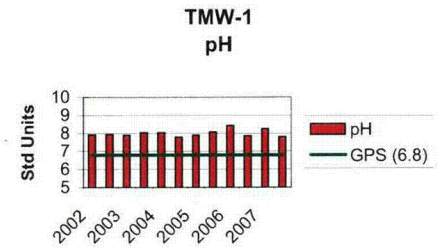
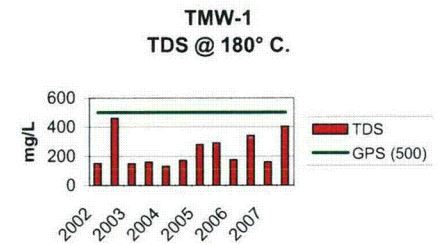
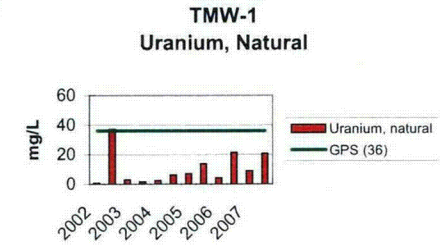
Tailings Monitor Well
and
Catchment Basin Monitoring Well
Data Analysis
&
Control Charts

KENNECOTT [illegible]M COMPANY													
TMW-1													
NORTHING: 150,107.66	Groundwater	**2002**		**2003**		**2004**		**2005**		**2006**		**2007**	
EASTING: 324,536.42	Protection												
ND = Non-detectable	Standard	01/14/02	07/11/02	01/13/03	07/01/03	01/06/04	07/13/04	01/04/05	07/12/05	01/11/06	07/25/06	01/10/07	07/17/07
FIELD PARAMETERS:	(GPS)												
Temperature (C)	as of 5/26/05	8		8	8	8	13	10	12	9.8	14.4	9.4	12.6
Ph (Standard units)		7.6		6.9	6.7	7.3	7.3	7.6	7.3	7.78	7.51	7.84	7.8
Conductivity (umho/cm)		240		280	240	240	200	400	280	230	500	270	515
TDS													
MAJOR IONS mg/l:													
Alkalinity (CaCO3)		82	130	85	81	81	82	99	108	90	110	85	116
Bicarbonate (HCO3)		99.4	158	103	98.2	98.2	101	120	132	107	134	104	142
Calcium (Ca)		16.7	100	17.4	16.8	17	20	46.7	60.9	22.2	72.2	28.1	79.6
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	-1
Chloride (Cl)		-1	-1	2.2	4.6	-1	4	2	2	2	4	3	4
Fluoride (F)		0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	-0.1	0.1	0.2	0.1
Magnesium (Mg)		-1	6	-1	-1	-1	1	2.4	3.6	1.2	4.4	1.7	5.1
Nitrate (NO3-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
Potassium (K)		1.1	2.9	2.7	1.1	1	2	1.8	1.7	1	1.5	1.5	2.6
Silica (SIO2)		12.8	7.7	10.6	12.2	12	12	12	11	11	10	11	9
Sodium (Na)		36.4	32.8	36.6	35.8	36	35	39.4	36.8	36.5	34.4	33.6	34.3
Sulfate (SO4)		39.6	204	39.2	39	45	47	102	134	53	153	56	164
NON-METALS:													
Cyanide (CN), total		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:													
Conductivity (umho/cm)		250	678	269	257	256	266	412	500	280	526	291	556
pH (s.u.)	GPS (6.8)	7.9	7.93	7.89	8.03	8.03	7.78	7.88	8.06	8.42	7.85	8.24	7.8
TDS @ 180 C.	GPS (500)	150	460	148	160	130	170	279	290	176	340	160	402
METALS - DISSOLVED:													
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
Arsenic (As)	GPS (.05)	0.002	0.001	0.002	0.002	0.002	0.003	0.002	-0.001	0.001	-0.001	-0.002	-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
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
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
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
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
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
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
Iron (Fe), Dissolved	GPS (0.6)	-0.1	0.156	-0.05	-0.05	-0.05	-0.05	-0.05	0.14	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.01	0.11	0.01	0.01	-0.01	0.04	0.05	0.07	0.02	0.08	0.03	0.09
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	0.0004	-0.0002
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
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
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
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
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
Vanadium (V)		-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 (Z)		0.06	-0.01	-0.01	0.02	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	0.02	-0.01
RADIOMETRIC pCi/l:													
Uranium, natural	GPS (36)	0.745	37.0996	2.9	1.5	2.4	6.2	7	13.7	4.2	21.3	8.9	20.8
Radium 226		1	4.9	1.2	0.8	0.5	0.7	1.4	1.7	1	2.2	1.1	2.4
Radium Precision +/-		0.2	0.5	0.3	0.2	0.4	0.2	0.7	0.5	0.4	0.7	0.5	0.6
Radium 228		1.9	-1	-1	-1	-1	-1	-1	-1	-1	1.2	-1	2.8
Radium Precision +/-		1									0.8		0.9
Combined Ra226/228	GPS (5.8)	2.9	4.9	1.2	0.8	0.5	0.7	1.4	1.7	1	3.4	1.1	5.2
Thorium 230	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
Thorium Precision +/-													
Lead (Pb210)	GPS (8.9)	-1	-2.7	-2.7	-2.7	-2.7	-1		-1	-1	-1	-1	-1
Lead Precision +/-													
Gross Alpha	GPS (15)	-1	4.6	1.5	-1	-1	1.5	1.9	4	1.3	2.1	1.2	2.8
Gross Alpha Precision +/-			1	1			1	1.4	1.8	0.8	0.8	0.4	0.5
QUALITY ASSURANCE DATA:													
TDS A/C Balance (dec. %)		1.03	1.05	0.91	0.99	0.87	1	1.05	0.92	0.97	0.99	0.86	1.09
(LAB: Energy Labs Inc. unless noted.)													

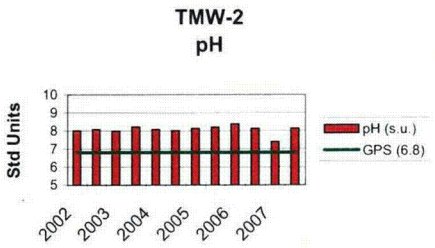
Control Charts

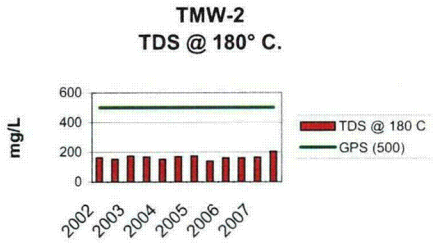




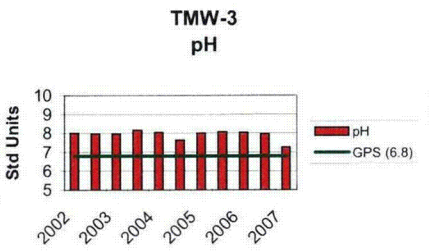


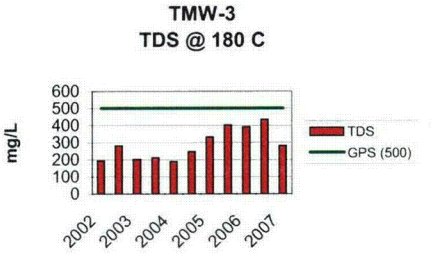
KENNECOT[illegible]UM COMPANY													
TMW-2													
NORTHING: 147,133.96	Groundwater	2002		2003		2004		2005		2006		2007	
EASTING: 324,360.13	Protection												
ND = Non-detectable	Standard	01/14/02	07/11/02	01/13/03	07/01/03	01/06/04	07/13/04	01/04/05	07/12/05	01/16/06	08/10/06	02/11/07	07/18/07
FIELD PARAMETERS:	(GPS)												
Temperature (C)	as of 5/26/05	8		8	8	8	13	11	13	7.5	14.2	10	11
pH (Std. Units)		7.7		6.7	6.7	7.2	7.6	7.9	8.5	7.8	7.39	7.45	8.4
Cond (umho/cm)		1240		240	260	280	200	260	180	230	252	255	248
TDS													
MAJOR IONS mg/l:													
Alk-CaC03		87	84	88	87	89	84	84	88	88	88	92	90
Bicarbonate (HCO3)		106	102	107	106	108	103	103	107	104	107	112	110
Calcium (Ca)		21.4	18	23.3	21.7	26	22	18.7	21.3	24	26.8	29.9	24.8
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1
Chloride (Cl)		2.6	-1	-1	5.9	1.2	4	2	2	3	6	3	2
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
Magnesium (Mg)		1	-1	1.2	1	1.3	1	0.9	0.9	1.3	1.4	1.6	1.3
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		1.3	1.5	2.8	1.5	1.5	2	1.3	1.1	1.5	2	1.8	1.5
Silica (SiO2)		13	11.9	11.5	12.8	13	12	13	12	13	13	14	13
Sodium (Na)		33.5	37.4	34.1	34.5	32	33	35.6	34.2	31.6	32.6	35.4	34.4
Sulfate (SO4)		41.4	38.3	41.4	42.4	46	42	39	45	44	47	55	46
NON-METALS:													
Cyanide (CN), total		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:													
Cond (umho/cm)		265	254	280	272	283	265	256	277	270	293	282	268
pH (s.u.)	GPS (6.8)	8	8.07	7.99	8.22	8.07	8	8.12	8.2	8.37	8.13	7.39	8.12
TDS @ 180 C	GPS (500)	162	153	174	167	152	169	173	140	160	160	166	204
TRACE METALS mg/l:													
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
Arsenic (As)	GPS (.05)	0.002	0.002	0.002	0.002	0.001	0.001	0.002	0.002	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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-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 (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
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	0.02	0.01
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
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
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
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
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
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
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
Zinc (ZN)		0.05	-0.01	-0.01	0.01	-0.01	-0.01	0.01	0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:													
Uranium, natural	GPS (36)	0.406	-0.0003	0.5	0.6	1	1.4	0.3	0.6	0.3	0.4	0.4	0.3
Radium 226		1.1	0.6	1.2	0.8	0.9	0.8	-0.2	0.6	-0.2	0.6	0.8	0.5
Radium Precision +/-		0.2	0.2	0.2	0.2	0.4	0.2		0.3		0.3	0.5	0.3
Radium 228		-1	-1	-1	-1	5.7	-1	-1	-1	-1	-1	-1	2.2
Radium Precision +/-						1.2							0.9
Combined Ra226/228	GPS (5.8)	1.1	0.6	1.2	0.8	6.6	0.8	0	0.6	0	0.6	0.8	2.7
Thorium 230	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
Thorium Precision +/-													
Lead (Pb210)	GPS (8.9)	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-													
Gross Alpha	GPS (15)	1.4	-1	1.4	-1	1.7	-1	-1	1.6	-1	1.2	-1	1.3
Gross Alpha Precision +/-		1		1		1			1.5		0.6		0.4
QUALITY ASSURANCE DATA:													
TDS A/C Balance (dec. %)		1.04	0.95	1.03	0.96	0.94	1.01	1.07	0.82	0.94	0.88	0.85	1.16
(LAB: Energy Labs Inc. unless noted.)													



