/2007	4/11/2007	7/22/2007	10/1/2007	1/13/2008	4/14/2008	7/30/2008	10/14/2008
TDS A/C Balance *(dec. %)*		0.93	1.03	1.08	1.06	1.09	1.07	1.06	1.12	1.15	1.01	1.1	1.03	1.03	1.06	1.09	1.11	2.1	0.189	2.75	-4.72
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		275	310	244	251	244	246	257	305	262	305	246	231	318	302	280	256	274	232	280	250
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.003
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3
Boron (B)		0.12	<0.1	0.1	0.1	<0.1	0.1	<0.1	0.1	0.1	0.1	<0.1	0.1	0.1	0.1	0.1	<0.1	<0.1	0.7	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		594	564	513	538	530	491	518	465	489	548	480	521	532	531	497	481	473	510	502	496
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		132	96.1	91	94	95	91	88	82	80	96	78	82	88	90	87	87	82	90	76	80
Cyanide (CN)		<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		0.13	0.13	<0.01	0.013	0.013	0.013	0.012	0.014	0.013	0.11	0.012	0.012	0.012	0.013	0.013	0.013	0.012	0.012	0.012	0.104
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ND
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Cond *(umhos/cm)*		2880	2810	2780	3240	2740	2790	2780	2850	2750	2800	2820	2810	2780	2840	2830	2980	2840	2750	2790	2820
Cond-Field *(umhos/cm)*		1680	1360	1700	1260	240	1660	1340	1530	1720	1450	307	290	296	300	300	291	2920	2880	2940	2800
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Iron (Fe)	**GPS (0.6)**	56	43.5	45.1	38	45.6	47.2	45.9	45.6	42.4	48.4	51.2	47.8	45.8	46.6	46	52.2	48.8	52.5	52.7	50.8
Gross Alpha *(pCi/L)*	**GPS (15)**	10.7	11.2	10.7	4.5	6.6	4.9	22.8	8.8	9.3	10.2	4.9	6.4	4.3	10.3	6.5	14.2	17.9	15.8	7.1	4.9
Bicarbonate (HCO3)		336	378	297	306	298	300	313	372	320	372	300	281	388	368	350	312	334	283	342	305
Mercury (Hg)		<0.0004	<0.0004	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		8.4	8.2	7	7.5	7.7	7.9	7.1	6.9	6.8	7.1	8.2	7.4	8	7.6	7.2	8.1	7.8	6.7	9.2	7.4
Magnesium (Mg)		86	68.6	69	71.1	69.1	63.9	69.5	66.5	63.3	71	64.1	70.2	68.4	67.9	67.3	64	62.5	70.7	73.4	69.7
Manganese (Mn)	**GPS (0.2)**	3.41	3.45	3.7	3.78	3.79	3.35	3.65	3.8	3.63	3.42	3.75	3.9	3.97	3.83	4.12	4.14	4.02	4.2	1.81	39
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		88	95	99	99.6	94.9	87.7	97.7	92	90.4	91.6	93	101	94.4	91.4	95.9	94.5	87.1	85	105	93
Nickel (Ni)	**GPS (.01)**	0.01	0.02	0.03	0.02	0.02	0.03	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.14
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<2.7	<1	<1	<1	<1	<1	<1	<1	8.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.26	6.67	6.7	6.81	6.81	6.74	6.83	7.08	6.96	7.14	6.87	6.83	7.04	6.88	6.82	6.82	6.96	6.87	6.74	6.76
pH (Field) *(Std. Units)*		6.4	6.1	6.8	6.6	6.2	6.1	6.3	6.59	6.71	7.11	6.57	6.6	6.49	6.82	6.7	6.7	6.8	6.7	6.6	6.7
Radium 226 *(pCi/L)*		5.6	3.6	7	2.9	3.4	3.7	8.6	7.2	5.7	4.5	3.7	5.2	9.1	5.3	8.2	4.1	7.2	2.5	2.7	0.24
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	20.7	3.6	26.9	14.9	19.2	18.3	22.5	23.6	26.8	23	18.4	21.9	26	27.2	29.2	22.6	23.7	20.8	16.1	18.44
Radium 228 *(pCi/L)*		15.1	<1	19.9	12	15.8	14.6	13.9	16.4	21.1	18.5	14.7	16.7	16.9	21.9	21	18.5	16.5	18.3	13.4	18.2
Selenium (Se)	GPS (.01)	<0.005	<0.005	0.003	0.003	0.002	0.002	<0.001	0.001	<0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.001	<0.001	0.001	<0.001	0.001
Silica (SiO2)		21	18.5	19	20	19	17	19	19	16	20	18	18	18	18	17	18	17	9	9.8	19.5
Sulfate (SO4)		1510	1370	1400	1460	1350	1340	1360	1260	1200	1380	1300	1350	1340	1340	1320	1290	1370	1440	1450	1480
TDS @ 180° C.	**GPS (500)**	2400	2470	2520	2490	2520	2390	2470	2450	2430	2430	2410	2350	2420	2470	2470	2450	2390	2460	2400	2370
Temperature *(C)*		6	11	14	13	9	11	15	9.9	8.7	10.3	14.2	12.5	7.3	8.4	13.5	12	8.1	11.3	15.4	9.9
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	4.9	4.9	5.1	4.7	5.1	5.1	5.6	7	6.7	8.3	6.9	6.6	6.1	6.2	7.4	7.4	6.7	7.1	6.6	7.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.05

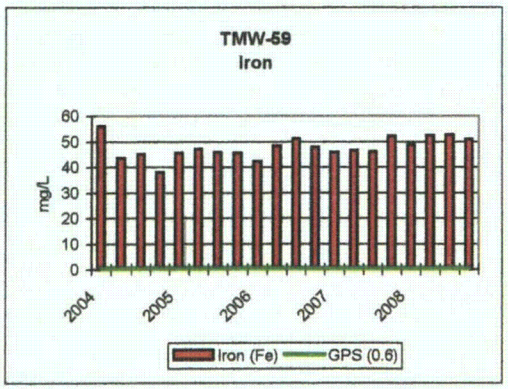

TMW-59
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

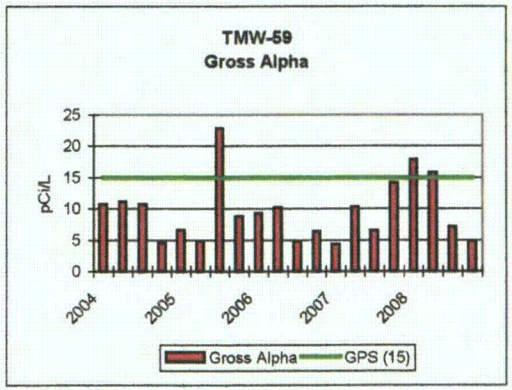

TMW-59
Manganese
mg/L
50
40
30
20
10
0
2004
2005
2006
2007
2008
Manganese (Mn)
GPS (0.2)


TMW-59
Combined Ra226 & Ra228
pCi/L
35
30
25
20
15
10
5
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

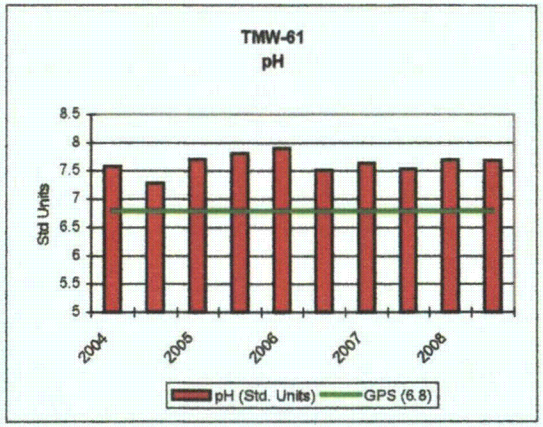

TMW-59
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

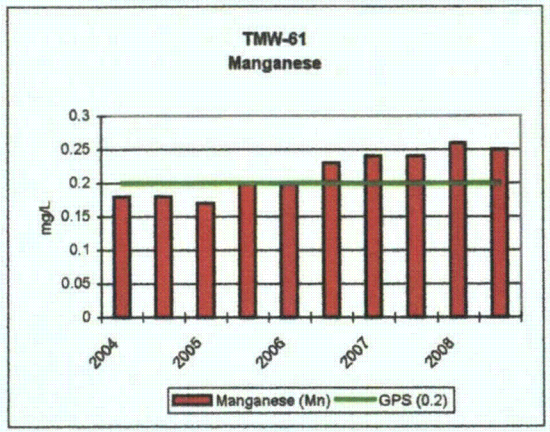

TMW-59
Nickel
mg/L
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2004
2005
2006
2007
2008
Nickel (Ni)
GPS (.01)

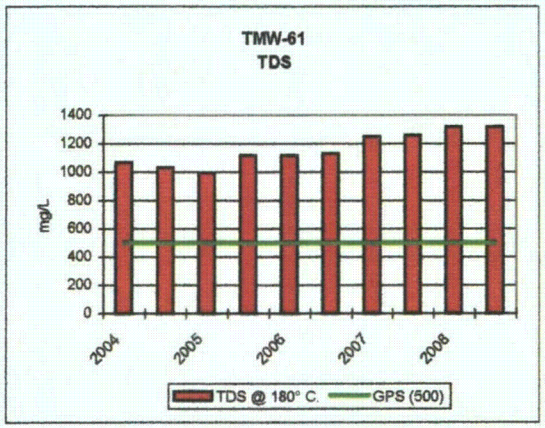

TMW-59
Iron
mg/L
60
50
40
30
20
10
0
2004
2005
2006
2007
2008
Iron (Fe)
GPS (0.6)

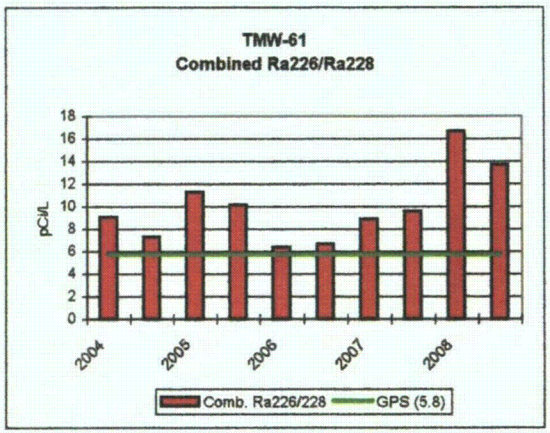

TMW-59
Gross Alpha
pCi/L
25
20
15
10
5
0
2004
2005
2006
2007
2008
Gross Alpha
GPS (15)