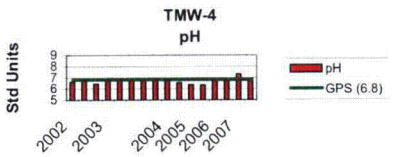


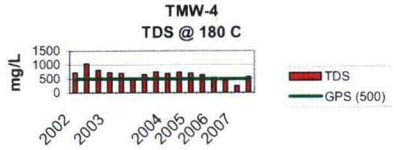
KENNECOTT URANIUM COMPANY													
TMW-3													
NORTHING: 145,984.03	Groundwater												
EASTING: 324,361.03	Protection	2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	01/14/02	07/11/02	01/13/03	07/01/03	01/06/04	07/13/04	01/04/05	07/12/05	01/12/06	08/15/06	02/11/07	07/22/07
FIELD DATA:	(GPS)												
Temperature (C)	as of 5/26/05	8	8	8	8	8	15	10	15	8.5	12.3	8.7	11
pH (Std. Units)		7.3	6.8	7.2	6.8	7.2	7.4	7.2	7.6	7.51	7.32	7.47	8
Cond (umho/cm)		280	380	260	340	360	280	480	380	440	629	407	477
TDS (mg/L)													
MAJOR IONS mg/l:													
Alk-CaCO3		88	94	88	89	89	90	96	107	103	100	98	100
Bicarbonate (HCO3)		107	115	107	109	108	110	117	130	125	122	120	120
Calcium (Ca)		27	48.6	28.4	33	32	41	57.2	85.5	77.7	91.3	57.6	62.7
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		2.5	-1	-1	2.6	-1	6	4	4	6	6	5	4
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.1	0.1	0.2	0.2
Magnesium (Mg)		1.7	3.4	1.8	2.1	1.9	3	4	7	6.8	7.6	4.1	5.3
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		1.4	2	2.8	1.7	1.5	2	1.9	2	2.3	2.4	2.2	2.1
Silica (SiO2)		13	12.3	10.9	12.7	13	12	13	13	14	15	14	12
Sodium (Na)		34	39.6	35.4	35.8	34	36	38.2	41.6	38.6	42.1	41.9	39.8
Sulfate (SO4)		60.4	114	61.3	76.7	67	96	134	208	189	226	137	154
NON-METALS mg/l:													
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
PHYSICAL PROPERTIES:													
Cond (umho/cm)		304	437	404	348	332	384	481	657	593	690	445	493
pH (units)	GPS (6.8)	8	7.97	7.95	8.15	8.03	7.63	8	8.07	8.04	7.97	7.25	7.97
TDS (mg/L)	GPS (500)	193	282	202	212	188	248	333	402	390	434	282	304
METALS - DISSOLVED mg/l:													
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
Arsenic (As)	GPS (.05)	0.002	0.002	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.002	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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	0.093	-0.05	-0.05	-0.05	0.06	0.06	0.24	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.01	0.03	0.02	0.02	0.02	0.02	0.04	0.05	0.06	0.05	0.03	0.04
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
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
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
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
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
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
Vanadium (v2O5)		-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	0.02	-0.01	0.02	0.01	-0.01	-0.01	-0.01	-0.01	0.01
RADIOMETRIC pCi/l:													
Uranium, natural	GPS (36)	2.166	-0.2	0.4	0.6	0.6	1.1	0.7	1.5	1.3	1.9	0.5	1
Radium 226		0.8	1	0.8	1.1	0.7	0.9	1	2.4	1.1	2.1	1.3	1.2
Radium Precision +/-		0.2	0.2	0.2	0.2	0.4	0.2	0.5	0.5	0.7	0.5	0.6	0.4
Radium 228		-1	-1	-1	-1	-1	-1	1.9	-1	-1	1.5	2.5	-1
Radium Precision +/-								1			0.7	0.9	
Combined Ra226/228	GPS (5.8)	0.8	1	0.8	1.1	0.7	0.9	2.9	2.4	1.1	3.6	3.8	1.2
Thorium 230	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
Thorium Precision +/-													
Lead (Pb210)	GPS (8.9)	-1	-1	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-													
Gross Alpha	GPS (15)	-1	-1	1.2	-1	2.6	1.7	-1	-1	2.4	1.5	-1	-1
Gross Alpha Precision +/-				1		1	1			1	1		
QUALITY ASSURANCE DATA:													
TDS A/C Balance (dec. %)		1.06	1.01	1.03	0.96	0.99	0.99	1.07	0.94	0.98	0.96	0.88	0.89
(LAB: Energy Labs Inc. unless noted.)													

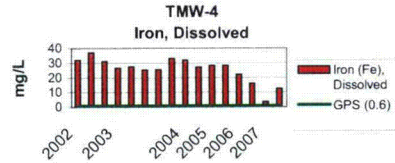


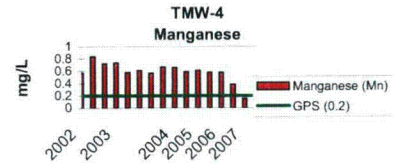


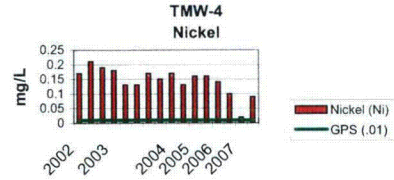
KENNECOTT URANIUM COMPANY																	
TMW-4																	
NORTHING: 147,141.81	Groundwater	2002			2003					2004		2005		2006		2007	
EASTING: 323,176.55	Protection																
ND = Non-detectable	Standard	1/14/02	7/16/02	10/10/02	1/1/03	3/10/03	5/13/03	7/1/03	9/17/03	1/6/04	7/19/04	1/4/05	7/12/05	1/12/06	7/25/06	2/11/07	7/17/07
FIELD PARAMETERS:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	12	10	14	8	18.8	9.9	12.1
Ph (Standard units)		6.5	6.2	6.3	6.3	6.3	6.5	6.1	6.4	8	6.5	6.2	6.7	6.65	6.73	6.65	7.2
Conductivity (umho/cm)		780	880	840	760	760	500	640	650	800	560	880	500	590	613	419	718
TDS (mg/l)																	
MAJOR IONS mg/l:																	
Alkalinity (CaCO3)		47	24	17	30	41	22	29	42	41	31	30	28	70	54	70	64
Bicarbonate (HCO3)		56.7	28.7	20.1	36	49.4	26.8	35.4	51.2	49.4	37	36	35	85	66	85	78
Calcium (Ca)		117	173	161	108	110	100	100	120	117	103	105	106	90.6	74.9	39.8	88.5
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		5.4	8.7	13.1	3.9	4.9	6.5	5.1	8.1	1.9	7	6	4	5	4	5	5
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.2
Magnesium (Mg)		24	32.5	29.3	22.5	24.2	21.6	22.8	25.7	26	22.8	24	25.9	21.8	16	6.7	18.3
Nitrate (NO3-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
Potassium (K)		2.9	3.7	4.4	4.3	3.1	3.4	3	3.2	3	2.8	3.1	3	3	1.8	3	2.7
Silica (SIO2)		16.8	18.7	19	15.7	16.7	15.2	16.4	17.5	17	16	18	18	17	16	12	14
Sodium (Na)		43.8	49.2	46.5	39.6	45.4	41.3	43.1	42.6	42	41.8	43.7	44.8	41.9	42	41.6	47
Sulfate (SO4)		450	700	555	448	398	387	390	436	434	388	410	435	347	287	140	318
NON-METALS:																	
Cyanide (CN), totals		-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
PHYSICAL PROPERTIES:																	
Conductivity (umho/cm)		975	1220	1170	1010	922	868	845	944	968	913	864	956	789	693	441	776
pH (s.u.)	GPS (6.8)	6.6	6.71	6.43	6.69	6.85	6.81	6.77	6.82	6.86	6.53	6.34	6.32	6.73	6.71	7.31	6.89
TDS @ 180° C. mg/l	GPS (500)	716	1040	807	716	692	457	641	740	680	731	692	637	541	462	244	568
METALS-DISSOLVED mg/l:																	
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
Arsenic (As)	GPS (.05)	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.003	0.002	0.001	0.002	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
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
Boron (B)		-0.1	0.11	-0.1	-0.1	0.12	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
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
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
Cobalt (Co)		0.105	0.138	0.122	0.118	0.098	0.106	0.104	0.118	0.117	0.098	0.1	0.101	0.095	0.062	0.017	0.061
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
Iron (Fe), Dissolved	GPS (0.6)	32	36.9	31	26.4	27.3	25.2	25.4	33.1	32	27.2	28.1	28.3	22	15.9	3.57	12.5
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
Manganese (Mn)	GPS (0.2)	0.57	0.84	0.72	0.74	0.58	0.61	0.57	0.67	0.66	0.59	0.61	0.58	0.58	0.38	0.15	0.44
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
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
Nickel (Ni)	GPS (.01)	0.17	0.21	0.19	0.18	0.13	0.13	0.17	0.15	0.17	0.13	0.16	0.16	0.14	0.1	0.02	0.09
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
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
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
Vanadium (V)		-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 (Z)		0.13	0.1	0.11	0.12	0.09	0.07	0.12	0.07	0.09	0.07	0.11	0.08	0.08	0.06	0.01	0.05
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	1.69	4.6036	5.7	2.6	1.9	1.6	2.6	1.7	2.5	3.5	2.9	4.5	4.9	5.5	2.9	5.2
Radium 226		1.7	4.1	3.4	3.2	1.9	1.6	3.6	1.7	2.2	1.8	1.2	3.2	1	1.2	-0.2	1.5
Radium Precision +/-		0.2	0.3	0.3	0.4	0.3	0.2	0.4	0.3	0.6	0.4	0.5	0.6	0.7	0.6		0.5
Radium 228		5.5	10	11.8	-1	4.8	3.1	-1	6.5	3.7	-1	3.4	2.6	1.8	6.3	1.3	2.3
Radium Precision +/-		1	1.6	1.2		1.1	1.2		1.3	1.2		1	1.1	1.1	0.9	0.9	0.9
Combined Ra226/228	GPS (5.8)	7.2	14.1	12.2	3.2	6.7	4.7	3.6	8.2	5.9	1.8	4.6	5.8	2.8	7.5	1.3	3.8
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-							0.3										
Lead (Pb210)	GPS (8.9)	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	2.4	5	2	1	3.9	1.2	-1	4.6	-1	4.6	3.1	5.6	2.3	-1	-1	2.1
Gross Alpha Precision +/-		1	1	1	0.4	1	1		1.2		1.6	1.6	2	1			0.5
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.01	0.99	0.96	1.03	1.05	0.77	1.06	1.12	1.05	1.2	1.1	0.98	0.95	0.97	0.84	1.07
(LAB: Energy Labs Inc. unless noted.)																	

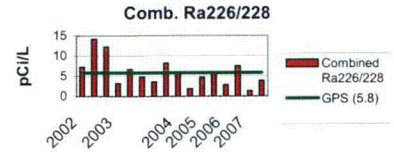




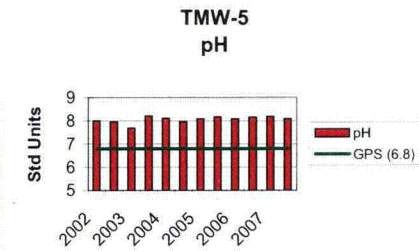


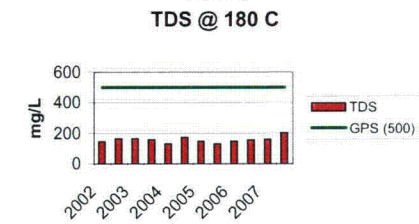






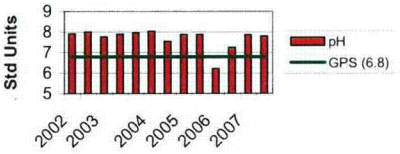
KENNE[illegible]RANIUM COMPANY													
TMW-5													
NORTHING: 149,053.50 EASTING: 328,102.80	Groundwater Protection	2002		2003		2004		2005		2006		2007	
ND=Non-detectable	Standard	1/15/02	7/16/02	1/20/03	7/1/03	1/6/04	7/19/04	1/10/05	7/12/05	1/16/06	8/15/06	2/11/07	7/18/07
FIELD DATA mg/l:	(GPS)												
Temperature (C)	as of 5/26/05	8	8	8	8	8	14	14	14	7.8	11.7	9.1	13
pH (Std. Units)		7.3	6.8	7.2	7.1	7.4	7.6	7.9	7.5	7.64	7.36	7.57	8.3
Cond (umho/cm)		240	220	240	240	340	180	260	160	220	236	238	244
TDS (mg/l)													
MAJOR IONS mg/l:													
Alk-CaCO3		88	87	87.5	87	88	84	90	83	92	88	89	94
Bicarbonate (HCO3)		107	106	107	106	107	103	109	101	113	107	109	115
Calcium (Ca)		20.4	19.8	21.3	21.9	22	21.6	23.9	20.3	23.5	24.2	25	25.9
Carbonate (CO3)		-1	-1	5.2	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		3	-1	5.7	7.2	3.9	3	-1	-1	2	2	2	2
Fluoride (F)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.1	0.1	0.2	0.2
Magnesium (Mg)		-1	-1	1	1.1	1	1	1.2	1	1.2	1	1.2	1.3
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		1.3	1.4	2.7	1.6	1.4	1.3	1.5	1.1	1.5	1.4	1.6	1.5
Silica (SiO2)		13.7	13.4	12.9	13.4	14	13	13	13	14	15	13	13
Sodium (Na)		30.2	31.9	37.2	30.9	30	31.3	31.4	31	29.8	32.2	32.5	33.9
Sulfate ((SO4)		31.5	29.1	32.1	35.6	34	30	36	31	37	40	41	44
NON-METALS:													
Cyanide (CN), totals		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:													
Cond (umho/cm)		240	237	232	258	251	263	256	247	264	283	262	270
pH (units)	GPS (6.8)	8	7.94	7.67	8.2	8.1	7.95	8.08	8.16	8.08	8.15	8.17	8.07
TDS @ 180° C. (mg/l)	GPS (500)	145	164	163	157	131	171	146	130	146	156	160	202
METALS-DISSOLVED mg/l:													
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-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 (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
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	-0.01
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
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
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
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
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
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
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
Zinc (Zn)		-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:													
Uranium, natural	GPS (36)	0.2708	1.2186	1	0.4	0.5	1.5	0.5	0.5	0.4	0.3	0.3	0.4
Radium 226		0.9	0.7	0.8	1.1	0.7	1	0.8	0.6	-0.2	1.1	1.3	0.5
Radium Precision +/-		0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.4		0.4	0.6	0.3
Radium 228		2.2	-1	-1	-1	2.2	-1	-1	-1	-1	1.5	2	-1
Radium Precision +/-		1				1.1					0.7	0.9	
Combined Ra226/228	GPS (5.8)	3.1	0.7	0.8	1.1	2.9	1	0.8	0.6	0	2.6	3.3	0.5
Thorium 230	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
Thorium Precision +/-													
Lead (Pb210)	GPS (8.9)	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-													
Gross Alpha	GPS (15)	-1	-1	1.9	-1	-1	-1	-1	-1	-1	1.4	1.3	1.3
Gross Alpha Precision +/-				1							0.9	0.5	0.4
QUALITY ASSURANCE DATA:													
TDS A/C Balance (dec. %)		1.02	1.09	0.97	0.95	0.91	1.13	0.91	0.88	0.88	0.93	0.94	1.13
(LAB: Energy Labs Inc. unless noted.)													



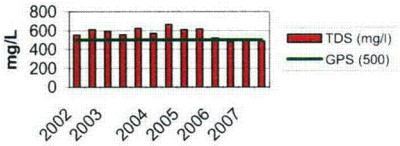


KENNECOTT URANIUM COMPANY														
TMW-6														
NORTHING: 145,356.25	Groundwater	2002		2003			2004		2005		2006		2007	
'EASTING: 327,464.50	Protection													
ND = Non-detectable	Standard	01/14/02	07/16/02	01/20/03	03/10/03	07/01/03	01/06/04	07/19/04	01/10/05	07/13/05	01/12/06	08/15/06	02/11/07	07/22/07
FIELD PARAMETERS:	(GPS)													
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	13	11	13	8.6	14.7	9.7	13
Ph (Standard units)		7.2	6.8	6.9	6.8	6.8	8.4	7.7	7.3	7.2	7.41	7.31	7.3	7.7
Conductivity (umho/cm)		840	660	700	700	880	820	500	780	480	560	718	730	736
TDS (mg/l)														
MAJOR IONS mg/l:														
Alkalinity (CaCO3)		146	152	150	156	149	152	150	154	150	142	146	119	140
Bicarbonate (HCO3)		178	185	182	190	182	185	183	188	183	174	179	145	170
Calcium (Ca)		118	134	125	125	133	137	140	142	138	116	116	118	116
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		5.8	10.5	10.9	5	9.2	9.8	7	5	9	7	5	6	5
Fluoride (F)		0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	-0.1	0.1	0.2	0.2
Magnesium (Mg)		9.5	11.2	10.4	10	11.4	11	11.5	12.1	12	10.4	9.4	10.3	10.2
Nitrate (NO3-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
Potassium (K)		2.8	3.2	3.7	3.7	3.4	3	3	3.4	2.5	2.9	2.8	3	3
Silica (SIO2)		13.6	13.4	12.6	12.1	13.2	14	13	13	15	14	14	13	12
Sodium (Na)		38.7	41.9	43.9	39.4	40.6	39	41.8	41.4	42	39.6	39.3	39.9	42.1
Sulfate (SO4)		259	298	266	266	302	294	289	300	305	256	258	265	268
NON-METALS:														
Cyanide (CN) (mg/l)		-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
PHYSICAL PROPERTIES:														
Conductivity (umho/cm)		784	853	797	841	875	852	907	861	848	757	783	783	750
pH	GPS (6.8)	7.9	7.99	7.76	7.88	7.95	8.03	7.54	7.87	7.87	6.21	7.23	7.85	7.78
TDS @ 180° C. (mg/l)	GPS (500)	551	609	589	553	621	568	663	608	616	518	480	496	484
METALS-DISSOLVED mg/l:														
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
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
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
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
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
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
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
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
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
Iron (Fe), Dissolved	GPS (0.6)	0.237	-0.05	0.185	0.168	-0.05	0.18	0.12	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.07	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.07	0.08	0.07
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
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
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
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
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
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
Vanadium (V)		-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 (Z)		-0.01	-0.01	0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:														
Uranium, natural	GPS (36)	2.0987	3.2496	2.8	2.5	3.6	2.4	3.3	3.7	3.3	2.8	2.4	2.5	2.5
Radium 226		2.9	3.2	3.5	5.1	3.8	3.5	3.2	3.1	3.3	1.2	3.6	2.3	2.6
Radium Precision +/-		0.3	0.3	0.4	0.4	0.4	0.7	0.5	0.7	0.7	1	0.6	0.7	0.6
Radium 228		5.1	4.5	-1	4.9	-1	7.9	7.4	4.4	2.2	-1	4.2	3.8	1.8
Radium Precision +/-		1	1.4		1.1		1.3	2.1	1	1.2		0.8	0.9	0.9
Combined Ra226/228	GPS (5.8)	8	7.7	3.5	6	3.8	11.4	10.6	7.5	5.5	1.2	7.8	6.1	4.4
Thorium 230	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
Thorium Precision +/-														
Lead (Pb210)	GPS (8.9)	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	7.1	-1	-1	-1
Lead Precision +/-											3.2			
Gross Alpha	GPS (15)	4.2	2.3	4.8	6.6	3.3	3.7	4.6	2.6	4.2	3	2.2	2.9	3.4
Gross Alpha Precision +/-		1.2	1	1	1.2	1	1.2	1.6	1.2	1.5	1.1	1	0.7	0.6
QUALITY ASSURANCE DATA:														
TDS A/C Balance (dec. %)		1.05	1	1.04	0.99	1.02	0.97	1.11	1	1	0.97	0.9	0.94	0.89
(LAB: Energy Labs Inc. unless noted.)														

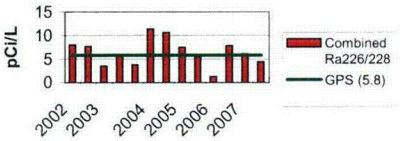
TMW-6
pH



TMW-6
TDS @180 C

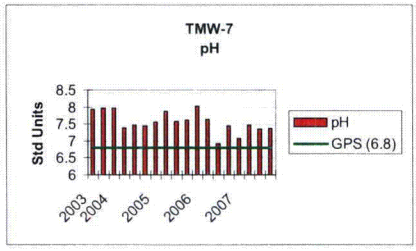


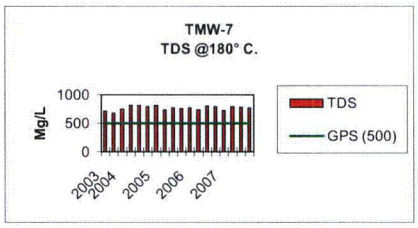
TMW-6
Combined Ra226/228

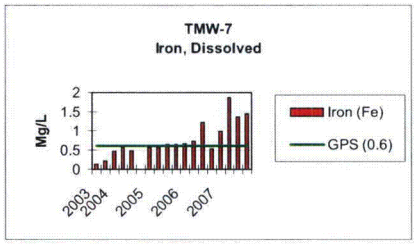


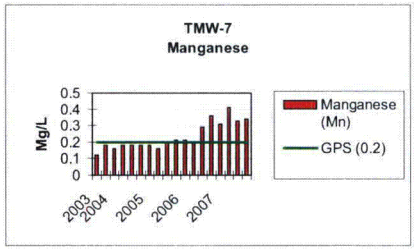
KENNECO[illegible]IUM COMPANY																		
TMW-7																		
NORTHING: [illegible]39.65	Groundwater	**2003**		**2004**				**2005**				**2006**				**2007**		
EASTING: 325,014.01	Protection																	
ND = Non-detectable	Standard	8/26/03	10/20/03	1/5/04	4/5/04	7/12/04	10/7/04	1/5/05	4/6/05	7/11/05	11/7/05	1/11/06	4/10/06	7/3/06	10/5/06	1/10/07	4/11/07	7/22/07	10/1/07
FIELD DATA mg/l:	(GPS)																	
Temperature (C)	as of 5/26/05	8	8	6	11	14	11	9	11	18	9.5	9.2	11.7	14.9	12.7	9.4	9.4	12.8	12
pH (Std. Units)		6.8	6.5	6.7	6.8	6.6	6.7	6.6	6.6	6.6	7.06	7.08	7.19	6.91	6.9	6.98	7.04	7.1	7.1
Cond. (umho/cm)		700	780	940	800	860	680	1040	740	680	680	800	680	1021	1118	1089	1018	1012	952
TDS																		
MAJOR IONS mg/l:																		
Alk-CaCO3		169	157	169	178	169	167	171	173	169	170	175	171	166	168	167	179	170	169
Bicarbonate (HCO3)		206	192	206	217	206	203	208	211	206	207	214	209	203	205	204	218	210	206
Calcium (Ca)		142	150	176	192	182	188	173	180	180	156	171	178	171	180	170	183	166	150
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		17.7	13.9	55	21.4	23	23	21	23	22	22	22	24	32	27	26	30	24	27
Fluoride (F)		0.1	0.1	0.1	-0.1	-0.1	-0.1	0.1	-1	0.1	-0.1	-0.1	0.1	-0.1	-0.1	0.1	0.2	-0.1	0.1
Magnesium (Mg)		10.4	10	12	12.2	12	12.4	11.6	11.8	12.6	11.8	12.6	12.8	12.9	15.6	13.9	16.2	13.6	11.8
Nitrate-N (NO3)		-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
Potassium (K)		5.6	3.8	4	3.9	4	3.8	3.6	3.7	3.6	3.3	3.6	3.6	3.7	3.7	3.7	3.9	3.7	4
Silica (SiO2)		14.9	17.8	18	18.3	18	19	18	18	18	17	17	18	18	16	18	17	15	17
Sodium (Na)		67.3	47	50	52.3	51	53.2	48.5	49.9	49.2	46.4	49.2	45.6	48.5	52.4	50.9	49.8	49.8	47.5
Sulfate (SO4)		360	342	364	404	396	395	371	366	377	340	364	369	386	383	366	405	375	336
NON-METALS:																		
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
PHYSICAL PROPERTIES:																		
Cond (umho/cm)		1000	969	1050	1120	1050	1070	1050	1040	1100	1070	1040	1030	1110	1100	1040	1150	1090	1120
pH	GPS (6.8)	7.94	7.97	7.97	7.39	7.46	7.44	7.56	7.88	7.58	7.62	8.03	7.63	6.93	7.44	7.07	7.46	7.35	7.37
TDS @ 180° C.	GPS (500)	711	679	741	811	806	787	807	728	762	753	764	734	798	790	720	790	780	766
METALS-DISSOLVED mg/l:																		
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
Arsenic (As)	GPS (.05)	0.005	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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.129	0.213	0.46	0.552	0.48	-0.05	0.55	0.56	0.64	0.64	0.65	0.72	1.22	0.52	0.99	1.87	1.36	1.44
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
Manganese (Mn)	GPS (0.2)	0.12	0.18	0.16	0.18	0.18	0.18	0.18	0.16	0.2	0.21	0.21	0.2	0.29	0.36	0.31	0.41	0.33	0.34
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
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
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
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
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
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
Vanadium (V2O5)		-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)		0.03	-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	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																		
Uranium, natural	GPS (36)	7.1	4.3	1.3	2	2.6	3	2.8	3.1	3.2	3.7	3.3	4.1	4.4	4.7	3.6	4.7	5.1	5.1
Radium 226		1.7	1.5	1.5	1.1	1.5	1.8	1.2	1.4	1.8	1.9	1.3	1.7	1.6	1.9	2.5	2	2.3	1.2
Radium Precision +/-		0.3	0.2	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.7	0.5	0.5	0.3
Radium 228		-1	-1	-1	5.1	6.4	2.7	3.8	2.7	4.1	2.8	4.2	-1	3	2.9	-1	2.9	4	5.9
Radium Precision +/-					1.5	1.5	1.1	1	1.3	0.9	1	1		0.8	1.1		0.9	1	0.9
Combined Ra226/228	GPS (5.8)	1.7	1.5	1.5	6.2	7.9	4.5	5	4.1	5.9	4.7	5.5	1.7	4.6	4.8	2.5	4.9	6.3	7.1
Thorium 230	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
Thorium Precision +/-																			
Lead (Pb210)	GPS (8.9)	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																			
Gross Alpha	GPS (15)	1.7	2.6	3	3.4	1.9	-1	2.8	1.8	5	1.8	1.9	2	1.5	2.6	1.7	5.4	2.5	3.5
Gross Alpha Precision +/-		1	1.1	1.1	1.2	1		1.5	2.3	1.9	1	0.9	0.8	0.9	0.7	0.5	0.9	0.5	0.9
QUALITY ASSURANCE DATA:																		
TDS A/C Balance (dec. %)		0.98	1.03	0.97	1.02	1.02	0.99	1.08	0.96	1	1.08	1.03	0.97	1.03	1.01	0.96	0.97	1.04	1.1
(LAB: Energy Labs Inc. unless noted.)																		