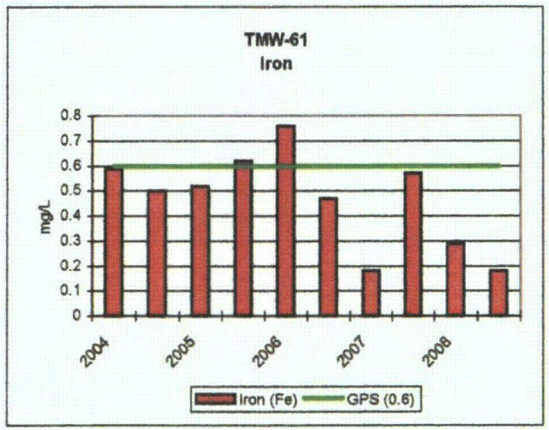
KENNECOTT URANIUM COMPANY											
TMW-61		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	3/9/2004	9/15/2004	3/2/2005	12/16/2005	3/2/2006	9/11/2006	2/27/2007	9/12/2007	3/18/2008	9/23/2008
TDS A/C Balance *(dec. %)*		1.07	1.04	1	1	1.02	1	0.98	0.96	3.59	0.939
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		174	177	171	192	220	210	208	230	251	227
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		239	242	241	265	267	267	299	309	313	319
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		32.2	21	24	25	25	22	30	31	32	30
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1340	1260	1350	1450	1450	1610	1600	1700	1720	1650
Cond-Field *(umhos/cm)*		880	780	840	890	990	1440	1471	1469	1593	1466
Fluoride (F)		<0.1	0.1	<0.1	<0.1	<0.1	0.1	0.1	0.1	<0.1	<0.1
Iron (Fe)	**GPS (0.6)**	0.589	0.5	0.52	0.62	0.76	0.47	0.18	0.57	0.29	0.18
Gross Alpha *(pCi/L)*	GPS (15)	6	5.7	10.5	5.1	5.7	3.9	4.3	6.9	7	5.1
Bicarbonate (HCO3)		213	216	208	235	268	256	254	281	306	277
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		4.8	4.4	5.1	4.7	4.5	4.4	5.6	5	5.6	4.5
Magnesium (Mg)		16.6	14.4	14.6	17.9	16.8	16.4	18.6	19.6	18.4	20.3
Manganese (Mn)	**GPS (0.2)**	0.18	0.18	0.17	0.2	0.2	0.23	0.24	0.24	0.26	0.25
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		53.2	55.7	55.9	57.8	60.4	58.4	64.8	64.4	62	57
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.59	7.29	7.71	7.81	7.9	7.52	7.64	7.54	7.7	7.69
pH (Field) *(Std. Units)*		7.4	6.9	6.7	7.24	7.35	7.04	7.61	7.2	7.2	7.3
Radium 226 *(pCi/L)*		4.1	3	4.5	3.6	5.3	1.4	6.1	3.8	6.3	3.4
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	9.1	7.3	11.3	10.2	6.4	6.7	8.9	9.6	16.7	13.7
Radium 228 *(pCi/L)*		5	4.3	6.8	6.6	1.1	5.3	2.8	5.8	10.4	10.3
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		20	18	19	21	20	19	19	19	19	21.6
Sulfate (SO4)		550	533	533	615	579	621	709	724	747	693
TDS @ 180° C.	**GPS (500)**	1070	1030	995	1120	1120	1130	1250	1260	1320	1320
Temperature *(C)*		8	12	13	9.1	9.5	12.4	9.5	11.2	9.3	10.1
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	2.4	2.1	1.8	2.4	3	3.4	3.4	3.9	4	15.9
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-61
pH
Std Units
8.5
8
7.5
7
6.5
6
5.5
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

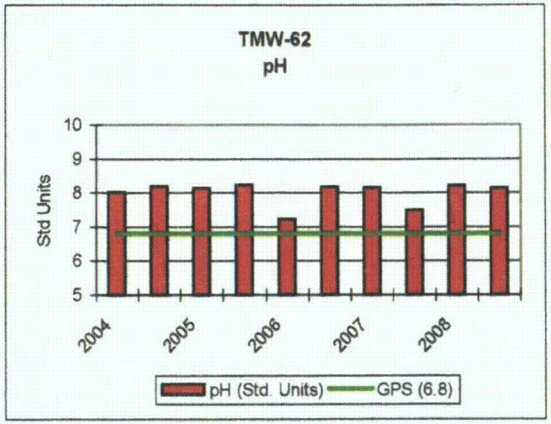

TMW-61
Manganese
mg/L
0.3
0.25
0.2
0.15
0.1
0.05
0
2004
2005
2006
2007
2008
Manganese (Mn)
GPS (0.2)

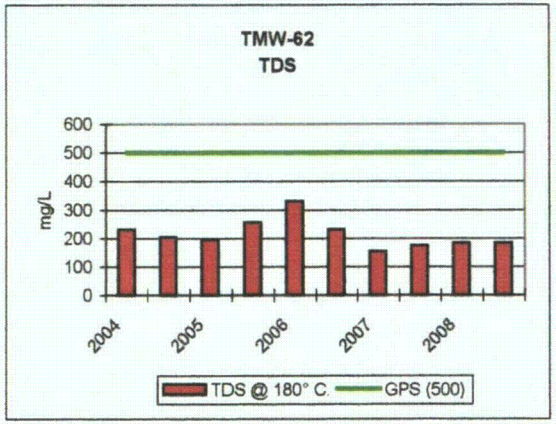

TMW-61
TDS
mg/L
1400
1200
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

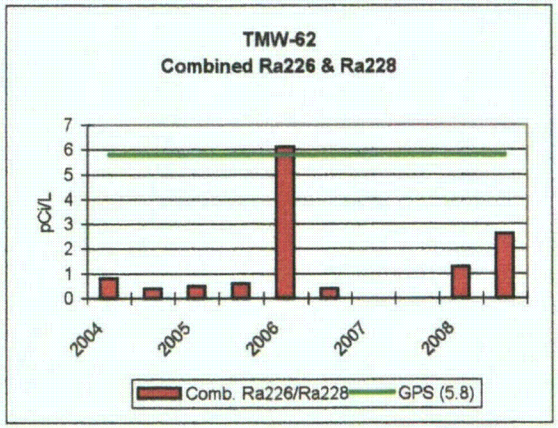

TMW-61
Combined Ra226/Ra228
pCi/L
18
16
14
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/228
GPS (5.8)


TMW-61
Iron
mg/L
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2004
2005
2006
2007
2008
Iron (Fe)
GPS (0.6)

KENNECOTT URANIUM COMPANY											
TMW-62		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2004	11/1/2004	5/2/2005	12/13/2005	4/4/2006	8/8/2006	2/21/2007	11/19/2007	4/16/2008	11/17/2008
TDS A/C Balance *(dec. %)*		0.98	1.06	0.92	1.1	1.05	1.12	0.85	0.89	3.99	2.08
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		92.3	87	96	90	96	88	86	89	85	86
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		39.1	28.1	33.1	41	59.5	31.5	22.9	26.9	24.9	22
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		3.8	3	2	1	3	4	2	3	2	2
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		337	300	334	366	487	374	275	311	278	220
Cond-Field *(umhos/cm)*		320	200	240	260	240	356	235	265	259	247
Fluoride (F)		0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.3
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	<1	<1	<1	1.9	1.5	<1	<1	<1	2.3	0.9
Bicarbonate (HCO3)		113	106	117	110	117	107	105	108	104	105
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		1.8	2	1.7	1.6	1.6	1.8	1	1.6	1.5	1.4
Magnesium (Mg)		3.5	2.5	2.8	4.1	6	2.9	2	2.6	2.2	1.8
Manganese (Mn)	GPS (0.2)	0.03	0.03	0.02	0.03	0.04	0.01	0.01	0.02	0.02	0.01
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		34.3	34.6	33.7	31.4	38.2	33.3	37.1	36	37.1	35.8
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	2.4	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	8.03	8.19	8.13	8.23	7.22	8.17	8.16	7.49	8.22	8.14
pH (Field) *(Std. Units)*		7.7	7.9	7.2	7.71	7.2	7.51	7.28	7.7	7.9	7.8
Radium 226 *(pCi/L)*		0.8	0.4	0.5	0.6	0.5	0.4	<0.2	<0.2	0.28	0.22
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	0.8	0.4	0.5	0.6	6.1	0.4	0	0	1.28	2.62
Radium 228 *(pCi/L)*		<1	<1	<1	<1	5.6	<1	<1	<0.2	1	2.4
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		10.5	12	11	12	12	10	13	11	7	14.2
Sulfate (SO4)		87	59	67	88	141	71	52	61	51	45
TDS @ 180° C.	**GPS (500)**	231	204	194	256	330	232	154	174	183	184
Temperature *(C)*		11	12	10	8.1	10	15.8	10	10.1	9.5	10.6
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.1	0
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	6.4	4	4.4	4.1	5	3.7	2.7	4.8	2.9	2.4
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

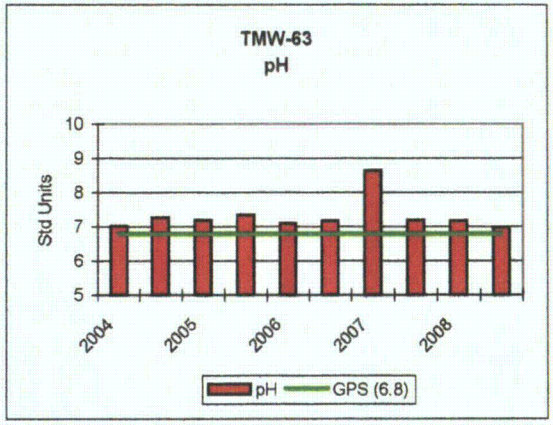

TMW-62
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

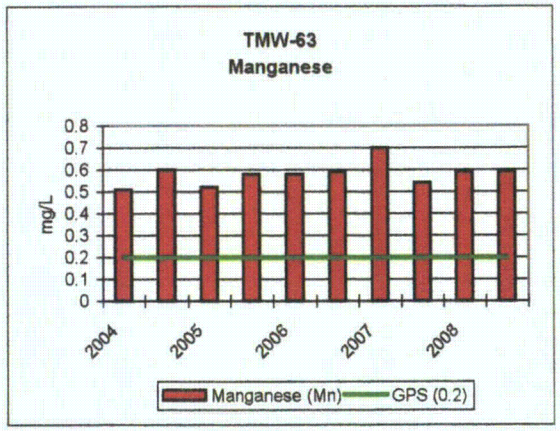

TMW-62
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

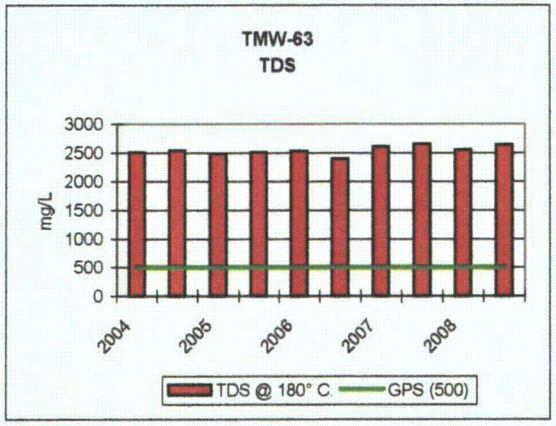

TMW-62
Combined Ra226 & Ra228
pCi/L
7
6
5
4
3
2
1
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