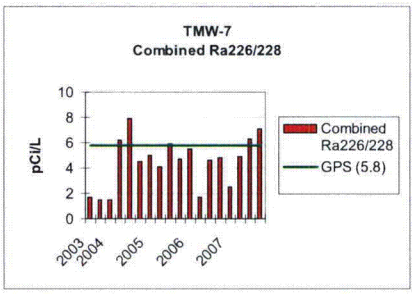
KENNECOTT URANIUM COMPANY	
TMW-7	
NORTHING: 149,339.65	Groundwater
EASTING: 325,014.01	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	



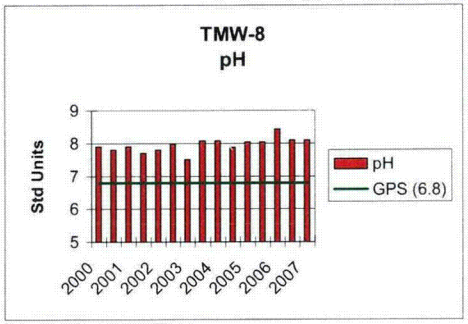


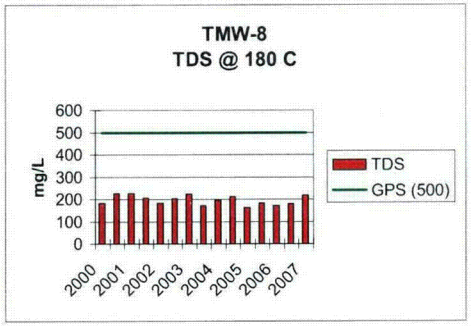


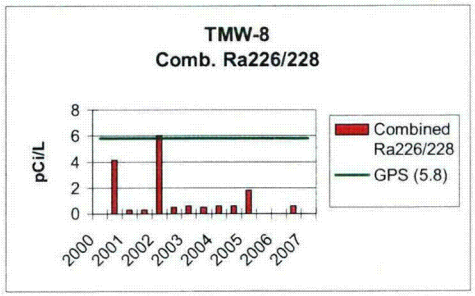




KENNECOTT [redacted] M COMPANY																
TMW-8																
NORTHING: 14[redacted]5	Groundwater	2000		2001		2002		2003		[redacted]		2005		2006		2007
EASTING: 324,561.80	Protection															
ND = Non-detectable	Standard	01/05/00	07/19/00	07/25/01	10/02/01	01/14/02	07/16/02	01/20/03	07/14/03	01/13/04	07/20/04	01/10/05	07/13/05	01/17/06	08/23/06	07/18/07
FIELD DATA mg/l:	(GPS)															
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	14	13	14	7.9	13.6	12.4
pH (Std. Units)		7.3	7.2	7.3	7.3	7.2	6.6	6.9	6.7	8.8	7.2	7.1	7.5	7.81	7.7	8.2
Cond (umho/cm)		240	280	280	300	300	280	300	280	280	240	260	180	250	270	274
TDS																
MAJOR IONS mg/l:																
Alk-CaC03		95	83	85	86	85	85	85	85	86	84	84	83	85	84	86
Bicarbonate (HCO3)		116	101	103	104	103	103	103	103	104	102	103	101	101	102	105
Calcium (Ca)		27.6	27.6	27	27	26.9	27.7	27.2	25.9	33.7	26.7	25.3	24.2	23.6	23.9	25
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1
Chloride (Cl)		1	7.98	10.1	4.2	4.5	-1	6	-1	14.7	3	-1	4	3	3	2
Fluoride (F)		0.19	0.19	0.22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.1	0.2	0.2
Magnesium (Mg)		0.95	1	1.4	1	-1	1	1	-1	1.2	1	1	0.9	0.9	0.8	1
Nitrate-N (NO3)		-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
Potassium (K)		1.7	1.4	2.9	1.5	1.5	1.7	2.3	1.5	6.3	1.4	1.6	0.8	1.5	1.3	1.5
Silica (SiO2)		12.2	12.7	12.6	12.4	12.7	12.4	11.7	12.3	13.8	12	12	13	13	14	13
Sodium (Na)		38.2	36.8	35	38.4	36.8	39.3	41.6	37.7	42.2	37.5	36.5	36.3	35.1	35.1	38.7
Sulfate (SO4)		68.1	66.7	58.8	58.3	63.6	64.1	63.3	58.8	81	56	53	52	51	56	57
NON-METALS mg/L:																
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
PHYSICAL PROPERTIES:																
Cond (umho/cm)		323	322	312	313	312	309	302	316	312	335	290	280	282	310	287
pH (units)	GPS (6.8)	7.9	7.8	7.9	7.7	7.8	7.97	7.5	8.07	8.08	7.88	8.03	8.04	8.43	8.1	8.09
TDS @ 180° C. (mg/L)	GPS (500)	182	225	225	205	183	203	223	170	194	213	161	182	170	180	218
METALS - DISSOLVED mg/L:																
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
Arsenic (As)	GPS (.05)	0.002	0.002	0.002	0.0021	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	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	-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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.19	0.22	0.15	0.04	0.117	-0.05	0.05	0.076	-0.05	0.23	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.09	0.09	0.07	0.068	0.06	0.01	0.04	0.02	-0.01	0.19	-0.01	-0.01	0.04	0.04	0.03
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
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
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
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
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
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
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
Zinc (ZN)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.04	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (36)	1.1	0.625	0.9	0.61607	0.6093	0.7447	0.07	2.1	3.3	1	0.6	0.5	0.3	-0.2	0.3
Radium 226		-0.2	0.7	0.3	0.3	0.6	0.5	0.6	0.5	0.6	0.6	-0.2	-0.2	-0.2	0.6	-0.2
Radium Precision +/-			0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.4	0.3				0.3	
Radium 228		-1	3.4	-1	-1	5.4	-1	-1	-1	-1	-1	1.8	-1	-1	-1	-1
Radium Precision +/-			0.2			1.7						1				
Combined Ra226/228	GPS (5.8)	0	4.1	0.3	0.3	6	0.5	0.6	0.5	0.6	0.6	1.8	0	0	0.6	0
Thorium 230	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
Thorium Precision +/-																
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-2.7	-1	-1	-1	-1	-1	-1
Lead Precision +/-																
Gross Alpha	GPS (15)	-1	-1	-1	-1	-1	-1	1.2	-1	-1	1.1	-1	-1	1.1	-1	-1
Gross Alpha Precision +/-								1			1.1			1		
QUALITY ASSURANCE DATA:																
TDS A/C Balance (dec. %)		0.87	1.09	1.12	1.11	0.98	1.02	1.08	0.89	0.84	1.13	0.88	1.01	0.95	0.95	1.15
(LAB: Energy Labs Inc. unless noted.)																