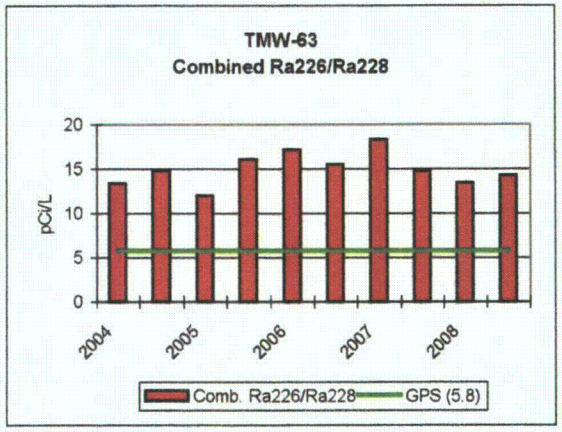
TMW 62.xls

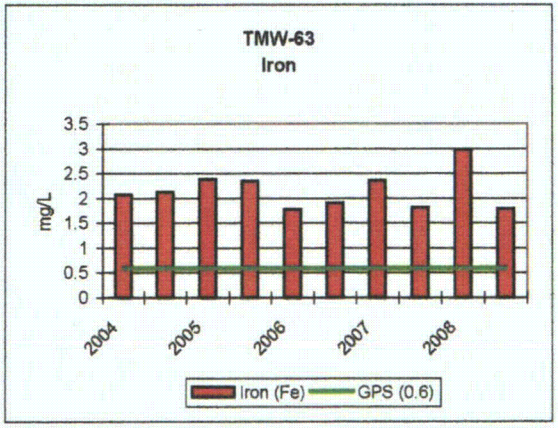
KENNECOTT URANIUM COMPANY											
TMW-63		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2004	11/1/2004	5/2/2005	12/19/2005	5/4/2006	11/19/2006	5/23/2007	11/26/2007	4/16/2008	11/17/2008
TDS A/C Balance *(dec. %)*		1.1	1.05	1.05	1.07	1.02	1.01	1.1	1.13	1.2	0.271
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		468	466	470	452	481	478	440	525	467	464
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		605	629	625	591	625	619	619	576	680	622
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		77.2	82	85	86	86	81	87	103	96	77
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.002
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		2820	2970	2850	2890	2890	2960	3010	3110	2930	2990
Cond-Field *(umhos/cm)*		1460	1080	1680	1450	300	305	313	295	3000	2740
Fluoride (F)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.2	<0.1	<0.1	<0.1
Iron (Fe)	**GPS (0.6)**	2.08	2.12	2.38	2.34	1.77	1.9	2.36	1.81	2.98	1.79
Gross Alpha *(pCi/L)*	GPS (15)	6.4	3.6	11.1	6.2	4.5	5.1	17	5.2	10.9	5.8
Bicarbonate (HCO3)		572	568	574	552	587	584	537	640	569	566
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		6.8	7.5	7	7	6.8	6.9	7.3	7.9	7	6.8
Magnesium (Mg)		41.3	45.7	43.2	46.3	45	42.1	44.8	39.5	50.3	45.4
Manganese (Mn)	**GPS (0.2)**	0.51	0.6	0.52	0.58	0.58	0.59	0.7	0.54	0.59	0.59
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		88.5	93.1	89.7	91.6	93.4	89.5	93.5	93	93	93
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	4	<1	1.7
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.02	7.27	7.19	7.34	7.1	7.17	8.64	7.18	7.17	6.98
pH (Field) *(Std. Units)*		6.3	6.5	6.2	6.74	6.7	6.54	6.82	6.7	6.7	6.7
Radium 226 *(pCi/L)*		4.9	5	4	4.2	4.6	5.8	5.3	3.4	3.2	2.6
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	13.4	14.8	12	16.1	17.2	15.5	18.3	14.8	13.5	14.3
Radium 228 *(pCi/L)*		8.5	9.8	8	11.9	12.6	9.7	13	11.4	10.3	11.7
Selenium (Se)	GPS (.01)	0.001	0.003	<0.001	<0.001	<0.001	0.003	0.003	0.001	0.001	<0.001
Silica (SiO2)		21	24	23	24	24	21	23	22	11	22.1
Sulfate (SO4)		1160	1250	1220	1230	1320	1220	1230	1180	1410	1310
TDS @ 180° C.	**GPS (500)**	2510	2540	2480	2510	2530	2390	2610	2650	2550	2640
Temperature *(C)*		15	12	12	11.2	11.9	11.4	9.9	11.9	11.3	12.3
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	4.7	2.9	3	1.4	1.4	1.5	2.4	1.8	1.7	2.8
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		0.02	0.01	0.01	<0.01	<0.01	0.02	0.01	0.01	0.01	0.03


TMW-63
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH
GPS (6.8)

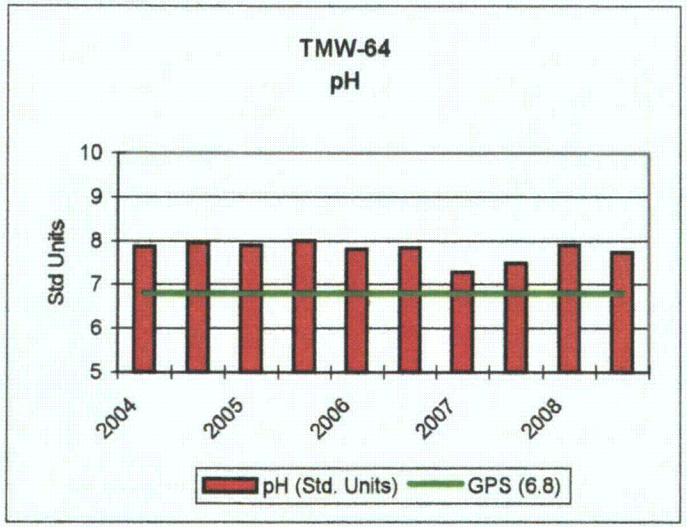

TMW-63
Manganese
mg/L
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2004
2005
2006
2007
2008
Manganese (Mn)
GPS (0.2)

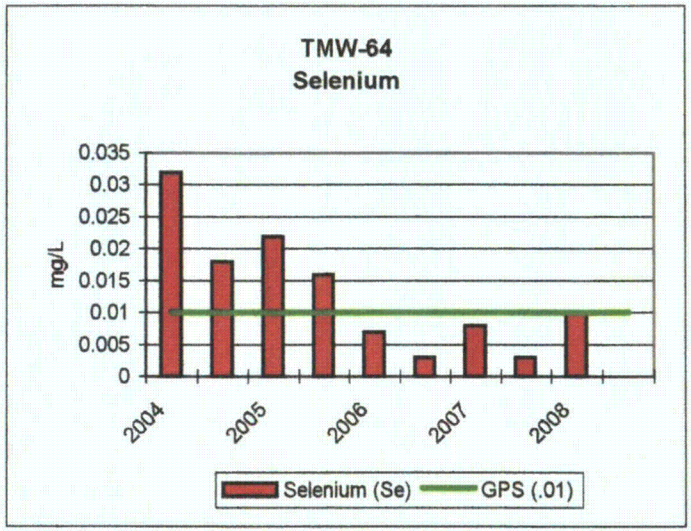

TMW-63
TDS
mg/L
3000
2500
2000
1500
1000
500
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

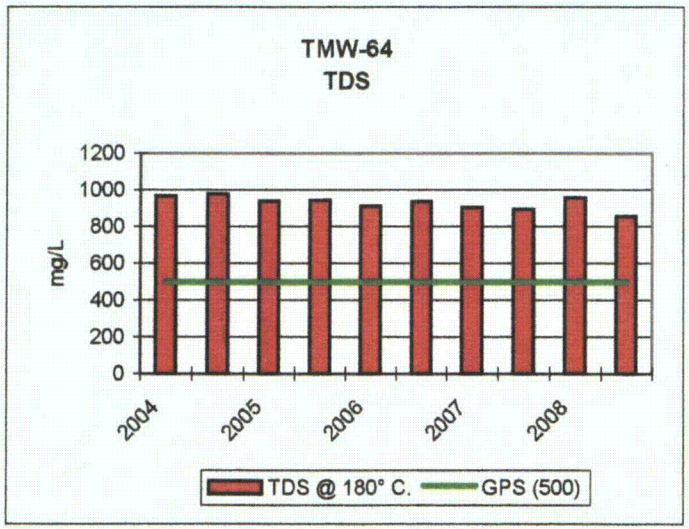

TMW-63
Combined Ra226/Ra228
pCi/L
20
15
10
5
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

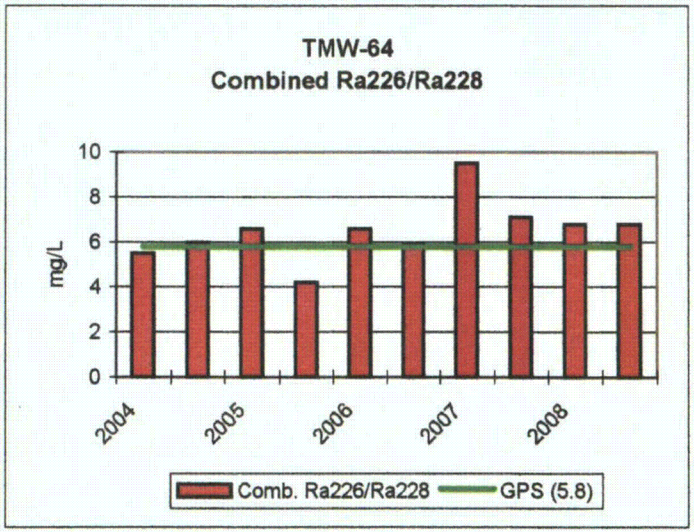

TMW-63
Iron
mg/L
3.5
3
2.5
2
1.5
1
0.5
0
2004
2005
2006
2007
2008
Iron (Fe)
GPS (0.6)