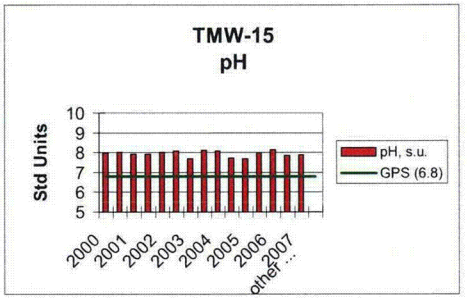


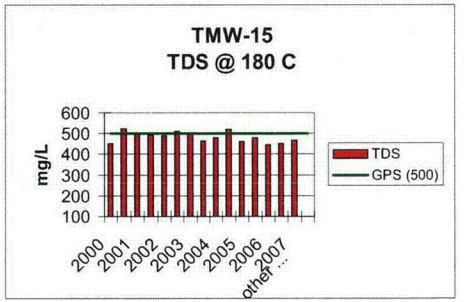


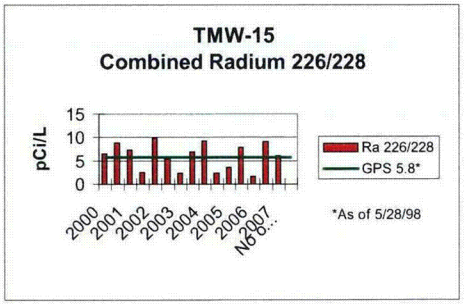


KENNECOTT[illegible]UM COMPANY																	
TMW-15																	
NORTHING: 147,910.39 EASTING: 325,006.29	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	No other sample
0 = ND or 0	Standard	01/05/00	07/19/00	07/25/01	10/02/01	01/15/02	07/29/02	01/20/03	07/14/03	01/12/04	07/19/04	01/11/05	07/14/05	01/16/06	07/25/06	07/22/07	taken
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	14	11	9.6	12.7	12	
pH (Std. Units)		7.3	7.3	7.4	7.4	7.2	6.8	7.2	6.9	8.8	7.3	7.1	7.3	7.48	7.65	7.8	
Cond. (umho/cm)		500	600	600	640	600	600	600	540	580	480	600	400	560	647	669	
TDS																	
MAJOR IONS mg/l:																	
Alkalinity (CaCO3)		112	126	128	129	128	127	126	125	123	121	121	123	128	122	120	
Bicarbonate (HCO3)		136	154	155	157	156	154	154	152	149	148	148	150	156	148	150	
Calcium (Ca)		102	105	100	103	104	98	98.6	100	104	108	106	105	98.8	102	104	
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
Chloride (Cl)		8.8	10.7	58.5	9.6	8	7.8	8	2.1	7.1	9	12	9	8	8	9	
Fluoride (F)		0.16	0.15	0.19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.1	0.2	0.2	
Magnesium (Mg)		8.2	8.4	8.5	8.6	8.3	8.1	8	8	8.6	8.6	8.5	8.6	8.3	8.3	8.6	
Nitrate (NO3-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	
Potassium (K)		3.3	2.8	3.2	2.8	2.8	2.6	3.6	3.8	3	3.2	3.4	2.3	3	2.2	3.1	
Silica (SiO2)		13.7	14.6	14	14.2	14.7	13	13	14	15	15	14	16	15	15	13	
Sodium (Na)		36.6	35.7	44.8	37.3	36.2	35.7	38.4	36.6	37.7	38.2	36	36.3	35	36.5	38.4	
Sulfate (SO4)		224	223	207	211	233	219	209	220	221	216	222	227	217	230	237	
NON-METALS:																	
Cyanide (CN) mg/L		-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	
PHYSICAL PROPERTIES:																	
Conductivity (umho/cm)		715	714	711	705	713	692	678	715	711	733	689	684	679	696	690	
pH, s.u.	GPS (6.8)	7.96	8	7.92	7.9	8	8.07	7.67	8.11	8.07	7.72	7.67	7.96	8.14	7.83	7.89	
Solids, TDS @ 180°C	GPS (500)	450	521	504	490	488	510	502	463	480	519	460	478	444	450	466	
METALS DISSOLVED mg/L:																	
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	
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	
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	
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	
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	
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	
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	
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	
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	
Iron (Fe)	GPS (0.6)	0.12	0.14	0.12	-0.1	0.109	0.096	0.105	0.108	0.087	0.11	-0.05	0.09	-0.05	-0.05	-0.05	
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	
Manganese (Mn)	GPS (0.2)	0.08	0.08	0.07	0.076	0.07	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.07	
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	
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	
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	
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	
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	
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	
Vanadium (V)		-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 (Z)		0.03	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	-0.01	
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	2	1.57	1.8	1.4217	1.4894	1.8	1.6	2.2	2.5	1.7	1.5	1.5	1.5	2	1.5	
Radium 226		1.4	2.3	1.5	2.5	2.3	1.4	2.4	1.5	2.8	2.3	1.6	2.9	1.6	1.6	2.1	
Radium Precision +/-		0.2	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.7	0.6	0.5	0.7	0.8	0.6	0.5	
Radium 228		5.1	6.5	5.8	-1	7.5	3.9	-1	5.4	6.4	-1	2	4.9	-1	7.5	3.6	
Radium Precision +/-		0.2	0.2	1		1	1		1.7	1		1	1.3		0.9	1	
Combined Ra226/228	GPS (5.8)	6.5	8.8	7.3	2.5	9.8	5.3	2.4	6.9	9.2	2.3	3.6	7.8	1.6	9.1	6.1	
Thorium 230	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	
Thorium Precision +/-																	
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	
Lead Precision +/-																	
Gross Alpha minus Rn & U	GPS (15)	-1	-1	2	2.8	2.7	2.7	4.8	2.8	3.4	2.9	1.4	2.5	2.2	1.5	1.8	
Gross Alpha Precision +/-				1	1	1	1	1	1	1.3	1.4	1	1.2	1	0.7	0.5	
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.97	1.09	0.98	1.08	1.03	1.03	1.1	1	1.05	1.1	0.97	1	0.96	0.95	0.95	
(LAB: Energy Labs Inc. unless noted.)																	

KENNECOTT[illegible]UM COMPANY	
TMW-15	
NORTHING: 147,910.39	Groundwater
EASTING: 325,006.29	Protection
0 = ND or 0	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alkalinity (CaCO3)	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate (NO3-N)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN) mg/L	
PHYSICAL PROPERTIES:	
Conductivity (umho/cm)	
pH, s.u.	GPS (6.8)
Solids, TDS @ 180°C	GPS (500)
METALS DISSOLVED mg/L:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V)	
Zinc (Z)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha minus Rn & U	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

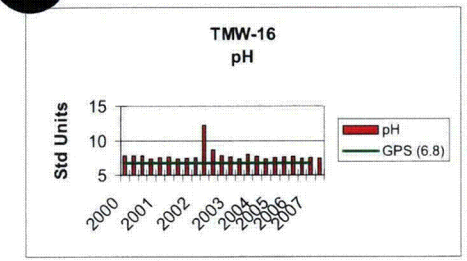


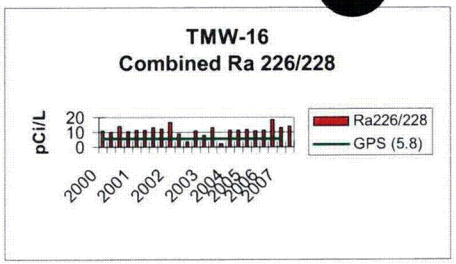


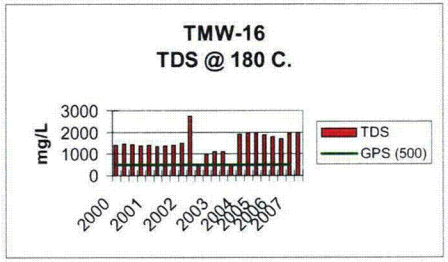


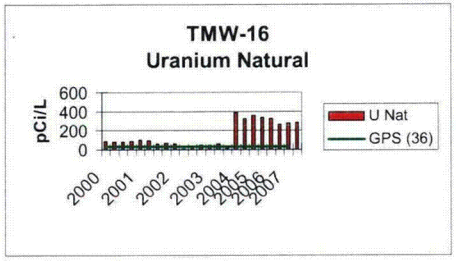
KENNECOT[illegible]M COMPANY																		
TMW-16																		
NORTHING: 149,397.99	Groundwater	2000				2001				2002				2003			2004	
EASTING: 325,023.08	Protection																	
0 = Non Detectable or 0	Standard	01/04/00	04/04/00	07/12/00	10/03/00	01/10/01	04/03/01	07/02/01	10/02/01	01/08/02	04/08/02	07/31/02	10/03/02	01/07/03	04/07/03	07/14/03	01/12/04	07/20/04
FIELD DATA mg/l:	(GPS)																	
Temperature (C)	as of 5/26/05	6	8	8	8	6	8	10	8	8	8	8	8	8	8	8	8	13
pH (Std. Units)		6.6	6.7	6.5	6.6	6.6	6.7	6.7	6.6	6.7	6.7	8.3	6.8	6.6	6.8	6.5	7.5	6.7
Cond. (umho/cm)		1260	1140	1020	1380	1500	1400	1500	1380	1560	1480	580	1080	1080	1140	640	1340	1120
TDS																		
MAJOR IONS mg/l:																		
Alk-CaCO3		244	225	219	199	202	192	230	202	233	1670	93	178	196	181	117	182	178
Bicarbonate (HCO3)		297	273	267	242	246	234	280	246	284	7.1	108	217	239	221	143	222	218
Calcium (Ca)		279	313	281	277	303	283	279	290	334	49.3	46.3	195	226	221	115	374	370
Carbonate (CO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-1	-1	-1	-1	635	2.7	-1	-1	-1	-1	-1	-1
Chloride (Cl)		52.4	63.4	56.2	41.4	55.8	55.1	59.6	63	70.3	171	14.3	41.7	49.6	47.9	13	98.8	217
Fluoride (F)		-0.1	-0.1	-0.1	-0.1	0.11	0.1	-0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.1	-0.1	0.1
Magnesium (Mg)		27	33.9	27.5	27.4	29.9	28.2	27.2	29	34.8	-1	4.6	16.8	21.4	22.4	8	41.3	44
Nitrate-N (NO3)		-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
Potassium (K)		5.4	5.7	4.6	5.5	5.7	4.6	5.7	4	5	4.9	2.3	3.7	4.3	4.8	4	5.8	5.5
Silica (SiO2)		14.1	17.1	15.5	13.3	14.1	15.4	15.7	16	16.3	28.2	12.1	20	14.4	13.5	19	10.3	11
Sodium (Na)		66.3	75.6	65.5	68.1	69.4	67.6	72	67	71.8	985	79.5	73.6	60.6	59.3	42	83.6	108
Sulfate (SO4)		681	786	601	585	744	649	621	630	804	550	196	478	512	531	262	932	935
NON-METALS:																		
Cyanide (CN) mg/L		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	0.006	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:																		
Cond (umho/cm)		1820	1850	1770	1720	1760	1680	1760	1760	1840	8780	648	1370	1470	1450	818	2330	2140
pH (units)	GPS (6.8)	7.79	7.81	7.85	7.36	7.56	7.64	7.38	7.4	7.5	12.2	8.65	7.78	7.64	7.34	7.99	7.7	7.33
Solids, TDS @ 180°C	GPS (500)	1410	1470	1430	1360	1390	1340	1370	1390	1480	2720	443	970	1110	1100	539	1910	1970
METALS-Dissolved mg/l:																		
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	1.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	-0.001	-0.001	-0.001	-0.001	0.001	-0.001	-0.001	0.0011	-0.001	0.015	0.003	0.002	0.001	-0.001	0.002	-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
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
Boron (B)		-0.1	-0.1	-0.1	0.11	-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
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
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
Cobalt (Co)		0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.0024	0.002	-0.001	-0.001	0.002	0.001	0.002	0.001	0.004	0.002
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
Iron (Fe)	GPS (0.6)	0.64	0.45	0.28	0.66	0.81	0.7	0.47	3.7	1.95	-0.05	0.068	-0.05	0.528	0.135	0.514	0.434	0.39
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
Manganese (Mn)	GPS (0.2)	0.53	0.54	0.46	0.42	0.54	0.47	0.54	0.64	0.63	-0.01	-0.01	0.23	0.52	0.42	0.11	0.59	0.3
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	0.0046	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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	-0.08
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	0.014	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001	0.005	0.005	0.005	-0.001	0.0019	-0.001	0.002	0.008	0.002	0.001	-0.001	-0.001	0.003	0.003
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
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
Vanadium (V2O5)		-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	0.03	0.02	0.01	0.02	0.06	0.045	0.05	0.03	-0.01	0.01	0.02	-0.01	0.02	0.01	0.01
RADIOMETRIC pCi/l:																		
Uranium, natural	GPS (36)	86.7	79.9	83.4	89.4	98.2	94.8	60.2	67.7	60.1176	6.8377	28.5	49.8	46.7	58.7	10.7	383	322
Radium 226		2.7	3.2	6.4	4	3.6	4.6	4.1	6.5	3.4	3	0.8	5.2	4.1	2.6	2.1	5.8	5.6
Radium Precision +/-		0.3	0.3	0.4	0.2	0.3	0.4	0.2	0.5	0.3	0.3	0.2	0.4	0.5	0.3	0.2	0.8	0.7
Radium 228		7.8	6.9	7.7	6.5	7.6	6.8	9	5.7	13	5.6	2.5	5.5	3.7	10.3	-1	5.5	5.7
Radium Precision +/-		0.2	0.6	0.6	0.4	1.4	1.2	2	1.1	1	1	1	1.2	1	1.8		1	1.3
Combined Ra226/228	GPS (5.8)	10.7	10.1	14.1	10.5	11.2	11.4	13.1	12.2	16.4	8.6	3.3	10.7	7.8	12.9	2.1	11.3	11.3
Thorium 230	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
Thorium Precision +/-																		
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1
Lead Precision +/-																		
Gross Alpha minus Rn & U	GPS (15)	3.6	7.2	4.4	7.1	6.9	3.1	3.4	7.2	7.3	3.2	2.1	6.7	7.5	10.1	3.4	7.4	9.4
Gross Alpha Precision +/-		1.1	0.9	1.4	1.1	1.1	1	1	1.4	1	1	1	1	1.4	2	1.1	1.7	1.1
QUALITY ASSURANCE DATA:																		
TDS A/C Balance (dec. %)		1.11	1.03	1.21	1.19	1.03	1.1	1.12	1.14	1.01	0.97	1.07	1.03	1.1	1.09	1	1.16	1.09
(LAB: Energy Labs Inc. unless noted.)																	TMW-16	

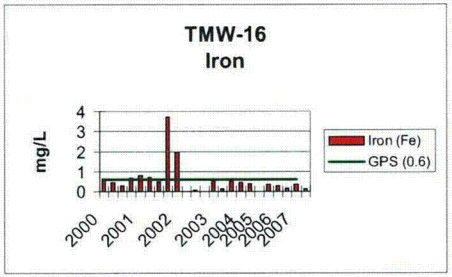
KENNECOT[illegible]M COMPANY							
TMW-16							
NORTHING: 149,397.99	Groundwater	2005		2006		2007	
EASTING: 325,023.08	Protection						
0 = Non Detectable or 0	Standard	01/11/05	07/14/05	01/17/06	08/22/06	01/10/07	07/22/07
FIELD DATA mg/l:	(GPS)						
Temperature (C)	as of 5/26/05	12	13	9.8	13.3	10.5	11.1
pH (Std. Units)		6.8	7.1	7.13	7.06	7.09	7.1
Cond. (umho/cm)		1820	960	1400	1900	234	249
TDS							
MAJOR IONS mg/l:							
Alk-CaCO3		193	177	192	186	206	220
Bicarbonate (HCO3)		236	216	235	227	251	260
Calcium (Ca)		422	382	377	356	403	419
Carbonate (CO3)		-1	-1	-1	-1	-1	-1
Chloride (Cl)		117	102	96	99	100	97
Fluoride (F)		0.1	-0.1	-0.1	0.1	-0.1	-0.1
Magnesium (Mg)		49.6	47.2	44.7	43.8	49.4	50.5
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		6.6	5.2	5.8	5.7	6.2	6
Silica (SiO2)		11	11	11	12	12	10
Sodium (Na)		94.6	94.7	86.9	86	94	104
Sulfate (SO4)		1040	1030	934	1010	1040	1100
NON-METALS:							
Cyanide (CN) mg/L		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:							
Cond (umho/cm)		2320	2210	2160	2220	2320	2330
pH (units)	GPS (6.8)	7.54	7.61	7.73	7.46	7.52	7.47
Solids, TDS @ 180°C	GPS (500)	1970	1880	1790	1700	1930	1950
METALS-Dissolved mg/l:							
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.001	0.002	0.001	0.001	0.001	0.001
Barium (Ba)		-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
Boron (B)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		0.002	0.002	0.002	0.001	0.001	-0.001
Copper (Cu)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	0.34	0.29	0.17	0.36	0.12
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.34	0.28	0.27	0.28	0.32	0.28
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.08	-0.08	-0.08	-0.08	-0.08	-0.08
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.004	0.002	0.002	0.001	0.003	-0.001
Silver (Ag)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Zinc (ZN)		-0.01	-0.01	-0.01	-0.01	-0.01	0.02
RADIOMETRIC pCi/l:							
Uranium, natural	GPS (36)	354	334	324	261	274	283
Radium 226		4.6	4.5	4.3	4.9	7.7	5.1
Radium Precision +/-		0.8	0.8	1.2	0.7	1	0.8
Radium 228		7.2	6.4	7	13.3	5.5	8.6
Radium Precision +/-		1.1	1.4	1.2	1.4	1	1.1
Combined Ra226/228	GPS (5.8)	11.8	10.9	11.3	18.2	13.2	13.7
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-							
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1
Lead Precision +/-							
Gross Alpha minus Rn & U	GPS (15)	5.6	5.8	4	9.1	5.3	7.2
Gross Alpha Precision +/-		1.5	1.7	1.4	1.9	0.8	0.8
QUALITY ASSURANCE DATA:							
TDS A/C Balance (dec. %)		1.06	1.06	1.07	0.98	1.05	1.02
(LAB: Energy Labs Inc. unless noted.)							

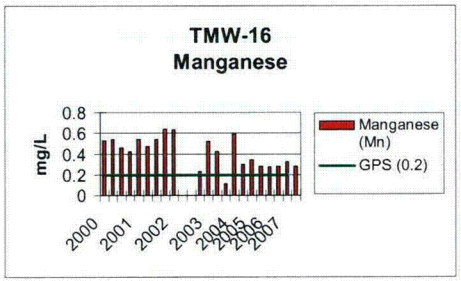


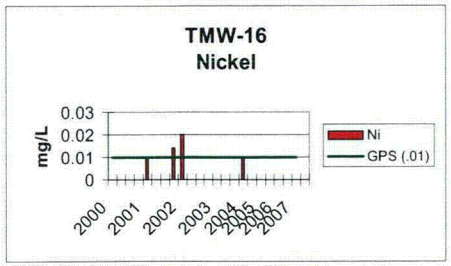








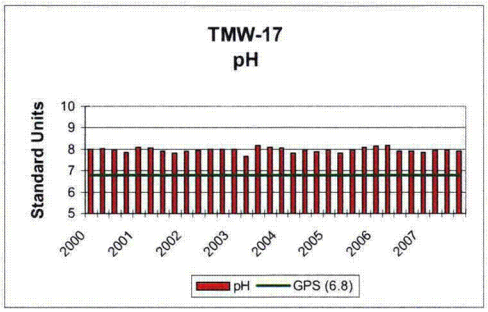


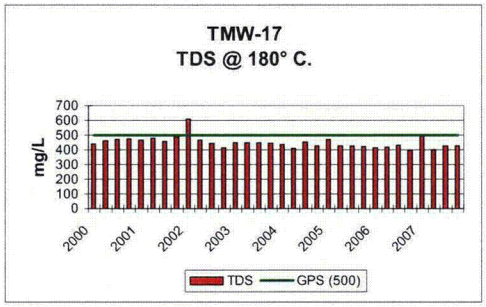


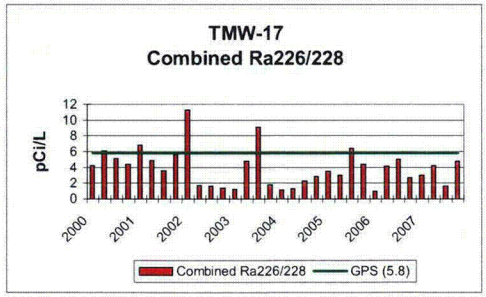
KENNECOTT U[illegible] COMPANY																		
TMW-17																		
NORTHING: 149,602.14	Groundwater	2000				2001				2002				2003				2004
EASTING: 325,994.00	Protection																	
ND = Non-detectable	Standard	01/04/00	04/04/00	07/12/00	10/03/00	01/10/01	04/03/01	07/02/01	10/02/01	01/08/02	04/08/02	07/10/02	10/03/02	01/07/03	04/07/03	07/09/03	10/16/03	01/05/04
FIELD PARAMETERS:	(GPS)																	
Temperature (C)	as of 5/26/05	8	8	8	8	6	8	10	8	8	8	14	8	8	8	8	8	6
Ph (Standard units)		7.1	7.3	6.8	6.9	6.7	7.4	7.3	7.1	7.1	7.3	7.1	6.9	6.8	7.1	6.9	6.8	6.8
Conductivity (umho/cm)		520	460	460	660	680	640	700	660	860	640	600	620	580	640	580	580	640
TDS																		
MAJOR IONS mg/l:																		
Alkalinity (CaCO3)		113	118	119	118	118	115	120	119	128	118	117	116	117	114	114	118	113
Bicarbonate (HCO3)		138	143	145	143	143	140	146	145	156	143	143	141	143	138	139	143	138
Calcium (Ca)		96.1	108	93.6	99.3	105	100	92.6	95	148	102	97	89	72.8	89.5	90.6	91.1	104
Carbonate (CO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		11.7	17.2	11.7	8.41	6.5	13.2	21.5	12	23.5	14.7	6.8	12.4	16.1	9.2	10.7	4	26
Fluoride (F)		0.12	0.15	0.14	0.14	0.15	0.14	0.14	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2
Magnesium (Mg)		6.4	6.9	6.1	6.53	6.6	6.5	6.2	6	11.4	6.1	6.4	5.8	4.6	5.8	5.8	5.9	6.8
Nitrate (NO3-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
Potassium (K)		3	3.5	3.1	3.74	3.7	3.1	3.7	2.4	3.6	3.2	3	2.8	3.8	3.7	3.6	2.8	3.5
Silica (SIO2)		14.9	15.7	14.2	13	14	15.1	14.5	14	14.6	14.9	14.8	17.8	10.8	13.3	12.7	15.7	16
Sodium (Na)		38.7	39.7	35.1	39.3	38.6	37.5	40.1	36	43.5	37	39.4	36.1	33.1	37.7	38.4	36.7	38
Sulfate (SO4)		227	219	183	190	236	216	194	190	334	221	209	193	157	200	196	211	215
NON-METALS:																		
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
PHYSICAL PROPERTIES:																		
Conductivity (umho/cm)		686	693	703	706	697	693	695	683	877	663	664	638	655	636	670	666	665
pH	GPS (6.8)	7.98	8.03	7.96	7.83	8.09	8.04	7.89	7.8	7.9	7.94	7.99	7.99	7.99	7.65	8.17	8.09	8.06
TDS @ 180° C.	GPS (500)	437	463	469	475	466	478	457	485	608	467	444	412	447	449	447	445	435
METALS-DISSOLVED mg/l:																		
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
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
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
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
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
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
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
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
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
Iron (Fe), Dissolved	GPS (0.6)	-0.1	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.152	0.057	0.07	-0.05	0.066	0.085	0.084	0.12	0.13
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
Manganese (Mn)	GPS (0.2)	0.05	0.06	0.05	0.0346	0.04	0.03	0.04	0.055	0.1	0.06	0.05	0.06	0.05	0.04	0.05	0.05	0.05
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
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
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
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
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
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
Vanadium (V)		-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 (Z)		-0.01	-0.01	0.04	0.01	-0.01	0.03	0.03	0.079	0.02	-0.01	0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																		
Uranium, natural	GPS (36)	6.6	5.5	5.62	5.1	5.01	5.2	5.9	5.9576	21.4609	5.9576	14.7586	5.7	5.7	5.4	4.4	5.1	4.9
Radium 226		1.2	1.4	1.9	1.9	1.2	1.4	0.8	1.7	1.1	1.7	1.6	1.4	1.2	1.2	1	1.8	1.1
Radium Precision +/-		0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4
Radium 228		3	4.7	3.2	2.5	5.6	3.5	2.8	3.9	10.2	-1	-1	-1	-1	3.6	8.1	-1	-1
Radium Precision +/-		0.2	0.2	0.1	0.1	1.3	1	1.9	1.1	1					1.7	1.9		
Combined Ra226/228	GPS (5.8)	4.2	6.1	5.1	4.4	6.8	4.9	3.6	5.6	11.3	1.7	1.6	1.4	1.2	4.8	9.1	1.8	1.1
Thorium 230	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
Thorium Precision +/-																		
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
Lead Precision +/-																		
Gross Alpha	GPS (15)	-1	2	2.4	-1	-1	1.2	1.8	3	1.6	2.1	2	-1	3.2	2.3	-1	-1	3.2
Gross Alpha Precision +/-			0.5	1.1			1	1	1	1	1	1		1	1.1			1.1
QUALITY ASSURANCE DATA:																		
TDS A/C Balance (dec. %)		0.93	0.96	1.12	1.1	0.96	1.03	1.02	1.16	0.94	0.99	0.99	0.96	1.21	1.04	1.04	1.05	0.94
(LAB: Energy Labs Inc. unless noted.)																		