KENNECOTT URANIUM COMPANY											
TMW-64		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2004	11/1/2004	5/2/2005	12/13/2005	5/2/2006	11/28/2006	6/3/2007	11/19/2007	4/29/2008	11/12/2008
TDS A/C Balance *(dec. %)*		1.05	1.06	1.01	1.02	1.06	1.04	0.99	0.98	0.413	0.876
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		63	66	65	68	65	85	0.68	68	65	68
Arsenic (As)	GPS (.05)	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		201	208	211	207	190	196	200	196	204	194
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		32.5	33	35	33	29	30	33	33	31	30
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1250	1240	1280	1230	1200	1240	1340	1260	1210	1160
Cond-Field *(umhos/cm)*		800	680	860	780	1176	1.14	1080	1079	1095	1044
Fluoride (F)		0.2	0.2	<0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	2.5	2.5	4.4	2.6	3.9	3.5	4.3	1.8	4.2	2.3
Bicarbonate (HCO3)		76.9	80	79	82	79	104	83	83	79	83
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		4.4	4.8	4.4	4.2	4	4.3	4.3	4.3	4.3	4
Magnesium (Mg)		17.8	18.8	18.2	19	17.9	17.8	18.1	17.8	17.3	16.5
Manganese (Mn)	GPS (0.2)	<0.01	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.05	0.03
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		53.7	53.8	53.6	53.4	52	54.5	54.9	54.6	52	51
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	2.1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.87	7.97	7.9	8.01	7.82	7.84	7.28	7.5	7.91	7.75
pH (Field) *(Std. Units)*		7.8	7.3	7.2	7.46	7.51	7.42	7.25	7.4	7.5	7.5
Radium 226 *(pCi/L)*		2.3	2.3	1.9	2.2	2.7	2.5	3.2	2.5	2.3	1.6
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	5.5	6	6.6	4.2	6.6	5.9	9.5	7.1	6.8	6.8
Radium 228 *(pCi/L)*		3.2	3.7	4.7	2	3.9	3.4	6.3	4.6	4.5	5.2
Selenium (Se)	**GPS (.01)**	0.032	0.018	0.022	0.016	0.007	0.003	0.008	0.003	0.01	<0.001
Silica (SiO2)		8.2	9	9	9	9	9	8	8	4	9.2
Sulfate (SO4)		562	562	563	568	523	538	557	559	562	523
TDS @ 180° *C.*	**GPS (500)**	968	980	940	944	914	938	904	893	958	855
Temperature *(C)*		13	12	10	6.6	11.6	8.1	10.8	9.8	10	9.9
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	30.7	29.1	27.2	31.1	29.5	27.7	24.7	22	19.5	18.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

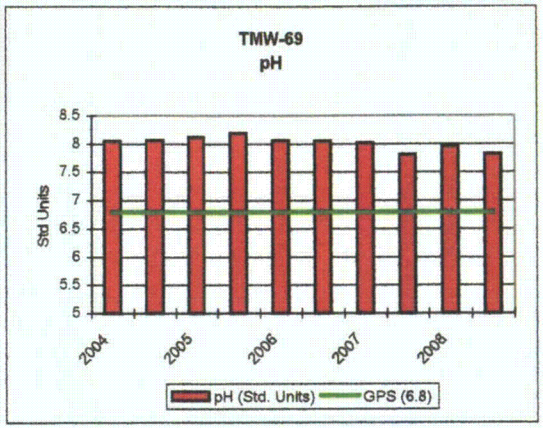

TMW-64
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

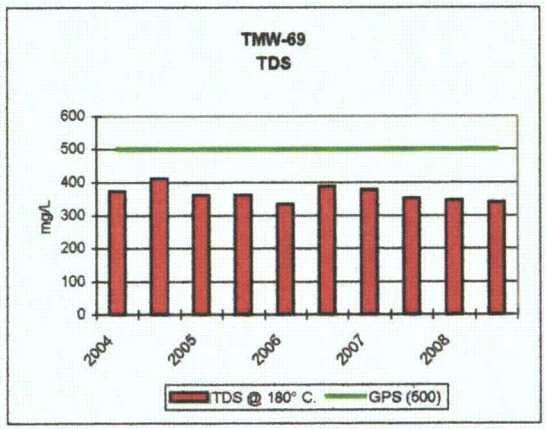

TMW-64
Selenium
mg/L
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
2004
2005
2006
2007
2008
Selenium (Se)
GPS (.01)

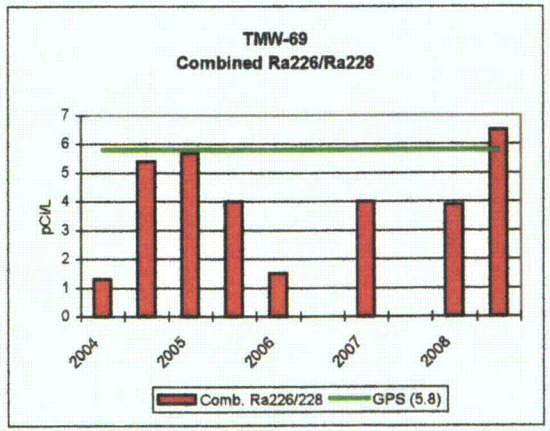

TMW-64
TDS
mg/L
1200
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)


TMW-64
Combined Ra226/Ra228
mg/L
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

KENNECOTT URANIUM COMPANY											
TMW-69		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2004	11/1/2004	5/2/2005	12/20/2005	5/2/2006	11/28/2006	5/1/2007	11/26/2007	4/16/2008	11/12/2008
TDS A/C Balance *(dec. %)*		0.98	1.09	0.96	1	0.93	1.07	1.01	1.01	4.5	2.49
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		100	101	101	100	103	100	100	113	101	101
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		77.7	80.7	79.3	75.8	75.6	76.1	75.3	70	84.7	79.6
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		9.8	6	12	8	7	6	7	8	7	6
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		575	571	575	558	539	559	573	569	530	517
Cond-Field *(umhos/cm)*		480	280	440	410	522	513	512	494	495	473
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	1.6	1.2	2.3	1.5	2.4	<1	3.1	1.9	4.2	1.5
Bicarbonate (HCO3)		122	123	123	122	125	122	130	137	123	124
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		2.9	3.1	2.8	2.7	2.8	2.8	2.9	3.1	2.8	2.7
Magnesium (Mg)		5.1	5.3	5	4.9	5.1	4.8	5.2	4	5.2	4.8
Manganese (Mn)	GPS (0.2)	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		35	35.2	34.4	35.2	33.4	35.2	34.8	33.3	35.2	33.7
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	8.05	8.07	8.12	8.19	8.06	8.05	8.02	7.81	7.96	7.83
pH (Field) *(Std. Units)*		7.4	7.3	7.2	7.63	7.74	7.55	7.1	7.3	7.8	7.6
Radium 226 *(pCi/L)*		1.3	1.7	2.7	2.2	1.5	<0.2	2.5	1.4	1.5	1.2
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	1.3	5.4	5.7	4	1.5	0	4	<1.4	3.9	6.5
Radium 228 *(pCi/L)*		<1	3.7	3	1.8	<1	<1	1.5	<1	2.4	5.3
Selenium (Se)	GPS (.01)	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13	14	14	14	14	14	14	14	8	17.7
Sulfate (SO4)		177	173	170	162	161	162	173	149	168	163
TDS @ 180° C.	**GPS (500)**	374	412	363	363	336	388	378	353	347	341
Temperature *(C)*		14	11	10	8.7	12.4	8.1	11	11.1	9.5	9.6
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	4.4	4.1	4.8	4.1	4.2	3.8	4.2	4.1	4	4.5
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

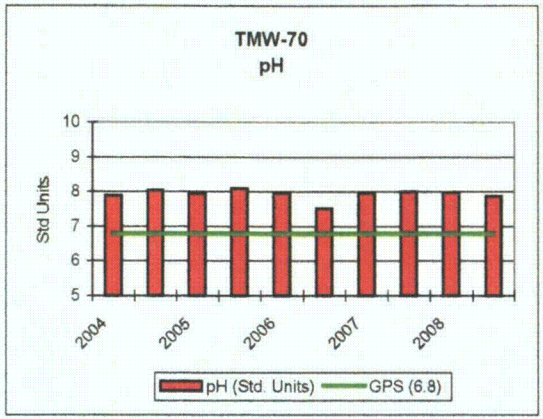

TMW-69
pH
Std Units
8.5
8
7.5
7
6.5
6
5.5
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

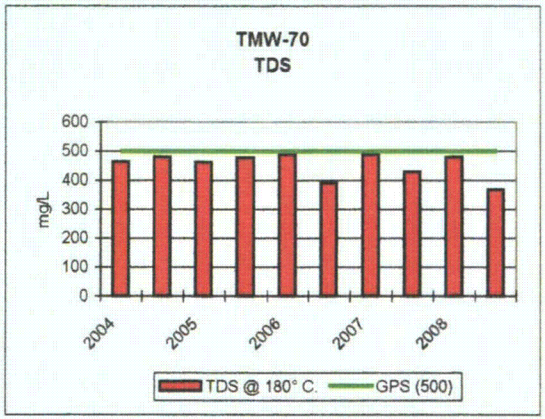

TMW-69
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

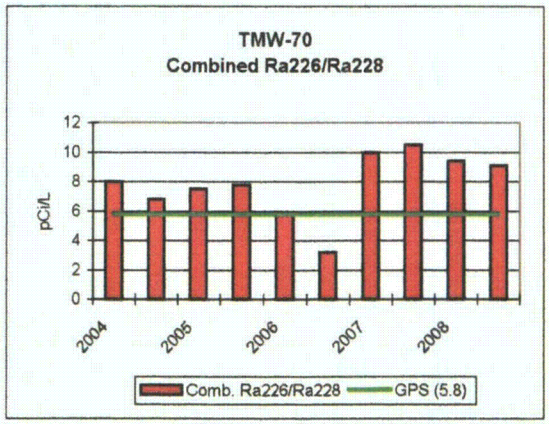

TMW-69
Combined Ra226/Ra228
pCi/L
7
6
5
4
3
2
1
0
2004
2005
2006
2007
2008
Comb. Ra226/228
GPS (5.8)

TMW 69.xls

KENNECOTT URANIUM COMPANY											
TMW-70		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/4/2004	11/2/2004	5/3/2005	12/19/2005	5/4/2006	11/28/2006	5/1/2007	11/7/2007	4/29/2008	11/12/2008
TDS A/C Balance *(dec. %)*		0.98	1.02	0.91	1.03	0.99	1.03	0.99	0.93	4.67	1.34
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		83.6	88	83	85	90	112	87	90	85	93
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		101	102	113	101	103	77.5	101	97.4	105	85.2
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		10.4	9	13	9	12	7	11	11	9	8
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		697	673	745	709	705	565	723	678	640	562
Cond-Field *(umhos/cm)*		540	380	520	500	700	530	664	603	593	520
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Iron (Fe)	GPS (0.6)	0.081	0.09	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	4.2	4	6.1	4.5	3.9	3.6	5.4	4.3	5.5	3.8
Bicarbonate (HCO3)		102	108	101	104	110	136	110	110	104	113
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		3	3.6	3.5	2.9	3	2.8	3.2	3.1	3.1	2.8
Magnesium (Mg)		6.5	6.6	7	6.6	6.7	4.9	6.9	6.2	6.3	5.2
Manganese (Mn)	GPS (0.2)	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04	0.05	0.04
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		39.4	39.1	40.6	38.6	38.5	37.1	39.1	39.3	38.2	35.1
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.89	8.04	7.94	8.09	7.96	7.51	7.96	8.01	7.98	7.88
pH (Field) *(Std. Units)*		7.4	7.2	7.3	7.64	7.33	7.18	7.35	7.7	7.6	7.6
Radium 226 *(pCi/L)*		3.4	3.5	1.5	3.5	3.5	3.2	5.4	3.9	3.2	2.9
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	8	6.8	7.5	7.8	5.8	3.2	10	10.5	9.4	9.1
Radium 228 *(pCi/L)*		4.6	3.3	6	4.3	2.3	<1	4.6	6.6	6.2	6.2
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.9	14	13	13	13	15	13	13	8	15.7
Sulfate (SO4)		250	245	268	241	266	171	265	237	235	194
TDS @ 180° *C.*	**GPS (500)**	464	481	463	477	490	392	488	430	481	370
Temperature *(C)*		13	11	12	8.6	10.4	7	11.9	11.8	9.8	10.1
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	3.1	3.4	3.8	3.6	3.8	3.1	3.8	4.2	3.8	4.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

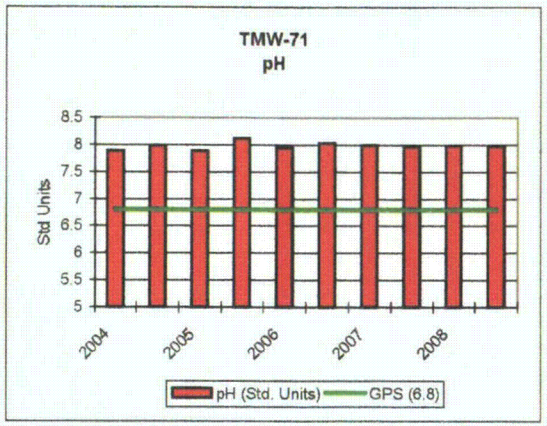

TMW-70
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

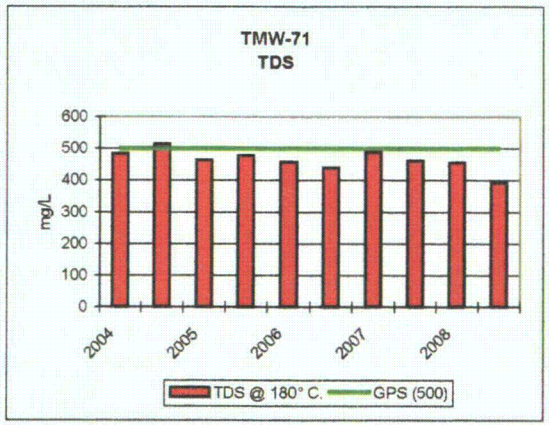

TMW-70
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

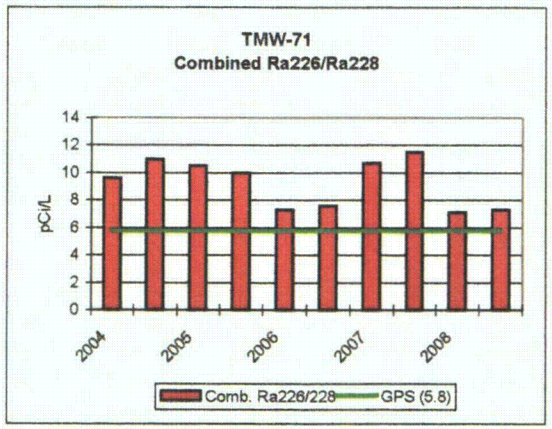

TMW-70
Combined Ra226/Ra228
pCi/L
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

TMW 70.xls

KENNECOTT URANIUM COMPANY											
TMW-71		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/5/2004	11/2/2004	5/3/2005	12/19/2005	5/2/2006	11/19/2006	5/1/2007	11/7/2007	4/16/2008	11/12/2008
TDS A/C Balance *(dec. %)*		1.02	1	0.92	1.03	0.96	1.09	1.01	0.97	2.94	1.29
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		118	119	118	118	120	114	120	120	118	114
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		102	115	114	103	105	85.3	102	105	110	96.2
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		6.1	6	7	7	6	4	6	6	5	4
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		708	721	737	7.3	683	701	713	699	662	611
Cond-Field *(umhos/cm)*		520	420	500	510	676	645	632	612	625	542
Fluoride (F)		0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2
Iron (Fe)	GPS (0.6)	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	3.6	2.9	6.3	3.1	4.3	3.4	4.5	4.3	7.9	3.2
Bicarbonate (HCO3)		144	145	144	143	146	139	150	146	144	139
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		3.2	3.8	3.6	3	3.2	2.9	3.3	3.2	3.3	2.9
Magnesium (Mg)		6.6	7.5	7.1	6.7	7	5.5	7	6.6	6.7	5.8
Manganese (Mn)	GPS (0.2)	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		37.6	39.9	39.8	37.9	36.9	34.4	37.6	38.6	36.8	33.1
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.89	7.99	7.89	8.12	7.95	8.04	8	7.98	7.99	7.98
pH (Field) *(Std. Units)*		7.3	7.1	7.2	7.56	7.46	7.39	7.48	7.7	7.8	7.4
Radium 226 *(pCi/L)*		3.1	4.4	3.2	3.2	3.6	3.7	4.1	3.2	2.6	2.3
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	9.6	11	10.5	10	7.3	7.6	10.7	11.5	7.1	7.3
Radium 228 *(pCi/L)*		6.5	6.6	7.3	6.8	3.7	3.9	6.6	8.3	4.5	5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.6	15	14	15	15	13	15	15	9	17.5
Sulfate (SO4)		234	254	245	223	229	192	239	228	228	203
TDS @ 180° C.	**GPS (500)**	484	514	464	478	458	440	488	462	455	392
Temperature *(C)*		12	10	11	9	11.6	8.9	11.9	10	9.4	9.8
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	7.9	7.3	7.8	7.1	7.1	6.1	6.3	6.9	5.8	5.3
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	0.01	<0.01

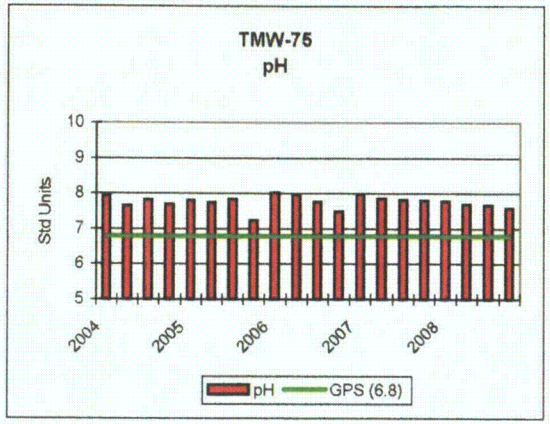

TMW-71
pH
Std Units
8.5
8
7.5
7
6.5
6
5.5
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

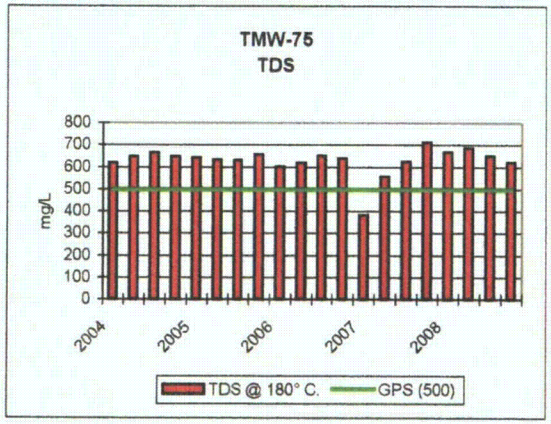

TMW-71
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

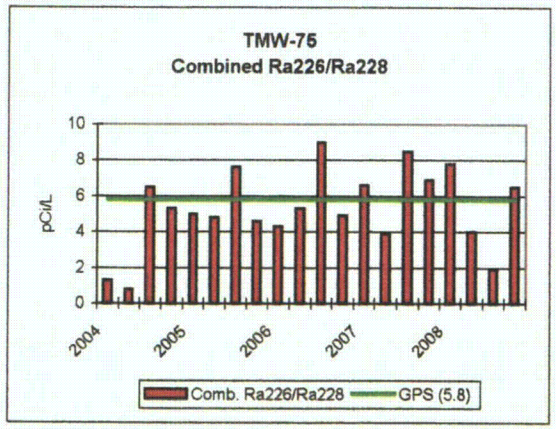

TMW-71
Combined Ra226/Ra228
pCi/L
14
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/228
GPS (5.8)