KENNECOTT U[illegible] COMPANY																
TMW-17																
NORTHING: 149,602.14	Groundwater				2005				2006				2007			
EASTING: 325,994.00	Protection															
ND = Non-detectable	Standard	04/05/04	07/12/04	10/07/04	01/05/05	04/06/05	07/11/05	11/07/05	01/16/06	04/10/06	07/03/06	10/05/06	03/14/07	04/11/07	07/22/07	10/03/07
FIELD PARAMETERS:	(GPS)															
Temperature (C)	as of 5/26/05	11	14	14	8	10	14	8.9	8	10.3	13.2	12.7	8.4	8.6	13.3	10
Ph (Standard units)		7.3	7.4	7.9	6.5	7.1	7.3	7.75	7.51	7.91	7.55	7.7	7.47	7.76	7.8	7.6
Conductivity (umho/cm)		560	560	420	620	500	400	440	510	440	612	593	707	543	594	558
TDS																
MAJOR IONS mg/l:																
Alkalinity (CaCO3)		115	114	111	115	117	114	110	112	116	110	120	130	110	120	119
Bicarbonate (HCO3)		141	138	136	141	142	139	134	137	142	134	146	159	134	140	145
Calcium (Ca)		95.6	93	98	90.9	96.9	93.7	82.9	88.4	92.9	87.6	90.5	103	88.4	84.6	75.6
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		9.9	11	9	8	9	7	10	9	9	14	8	12	8	8	10
Fluoride (F)		0.1	0.2	0.2	0.2	0.1	0.2	0.1	-0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1
Magnesium (Mg)		6	6	6.2	5.8	6	6	5.6	5.8	5.9	5.2	5.8	10.3	5.7	5.4	4.5
Nitrate (NO3-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
Potassium (K)		4.1	3	3	2.8	2.9	2.8	2.6	3	2.9	2.8	2.9	3	3	2.9	3.2
Silica (SIO2)		14.5	15	16	15	15	15	15	16	16	17	15	14	15	14	15
Sodium (Na)		37.5	39	40.7	37.4	38.9	38	34.9	36.2	34.8	36	38.4	41.8	37.6	38	34
Sulfate (SO4)		203	203	208	198	202	199	183	192	194	197	190	234	194	182	169
NON-METALS:																
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
PHYSICAL PROPERTIES:																
Conductivity (umho/cm)		651	630	620	641	645	657	639	627	617	626	616	74	632	613	604
pH	GPS (6.8)	7.82	7.92	7.86	7.96	7.82	7.95	8.08	8.15	8.16	7.9	7.9	7.85	7.94	7.96	7.91
TDS @ 180° C.	GPS (500)	409	452	427	469	426	428	422	414	418	430	394	494	402	426	428
METALS-DISSOLVED mg/l:																
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
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
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
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
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
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
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
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
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
Iron (Fe), Dissolved	GPS (0.6)	0.111	0.14	-0.05	0.11	0.1	0.1	-0.05	-0.05	-0.05	-0.05	0.08	0.25	0.09	0.05	0.1
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
Manganese (Mn)	GPS (0.2)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.13	0.04	0.04	0.04
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
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
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
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
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
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
Vanadium (V)		-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 (Z)		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
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (36)	4.6	4.8	4.3	4.6	4.4	4.5	4.7	5	5.3	4.8	4.6	22	4.9	5.3	4.8
Radium 226		1.3	2.3	0.9	1.3	0.9	1.7	1.7	1	1.2	0.8	1.1	3	1.2	1.6	0.9
Radium Precision +/-		0.4	0.5	0.4	0.7	0.4	0.5	0.5	0.7	0.4	0.3	0.4	0.8	0.4	0.4	0.3
Radium 228		-1	-1	1.9	2.2	2.1	4.7	2.7	-1	2.9	4.2	1.6	-1	3	-1	3.9
Radium Precision +/-				1	1.6	1.3	0.9	1		0.9	0.8	1		0.9		0.9
Combined Ra226/228	GPS (5.8)	1.3	2.3	2.8	3.5	3	6.4	4.4	1	4.1	5	2.7	3	4.2	1.6	4.8
Thorium 230	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
Thorium Precision +/-																
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																
Gross Alpha	GPS (15)	2.4	1.1	1.3	1.6	1.4	3.3	2.5	1.3	1.9	2.3	1.7	2.4	4.7	1.6	2.7
Gross Alpha Precision +/-		1.1	1	1	1.3	2.3	1.7	1.1	0.9	0.8	1	0.6	0.6	0.9	0.5	0.8
QUALITY ASSURANCE DATA:																
TDS A/C Balance (dec. %)		0.96	1.03	0.95	1.1	0.97	0.99	1.06	0.99	0.98	1.01	0.93	1	0.96	1.05	1.11
(LAB: Energy Labs Inc. unless noted.)																

KENNECOTT U[illegible] COMPANY	
TMW-17	
NORTHING: 149,602.14 EASTING: 325,994.00	Groundwater Protection
ND = Non-detectable	Standard
FIELD PARAMETERS:	(GPS)
Temperature (C)	as of 5/26/05
Ph (Standard units)	
Conductivity (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alkalinity (CaCO3)	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate (NO3-N)	
Potassium (K)	
Silica (SIO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Conductivity (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe), Dissolved	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V)	
Zinc (Z)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

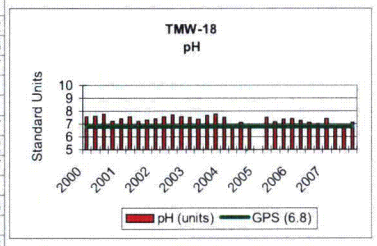


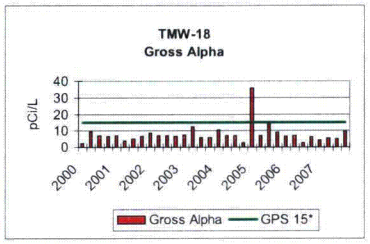


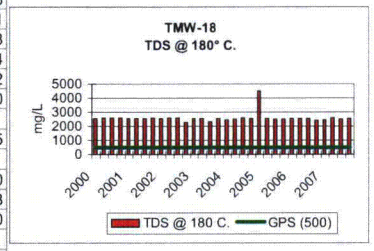


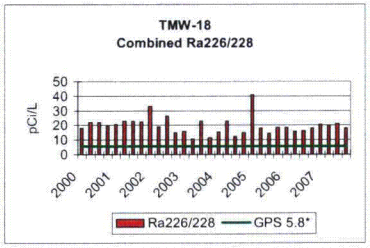
KENNECOTT URANIUM COMPANY																					
TMW-18																					
NORTHING: 148,922.42 EASTING: 225,018.57	Groundwater Protection	2000				2001				2002				2003				2004			
ND = Non-detectable	Standard	01/04/00	04/04/00	07/12/00	10/03/00	01/10/01	04/03/01	07/02/01	10/02/01	01/08/02	04/08/02	07/10/02	10/03/02	01/07/03	04/07/03	07/09/03	10/16/03	01/05/04	04/05/04	07/12/04	10/07/04
FIELD DATA mg/l:	(GPS)																				
Temperature (C)	as of 5/26/05	8	8	8	8	6	8	10	8	8	8	8	8	8	8	8	10	6	10	15	10
pH (Std. Units)		6.4	6.5	6.4	6.2	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.5	6.3	6.4	6.8	6.5	6.3	6.1
Cond. (umho/cm)		1960	1580	1420	2800	2200	2400	2400	2000	2600	1840	1860	1700	1800	1760	1400	1360	1680	1420	2500	1400
TDS																					
MAJOR IONS mg/l:																					
Alk-CaCO3		484	493	490	491	487	470	484	483	473	477	475	470	472	459	450	463	485	464	457	447
Bicarbonate (HCO3)		590	602	598	599	594	573	590	589	576	582	580	573	575	559	548	565	591	566	558	545
Calcium (Ca)		695	618	551	640	643	716	718	610	625	669	622	620	656	524	498	617	693	651	639	637
Carbonate (CO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		72.8	100	78.2	63.8	90.8	81	85.1	82	113	97.2	69.8	78.1	71.5	75.5	68.6	81.2	114	88.2	863	82
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	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Magnesium (Mg)		33.3	45.7	37.5	39	36.9	38.4	38.6	38	44.1	39.4	41.4	39.8	24.1	39.2	37	42.6	56	45.1	46	47.9
Nitrate-N (NO3)		-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
Potassium (K)		7.1	7.9	6.7	7.46	7.7	7.2	7.8	6.5	7.8	7.4	6.9	6.1	6.4	7.1	7.6	6.8	7.7	8.3	7	6.9
Silica (SiO2)		18.9	25.2	21.3	18.9	19.6	21.8	22.1	21	23	22	22	27.4	13.2	19.4	17.3	22.8	26	22.4	23	24
Sodium (Na)		81	98.5	84.1	91.5	83.5	85.4	89.9	80	89.5	87.4	95.3	91	62.6	90	87.7	87.1	96	97.3	104	107
Sulfate (SO4)		1360	1290	993	1480	1190	1380	1390	1100	1340	1230	1220	1140	1300	1160	1080	1220	1350	1240	1260	1280
NON-METALS:																					
Cyanide (CN)		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	0.007	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:																					
Cond (umho/cm)		2950	2970	2940	2960	2930	2920	2900	2930	2900	2860	2890	3110	2880	2980	2950	2930	2980	2920	2800	3360
pH (units)	GPS (6.8)	7.57	7.62	7.76	7.21	7.4	7.56	7.19	7.3	7.4	7.53	7.68	7.54	7.5	7.35	7.63	7.76	7.48	6.84	7.08	6.89
TDS @ 180 C.	GPS (500)	2530	2570	2590	2570	2550	2550	2540	2590	2550	2570	2580	2270	2550	2550	2300	2540	2440	2490	2570	2560
METALS-DISSOLVED mg/l:																					
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
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
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
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
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
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	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		0.002	0.001	0.002	-0.001	0.001	0.001	0.002	-0.001	0.003	0.001	0.005	-0.001	-0.001	0.003	0.001	-0.001	0.001	0.001	0.001	-0.001
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
Iron (Fe)	GPS (0.6)	3.3	4.7	3.89	3.73	4.19	4.21	4.23	4.3	0.256	4.8	4.69	4.19	2.98	4.58	4.64	5.84	7.3	6.15	6.04	5.17
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
Manganese (Mn)	GPS (0.2)	0.91	0.9	0.78	0.96	0.91	0.85	0.98	1	0.98	0.96	0.93	0.98	1.19	0.85	1.05	1.04	1.04	1.14	1.14	1.18
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	0.0003	-0.0004	-0.0004	-0.0004	-0.0004	-0.0002
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	0.011	0.04	0.02	0.06	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001	0.003	0.003	0.004	-0.001	0.002	-0.001	0.002	0.001	0.004	0.002	-0.001	-0.002	-0.002	-0.002	0.002	-0.006	0.004
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
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
Vanadium (V2O5)		-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)		0.02	0.01	0.01	0.01	-0.01	0.02	0.02	0.054	0.04	0.02	0.03	0.04	0.01	0.02	-0.01	-0.01	-0.01	-0.01	0.02	-0.01
RADIOMETRIC pCi/l:																					
Uranium, natural	GPS (36)	1.3	1.8	1.21	1.2	1.08	0.9	1.3	1.0832	1.5571	0.9478	0.5416	1.2	1.1	0.9	-0.2	0.9	1	0.9	1	1.1
Radium 226		3.5	3.4	6.3	4.8	3.5	5.2	4.5	7.6	3.5	3.9	6	3.1	4.1	3.9	3.3	1.3	3	2.5	3.2	2.3
Radium Precision +/-		0.3	0.3	0.4	0.3	0.3	0.4	0.2	0.6	0.3	0.5	0.5	0.3	0.5	0.4	0.3	0.2	0.5	0.5	0.5	0.5
Radium 228		14.4	18.5	15.8	14.4	16.9	17.4	18.3	14.7	29.4	15	20.3	12	11.5	6.6	19.5	10.2	12.3	20.1	9.2	12.4
Radium Precision +/-		1.4	1.5	1.4	1	1.7	1.5	2.2	1.3	2.3	2.2	2.9	1.4	1	1.7	2.2	1.4	1.4	1.9	1.7	1.4
Combined Ra226/228	GPS (5.8)	17.9	21.9	22.1	19.2	20.4	22.6	22.8	22.3	32.9	18.9	26.3	15.1	15.6	10.5	22.8	11.5	15.3	22.6	12.4	14.7
Thorium 230	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
Thorium Precision +/-																					
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1
Lead Precision +/-																					
Gross Alpha	GPS (15)	2.3	9.3	6.9	6.6	6.9	3.8	5	6.5	8.5	6.8	7.1	6.7	7.2	12.4	5.7	5.8	10.6	7	6.9	2.9
Gross Alpha Precision +/-		1	1	1	1.1	1.1	1.2	1.2	1.4	1	1	1.1	1	1.3	2.2	1.2	1.5	1.8	1.5	1.6	1.1
QUALITY ASSURANCE DATA:																					
TDS A/C Balance (dec. %)		0.99	1.03	1.25	0.97	1.07	0.97	0.96	1.14	1.01	1.04	1.08	0.98	1.04	1.16	1.11	1.09	0.93	1.03	1.05	1.04
(LAB: Energy Labs Inc. unless noted.)																					