TMW 71.xls

KENNECOTT URANIUM COMPANY																					
TMW-75		2004				2005				2006				2007				2008			
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	1/5/2004	4/5/2004	7/12/2004	10/7/2004	1/5/2005	4/6/2005	7/11/2005	11/7/2005	1/16/2006	4/10/2006	7/3/2006	10/5/2006	3/14/2007	4/11/2007	7/22/2007	10/3/2007	1/13/2008	4/14/2008	7/28/2008	10/14/2008
TDS A/C Balance *(dec. %)*		0.91	1	1.05	0.94	0.98	0.99	0.99	1.05	0.97	0.99	1.01	1	1.02	0.96	1.06	1.1	3.85	4.78	2.37	-0.132
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaCO3		128	125	124	127	131	124	126	128	128	125	119	120	107	118	120	131	125	124	125	125
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		161	148	142	165	148	138	142	134	135	137	139	143	76.9	127	129	134	135	174	140	133
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		32	19.6	18	19	21	20	18	19	17	18	14	17	7	15	16	21	18	18	15	16
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		915	927	890	910	919	938	926	946	896	879	904	905	578	842	886	1010	953	936	928	887
Cond-Field *(umhos/cm)*		800	720	860	600	860	660	580	720	690	580	907	857	557	779	862	919	887	907	867	820
Fluoride (F)		0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	<0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
Iron (Fe)	GPS (0.6)	0.27	0.227	0.21	<0.05	0.19	0.19	0.2	0.15	0.14	0.11	0.27	0.17	<0.05	0.1	0.11	0.09	<0.05	0.18	<0.05	0.09
Gross Alpha *(pCi/L)*	GPS (15)	1.6	2.3	1.6	1.7	3	1.6	4	2.6	1.6	2.6	2.6	4.2	2	4.4	2.2	4.1	4.4	4.8	1.8	0.9
Bicarbonate (HCO3)		157	153	151	154	160	151	153	156	156	152	145	147	131	144	150	159	152	151	153	152
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		3.9	4	3	3.9	4	3.5	3.2	3.2	3.5	3.2	3.4	3.4	2.6	3.4	3.3	3.9	3.8	3.6	2.9	3.2
Magnesium (Mg)		13	11.6	11	12	12	10.7	11.4	11.6	11.1	10.7	10.3	11	4.8	9.2	9.8	9.8	12.2	13.2	9.3	10.2
Manganese (Mn)	GPS (0.2)	0.1	0.11	0.11	0.12	0.11	0.11	0.11	0.11	0.11	0.1	0.1	0.09	0.03	0.07	0.09	0.11	0.1	0.12	0.1	0.11
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		45	45.9	47	49.1	46.3	43.4	46.2	44.5	44.2	44.2	48	46.8	36.5	44	44.6	43.8	46.7	48.7	46	43
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<2.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6,8)**	7.93	7.65	7.82	7.69	7.8	7.75	7.84	7.23	8.03	7.97	7.77	7.49	7.98	7.86	7.82	7.8	7.78	7.7	7.68	7.59
pH (Field) *(Std. Units)*		6.8	7.1	6.9	7.5	6.7	6.7	6.9	7.25	7.16	7.37	7.25	7.5	7.76	7.47	7.7	7.4	7.7	7.5	7.4	7.1
Radium 226 *(pCi/L)*		1.3	0.8	1.8	1.5	0.7	1.1	1.9	1.8	1.2	1.3	1.1	2.1	2.8	1.9	2.9	1.4	2.3	0.97	1.3	2
Combined Ra226/228 *(pCi/L)*	**GPS (5,8)**	1.3	0.8	6.5	5.3	5	4.8	7.6	4.6	4.3	5.3	9	4.9	6.6	3.9	8.5	6.9	7.8	4	1.9	6.5
Radium 228 *(pCi/L)*		<1	<1	4.7	3.8	4.3	3.7	5.7	2.8	3.1	4	7.9	2.8	3.8	2	5.6	5.5	5.5	3.8	0.6	4.5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		16	14.2	14	16	14	14	15	15	15	15	16	14	13	14	14	15	16	9	7	16.5
Sulfate (SO4)		347	339	335	357	334	339	326	322	315	320	342	329	168	297	302	339	369	381	355	311
TDS @ 180° C.	**GPS (500)**	620	647	665	647	643	635	632	658	600	618	652	638	382	558	626	712	669	686	650	622
Temperature *(C)*		6	12	17	13	9	11	17	9.8	7.4	12.7	19	14.7	8.7	9.6	17.5	13.5	9.6	16.9	11.9	9.3
Thorium 230 *(pCi/L)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	21.7	22.1	22.3	24.1	26	25.4	22	23.1	21.2	19.6	18.2	17.8	5.4	9.5	14.4	18.3	17.5	16.7	17.5	18.8
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

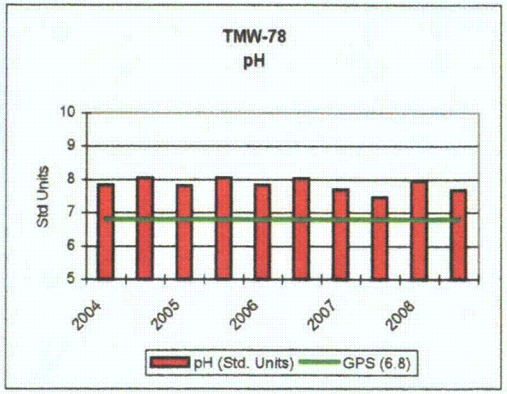

TMW-75
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH
GPS (6.8)

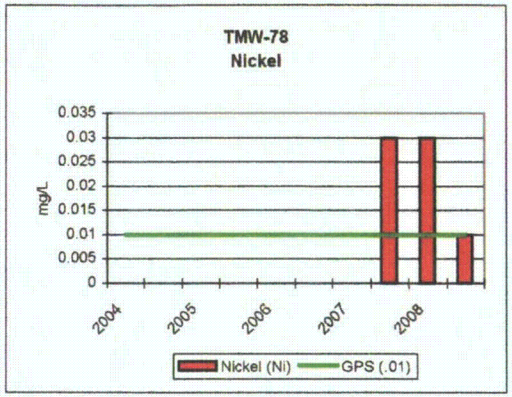

TMW-75
TDS
mg/L
800
700
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

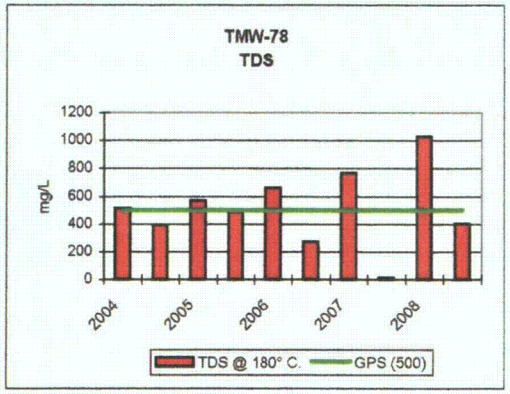

TMW-75
Combined Ra226/Ra228
pCi/L
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

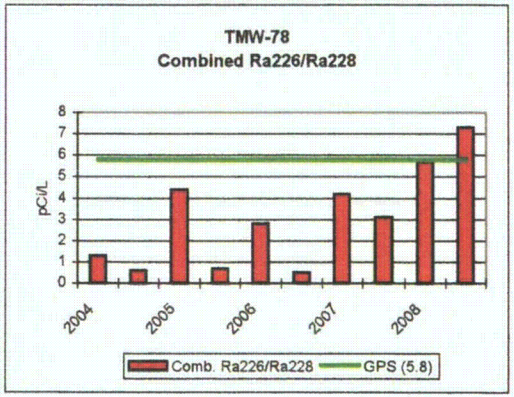
TMW 75.xls

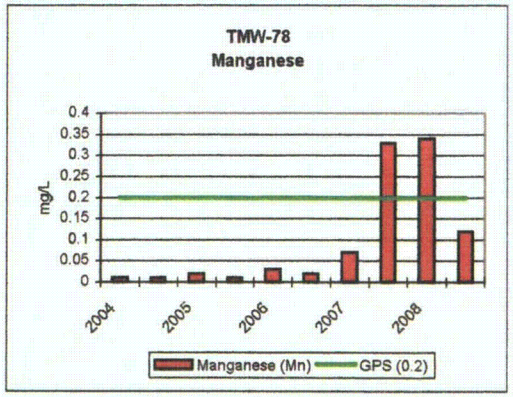
KENNECOTT URANIUM COMPANY											
TMW-78		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/5/2004	11/2/2004	5/3/2005	12/17/2005	5/8/2006	11/19/2006	6/3/2007	11/26/2007	4/29/2008	11/17/2008
TDS A/C Balance *(dec. %)*		1.03	1.03	0.91	0.96	0.98	1.07	0.96	1.13	2.22	1.96
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		96.2	97	90	95	89	90	90	88	81	97
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		107	79.4	142	110	143	47	176	233	228	82.2
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		10.1	6	14	7	13	4	12	18	13	5
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	0.008	0.004
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		736	560	891	719	911	466	1150	1550	1260	552
Cond-Field *(umhos/cm)*		580	360	660	460	883	432	1018	1342	1161	512
Fluoride (F)		0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Gross Alpha *(pCi/L)*	GPS (15)	1.2	<1	1.6	<1	1.8	<1	2.7	3.3	2.7	1.6
Bicarbonate (HCO3)		117	119	110	116	108	110	110	108	99	118
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		3	3.3	3.8	3.1	3.6	2.4	4	5.6	4.8	3
Magnesium (Mg)		9.4	9.1	14.9	13.4	18.4	5.9	21.6	28.3	28.3	10.2
Manganese (Mn)	**GPS (0.2)**	0.01	0.01	0.02	0.01	0.03	0.02	0.07	0.33	0.34	0.12
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Sodium (Na)		34.4	31.4	37.7	31.6	35.2	28.3	36.1	42	41	31.4
Nickel (Ni)	**GPS (.01)**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.03	0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.8
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.84	8.05	7.83	8.06	7.84	8.03	7.71	7.48	7.95	7.69
pH (Field) *(Std. Units)*		7.2	7.1	7.1	7.53	7.52	7.21	7.41	7.1	7.4	7.4
Radium 226 *(pCi/L)*		1.3	0.6	3.1	0.7	0.8	0.5	1.5	2	2	0.84
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	1.3	0.6	4.4	0.7	2.8	0.5	4.2	3.1	5.7	7.3
Radium 228 *(pCi/L)*		<1	<1	1.3	<1	2	<1	2.7	2.9	3.7	6.5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.6	14	12	14	13	11	13	11	6	13.3
Sulfate (SO4)		264	180	349	270	400	103	479	650	624	194
TDS @ 180° C.	**GPS (500)**	514	394	568	487	664	274	768	11.8	1030	405
Temperature *(C)*		12	11	11	7.3	11.8	9.3	10.2	11.1	10.6	10
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	8.8	9.8	12.7	9	10	9.2	12	13.3	13.3	18.2
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	<0.01


TMW-78
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

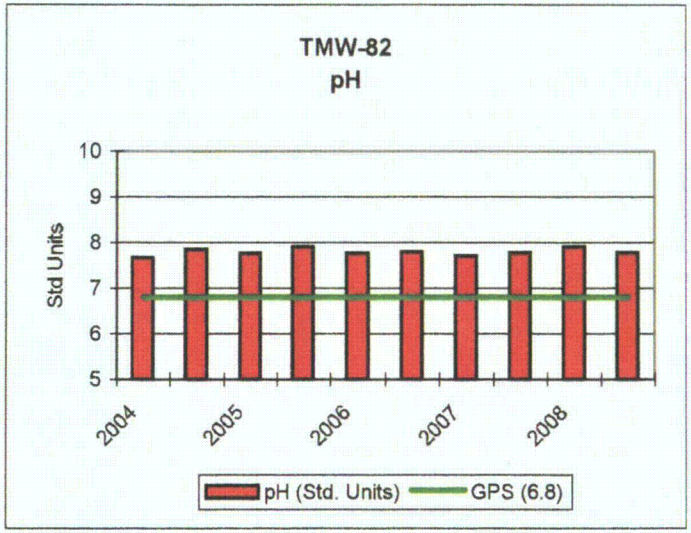

TMW-78
Nickel
mg/L
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
2004
2005
2006
2007
2008
Nickel (Ni)
GPS (.01)

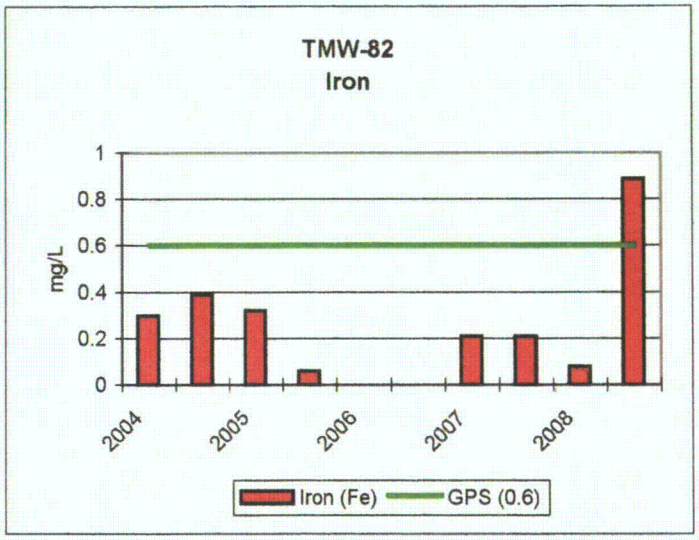

TMW-78
TDS
mg/L
1200
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

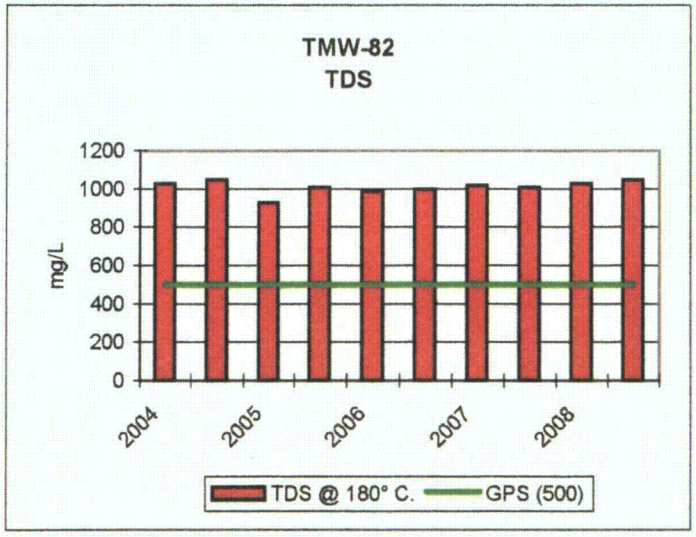

TMW-78
Combined Ra226/Ra228
pCi/L
8
7
6
5
4
3
2
1
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

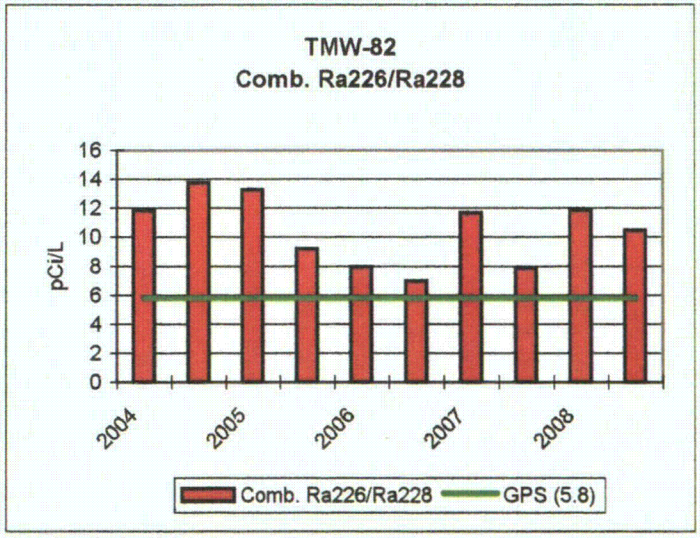

TMW-78
Manganese
mg/L
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
2004
2005
2006
2007
2008
Manganese (Mn)
GPS (0.2)

KENNECOTT URANIUM COMPANY											
TMW-82		2004		2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/5/2004	11/2/2004	5/3/2005	12/17/2005	5/4/2006	11/19/2006	6/3/2007	11/26/2007	4/29/2008	11/13/2008
TDS A/C Balance *(dec. %)*		1.06	1.04	0.95	0.99	0.99	1.04	1	1.11	2.08	-1.39
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		98	99	98	95	100	94	96	106	93	95
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		213	224	227	236	219	216	229	202	237	238
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		25.3	24	26	25	25	24	26	26	24	24
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1300	1310	1310	1310	1280	1350	1470	1380	1300	1330
Cond-Field *(umhos/cm)*		760	680	840	810	1256	1261	1236	1181	1184	1176
Fluoride (F)		0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Iron (Fe)	**GPS (0.6)**	0.299	0.39	0.32	0.06	<0.05	<0.05	0.21	0.21	0.08	0.89
Gross Alpha *(pCi/L)*	GPS (15)	2.2	2.3	6.8	1.8	2.6	2.6	5.7	3	4.9	7.4
Bicarbonate (HCO3)		119	121	120	116	122	115	117	129	113	116
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		4.1	4.8	4.5	4.2	4.1	4.1	4.3	4.6	4.3	4.5
Magnesium (Mg)		19.6	21.8	20.1	21.8	20.2	19.2	20.6	16.9	19.8	20.3
Manganese (Mn)	GPS (0.2)	0.1	0.12	0.11	0.11	0.11	0.11	0.11	0.1	0.11	0.12
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		51.6	53.6	52.9	51.3	51.5	50.9	53.9	49	52	54
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	3.2	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.68	7.86	7.78	7.92	7.77	7.8	7.72	7.79	7.91	7.79
pH (Field) *(Std. Units)*		7.1	7.1	7.1	7.36	7.49	7.13	7.46	7.4	7.5	7.4
Radium 226 *(pCi/L)*		1.8	3.4	3.8	2.3	2	2.1	2.5	1.7	2.2	1.8
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	11.9	13.8	13.3	9.2	8	7	11.7	7.9	11.9	10.5
Radium 228 *(pCi/L)*		10.1	10.4	9.5	6.9	6	4.9	9.5	6.2	9.7	8.7
Selenium (Se)	GPS (.01)	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		13.1	15	14	15	14	13	14	14	7	16.1
Sulfate (SO4)		585	612	574	609	609	581	618	538	607	667
TDS @ 180° C.	**GPS (500)**	1030	1050	929	1010	990	998	1020	1010	1030	1050
Temperature *(C)*		15	11	11	10.6	10	9.5	9.9	11.1	10.5	10
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0	0
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	GPS (36)	4.4	4.1	4.7	4.6	4.5	4.6	4.4	4.1	4	5.1
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

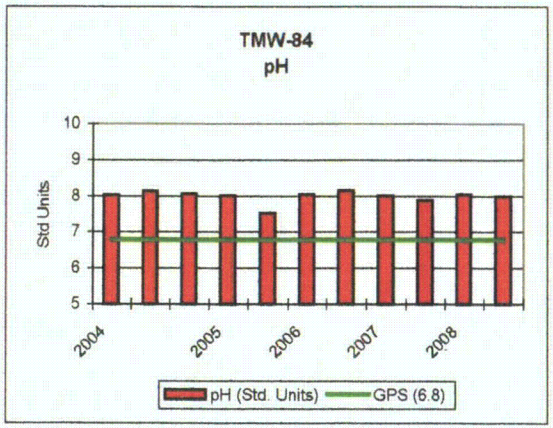

TMW-82
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

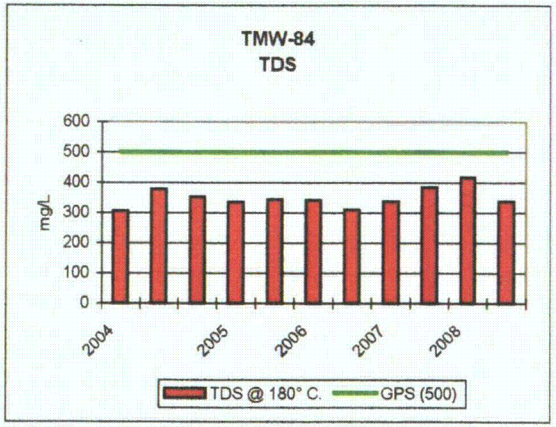

TMW-82
Iron
mg/L
1
0.8
0.6
0.4
0.2
0
2004
2005
2006
2007
2008
Iron (Fe)
GPS (0.6)

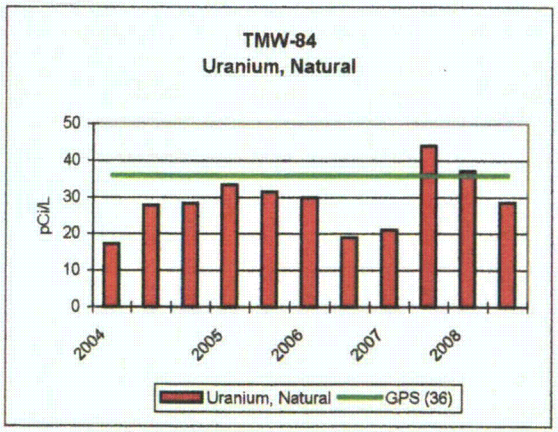

TMW-82
TDS
mg/L
1200
1000
800
600
400
200
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)


TMW-82
Comb. Ra226/Ra228
pCi/L
16
14
12
10
8
6
4
2
0
2004
2005
2006
2007
2008
Comb. Ra226/Ra228
GPS (5.8)

KENNECOTT URANIUM COMPANY												
TMW-84		2004			2005		2006		2007		2008	
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/5/2004	11/3/2004	11/10/2004	5/3/2005	12/17/2005	5/8/2006	11/19/2006	6/3/2007	11/27/2007	4/29/2008	11/13/2008
TDS A/C Balance *(dec. %)*		0.97	1.07	1.06	0.88	0.99	0.96	0.93	0.91	1.03	2.21	4.12
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		101	102	104	101	95	104	100	104	115	102	104
Arsenic (As)	GPS (.05)	0.002	0.007	0.003	0.01	0.019	0.025	0.023	0.019	0.043	0.041	0.048
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		62.5	74.8	71	83.3	75.6	71.5	66.9	77.4	75.5	83	74.5
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		8.2	6	5.6	11	7	9	7	9	11	8	7
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		497	534	544	589	531	522	525	601	634	561	508
Cond-Field *(umhos/cm)*		460	380	500	440	370	505	494	527	555	514	465
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.36
Gross Alpha *(pCi/L)*	GPS (15)	<1	<1	<1	1.5	<1	1.2	<1	1.4	1.6	1.9	1.5
Bicarbonate (HCO3)		123	125	126	123	116	127	122	127	141	124	127
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		2.6	3.3	2.5	3.1	2.9	2.9	2.9	2.9	3.6	3	3.3
Magnesium (Mg)		4.4	5.7	5	5.9	5.7	5.4	4.6	5.6	5	6	5
Manganese (Mn)	GPS (0.2)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		32.8	34.3	34.1	36.7	32.3	33.3	32.2	35.6	34.8	34	35.9
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<2.7	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	8.03	8.13	8.06	8.01	7.53	8.05	8.15	8.01	7.88	8.05	8
pH (Field) *(Std. Units)*		7.2	7.5	6.8	7.2	7.56	7.6	7.39	7.69	7.5	7.7	7.4
Radium 226 *(pCi/L)*		<0.2	0.8	1.2	<0.2	0.5	1	1.1	<0.2	1	0.8	0.53
Combined Ra226/228 *(pCi/L)*	GPS (5.8)	0	0.8	1.2	0	0.5	3	1.1	2.6	1	3.1	2
Radium 228 *(pCi/L)*		<1	<1	<1	<1	<1	2	<1	2.6	<1	2.3	1.5
Selenium (Se)	GPS (.01)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		12.2	12	12.1	11	12	11	13	12	9	6	12.8
Sulfate (SO4)		130	156	151	174	155	159	145	166	167	174	146
TDS @ 180° C.	**GPS (500)**	306	379	353	337	344	342	310	338	386	418	339
Temperature *(C)*		13	13	8	12	10.1	12.3	10.3	9.8	11.1	10.2	10
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	**GPS (36)**	17.3	27.8	28.3	33.5	31.6	30	19.1	21.1	44	37.2	28.6
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

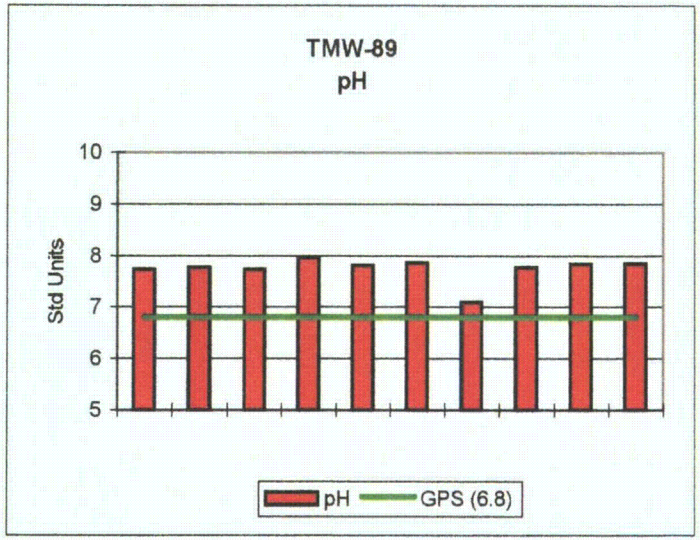

TMW-84
pH
Std Units
10
9
8
7
6
5
2004
2005
2006
2007
2008
pH (Std. Units)
GPS (6.8)

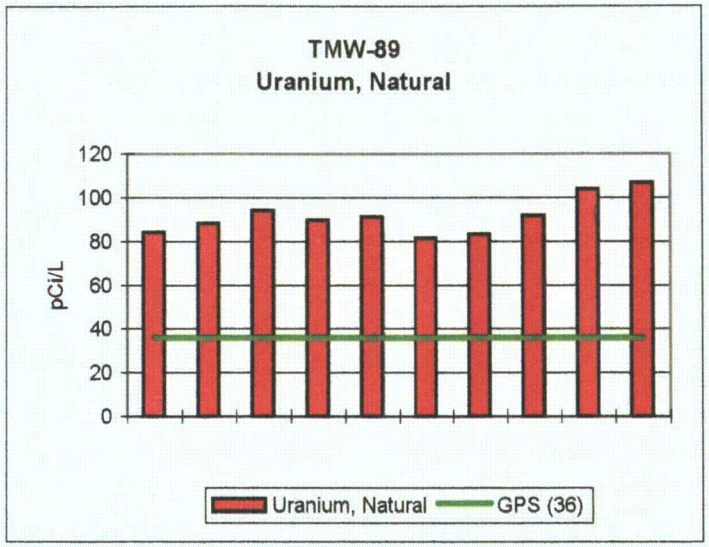

TMW-84
TDS
mg/L
600
500
400
300
200
100
0
2004
2005
2006
2007
2008
TDS @ 180° C.
GPS (500)

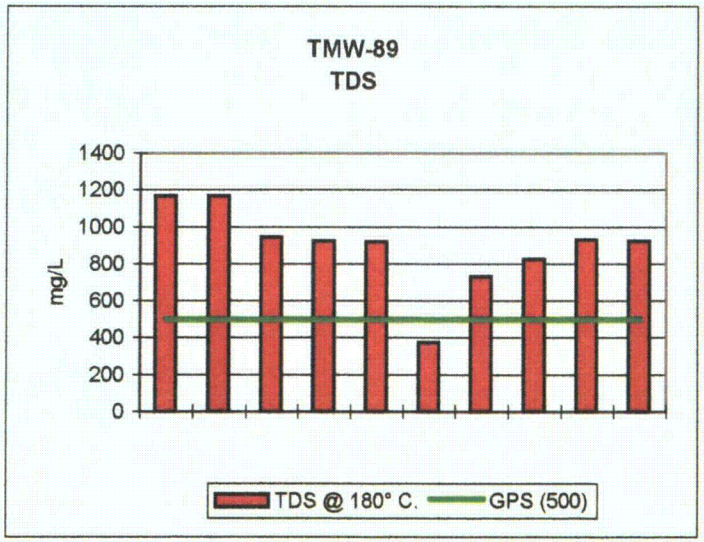

TMW-84
Uranium, Natural
pCi/L
50
40
30
20
10
0
2004
2005
2006
2007
2008
Uranium, Natural
GPS (36)

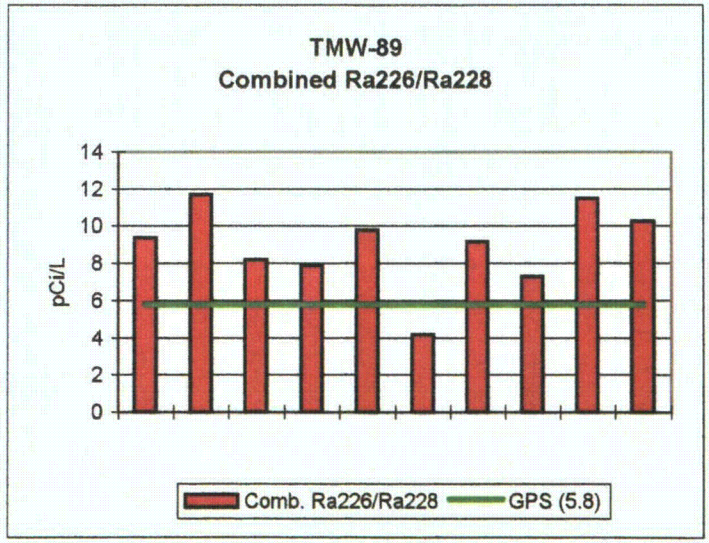
TMW 84.xls

KENNECOTT URANIUM COMPANY											
TMW-89											
PARAMETER *(mg/L unless noted)*	Groundwater Protection Standard (GPS) as of 5/26/05	5/5/2004	11/3/2004	5/3/2005	12/17/2005	5/8/2006	11/19/2006	6/6/2007	11/26/2007	4/29/2008	11/13/2008
TDS A/C Balance *(dec. %)*		1.07	1.05	0.94	0.97	0.99	1.07	0.97	1.13	0.932	-0.806
Silver (Ag)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminum (Al)	GPS (1.8)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alk-CaC03		58.2	63	67	70	76	90	82	91	79	81
Arsenic (As)	GPS (.05)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium (Ba)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron (B)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium (Be)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (Ca)		243	246	231	221	202	72.8	61	162	211	200
Cadmium (Cd)	GPS (.01)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride (Cl)		27.2	25	24	22	24	7	22	20	21	19
Cyanide (CN)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbonate (CO3)		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt (Co)		0.002	0.002	0.001	0.001	0.002	<0.001	0.001	0.001	0.001	0.001
Chromium (Cr)	GPS (.05)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper (Cu)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cond *(umhos/cm)*		1450	1430	1350	1230	1200	631	1070	1170	1190	1210
Cond-Field *(umhos/cm)*		980	740	860	760	116.5	591	932	1004	1079	1082
Fluoride (F)		0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1
Iron (Fe)	GPS (0.6)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11
Gross Alpha *(pCi/L)*	GPS (15)	4.9	4.9	7.9	4.2	4	1.8	7.4	5.9	5.9	8.1
Bicarbonate (HCO3)		71	77	82	85	93	110	100	111	97	99
Mercury (Hg)		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Potassium (K)		5.7	6.2	5.6	5.1	4.9	3	4.6	5.1	5	5
Magnesium (Mg)		23.7	25.6	22	21.9	19.9	7.2	15.3	14.3	18.9	18.5
Manganese (Mn)	GPS (0.2)	0.07	0.09	0.06	0.06	0.06	0.03	0.04	0.05	0.06	0.06
Molybdenum (Mo)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium (Na)		55.2	55.1	52.6	46.6	47.8	29.3	44	42	46	47
Nickel (Ni)	GPS (.01)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen, Nitrate+Nitrite as N		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Lead (Pb210) *(pCi/L)*	GPS (8.9)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Lead (Pb)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
pH *(Std. Units)*	**GPS (6.8)**	7.74	7.78	7.74	7.97	7.82	7.87	7.1	7.78	7.84	7.86
pH (Field) *(Std. Units)*		6.9	7.2	7.1	7.41	7.3	7.34	6.85	7.4	7.6	7.3
Radium 226 *(pCi/L)*		5.1	5.6	4.5	3.6	4.2	2	4.4	4	4.2	4
Combined Ra226/228 *(pCi/L)*	**GPS (5.8)**	9.4	11.7	8.2	7.9	9.8	4.2	9.2	7.3	11.5	10.3
Radium 228 *(pCi/L)*		4.3	6.1	3.7	4.3	5.6	2.2	4.8	3.3	7.3	6.3
Selenium (Se)	GPS (.01)	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica (SiO2)		3.6	4	4	6	6	5	7	7	3	6.5
Sulfate (SO4)		701	713	625	592	582	174	451	429	566	564
TDS @ 180° C.	**GPS (500)**	1170	1170	945	924	922	378	732	828	932	924
Temperature *(C)*		14	11	10	8.3	12	10	9.2	9.8	10	9.6
Thorium 230 *(pCi/L:)*	GPS (7.0)	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium (Tl)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Uranium, natural *(pCi/L)*	**GPS (36)**	84.3	88.5	94.4	89.8	91.5	81.6	83.5	91.9	104	107
Vanadium (V205)		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc (ZN)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01


TMW-89
pH
Std Units
10
9
8
7
6
5
pH
GPS (6.8)


TMW-89
Uranium, Natural
pCi/L
120
100
80
60
40
20
0
Uranium, Natural
GPS (36)


TMW-89
TDS
mg/L
1400
1200
1000
800
600
400
200
0
TDS @ 180° C.
GPS (500)


TMW-89
Combined Ra226/Ra228
pCi/L
14
12
10
8
6
4
2
0
Comb. Ra226/Ra228
GPS (5.8)