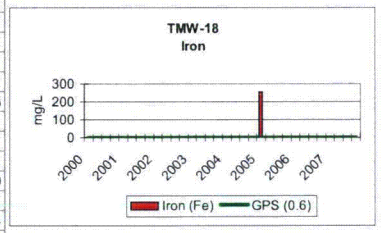
KENNECOTT URANIUM COMPANY													
TMW-18													
NORTHING: 148,922.42 EASTING: 335,018.57	Groundwater Protection	2005				2006				2007			
ND = Non-detectable	Standard	01/10/05	4/6/2005	7/11/2005	11/8/2005	01/11/06	4/10/2006	7/3/2006	10/5/2006	01/25/07	4/4/2007	7/22/2007	10/1/2007
FIELD DATA mg/l:	(GPS)												
Temperature (C)	as of 5/26/05	13	11	14	8.7	8.7	9.5	13.3	10.9	6.6	9.5	13.1	12
pH (Std. Units)		4.6	6.1	6.2	6.53	6.6	6.83	6.56	6.49	6.41	6.83	6.7	6.6
Cond. (umho/cm)		4800	1600	1420	1470	1750	1580	304	300	303	304	310	297
TDS		*											
MAJOR IONS mg/l:													
Alk-CaCO3		5	467	463	458	470	475	444	459	468	467	460	477
Bicarbonate (HCO3)		6	569	565	558	573	580	541	560	571	570	570	582
Calcium (Ca)		1160	629	597	632	607	665	593	596	615	622	626	577
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		1920	85	83	82	75	102	96	81	84	93	82	93
Fluoride (F)		0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.1	-0.1	-0.1
Magnesium (Mg)		86.5	47.6	48.3	51	44	52	46.9	48.1	47.3	46.8	46.8	45.6
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		11.1	6.8	6.7	7.1	6.5	7.1	7.4	6.9	7.3	7.7	6.9	8
Silica (SiO2)		61	23	24	24	21	25	25	22	22	24	20	24
Sodium (Na)		100	104	100	101	94.2	92.2	94	101	96.6	99.2	100	102
Sulfate (SO4)		1240	1260	1260	1240	1120	1340	1280	1240	1240	1260	1300	1240
NON-METALS:													
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
PHYSICAL PROPERTIES:													
Cond (umho/cm)		6950	2860	2880	2900	2900	2900	2960	2950	2910	3000	2920	3090
pH (units)	GPS (6.8)	4.96	7.51	7.15	7.37	7.39	7.23	7.09	7.01	7.39	6.92	6.89	7.08
TDS @ 180 C.	GPS (500)	4510	2530	2520	2510	2540	2530	2540	2430	2470	2570	2520	2540
METALS-DISSOLVED mg/l:													
Aluminum (Al)	GPS (1.8)	15	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.004	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
Beryllium (Be)	GPS (.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
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
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
Chromium (Cr)	GPS (.05)	0.13	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		0.026	-0.001	-0.001	-0.001	-0.001	0.001	0.001	-0.001	0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	253	6.77	6.95	7.44	6.56	8.21	6.03	7.38	7.09	8.13	6.84	8.19
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
Manganese (Mn)	GPS (0.2)	4.72	1.13	1.14	1.29	1.17	1.3	1.2	1.24	1.24	1.3	1.32	1.4
Mercury (Hg)		0.0003	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
Nickel (Ni)	GPS (.01)	0.19	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.008	0.003	0.001	0.001	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002
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
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
Vanadium (V2O5)		-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)		0.19	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	-0.01	0.01
RADIOMETRIC pCi/l:													
Uranium, natural	GPS (36)	3.4	0.9	1	1.1	1	0.9	0.9	1	0.9	1	1	1.2
Radium 226		10.5	3.3	5.6	5.3	3.3	2.7	1.7	2.9	6.3	3.6	5.2	2.2
Radium Precision +/-		1.1	0.7	0.8	0.7	0.7	0.6	0.4	0.6	0.7	0.6	0.7	0.5
Radium 228		30.3	14.8	8.9	13.3	15	13.1	14.6	14.9	14.3	15.9	15.7	15.8
Radium Precision +/-		1.5	1.6	1	1.2	1.2	1.1	1	1.4	1.1	1.1	1.3	1.1
Combined Ra226/228	GPS (5.8)	40.8	18.1	14.5	18.6	18.3	15.8	16.3	17.8	20.6	19.7	20.9	18
Thorium 230	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
Thorium Precision +/-													
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-													
Gross Alpha	GPS (15)	35.6	7.1	14.2	9.1	6.6	7.1	2.6	6.3	4.1	5.4	5	9.7
Gross Alpha Precision +/-		3.4	2.3	2.8	1.9	1.3	2.3	1.1	0.9	0.8	0.9	0.7	1.2
QUALITY ASSURANCE DATA:													
TDS A/C Balance (dec. %)		0.98	1.04	1.05	1.04	1.13	0.98	1.05	1.03	1.03	1.06	1.02	1.07
(LAB: Energy Labs Inc. unless noted.)		*Possible acid still in formation.											

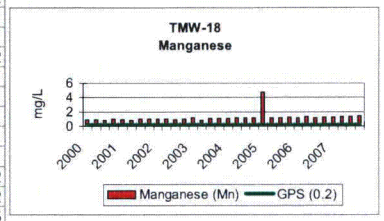


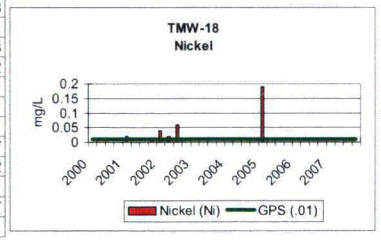




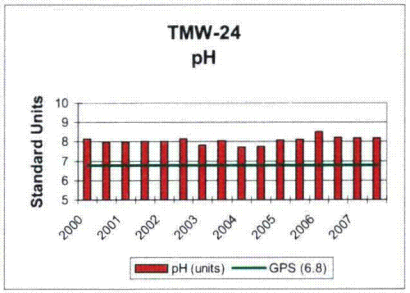


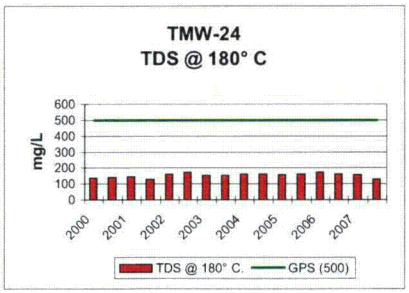






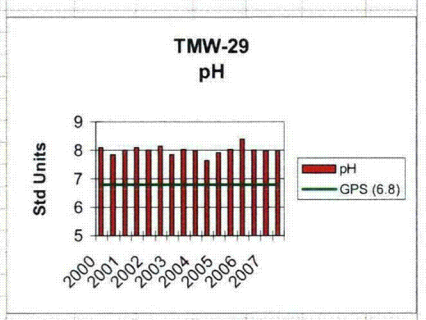
KENNECOTT URA[illegible]MPANY																	
TMW-24																	
NORTHING: 150,307.90 EASTING: 325,992.24	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	02/01/00	08/01/00	02/20/01	08/09/01	02/05/02	08/05/02	02/04/03	08/04/03	02/03/04	08/02/04	02/01/05	08/03/05	02/08/06	08/22/06	02/15/07	08/17/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	12	11	10.7	12.9	9.7	9
pH (Std. Units)		7.6	7.4	7.5	6.8	7.2	6.8	6.7	6.7	8.3	7.5	7.3	8.2	8.2	7.68	7.24	7.8
Cond (umho/cm)		194	240	240	260	240	260	240	240	220	200	240	180	195	226	218	218
TDS																	
MAJOR IONS mg/l:																	
Alk-CaC03		85	84	85	86	85	85	85	83	85.6	83	82	85	88	86	80	90
Bicarbonate (HCO3)		104	102	104	104	104	104	103	101	104	101	100	103	104	105	98	110
Calcium (Ca)		21.3	21	22.6	22	22.3	20.6	22.6	22.4	23.2	20.7	22.1	20.6	22.6	21	22.4	23.4
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	-1
Chloride (Cl)		2.9	3	-1	2.9	-1	11	1.6	-1	-1	-1	3	2	2	3	2	2
Fluoride (F)		0.22	0.2	0.21	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Magnesium (Mg)		1	1	1.1	1.1	1	1	1.1	1	1.1	1	1	1	1.1	0.9	1.1	1.1
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	1.6	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.1
Potassium (K)		2.6	1.5	1.3	1.4	1.5	1.9	1.3	13	1.8	1.1	1.5	1.1	1.6	1.3	1.6	1.5
Silica (SiO2)		12.9	13	13.3	13	12	12.2	12.8	30.6	14	13	13	13	14	14	13	14
Sodium (Na)		30.2	29.3	31.6	30	29.4	29.3	32.6	36.6	30.5	29.2	30.2	29.2	30.4	28.5	30.6	31
Sulfate (SO4)		34.6	32.9	34.9	32	33.4	31.1	34.2	-0.1	38.2	31	33	33	32	37	37	36
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		247	246	247	249	243	243	244	251	253	240	245	245	243	266	242	220
pH (units)	GPS (6.8)	8.14	7.99	7.97	8	8	8.15	7.8	8.05	7.73	7.74	8.07	8.12	8.52	8.2	8.18	8.18
TDS @ 180° C.	GPS (500)	136	139	144	127	161	175	153	154	163	162	158	160	174	160	156	130
TRACE METALS mg/l:																	
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
Arsenic (As)	GPS (.05)	0.001	0.002	0.001	0.0016	0.002	0.002	0.002	0.002	0.001	0.001	0.002	0.002	-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
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
Boron (B)		-0.1	0.26	-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
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
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
Cobalt (Co)		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.01	-0.001	-0.01	-0.001	-0.01	-0.001	-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
Iron (Fe)	GPS (0.6)	0.13	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	-0.05	-0.05	0.05	-0.05	-0.05
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	-0.01	-0.01	-0.01	0.018	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.01
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
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.08	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.05	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
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
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
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
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
Zinc (ZN)		0.01	-0.01	-0.01	-0.01	0.03	0.03	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	2.2	0.88	0.43	0.9478	1.5571	1.4894	1.4	2.2	2.3	2.1	2.7	2.2	1.2	0.4	0.5	0.3
Radium 226		0.9	1	0.8	-0.2	0.8	1.1	0.6	1	-0.2	0.9	-0.2	0.8	0.6	0.9	1.3	0.9
Radium Precision +/-		0.2	0.2	0.2		0.2	0.3	0.2	0.2		0.4		0.5	0.4	0.3	0.5	0.4
Radium 228		2.4	1.8	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2.6	-1	-1
Radium Precision +/-		0.2	0.1												1.2		
Combined Ra226/228	GPS (5.8)	3.3	2.8	0.8	0	0.8	1.1	0.6	1	0	0.9	0	0.8	0.6	3.5	1.3	0.9
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-									0.3								
Lead (Pb210)	GPS (8.9)	-1	-1	-1	1.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-					4												
Gross Alpha	GPS (15)	-1	-1	-1	-1	-1	1.4	-1	-1	-1	1.5	1	-1	-1	1.3	-1	1.1
Gross Alpha Precision +/-							1				1	1			0.9		0.6
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.86	0.9	0.91		1.05	1.1	0.96	0.98	1.12	1.11	1.03	1.07	1.12	1.03	0.99	0.8
(LAB: Energy Labs Inc. unless noted.)																	

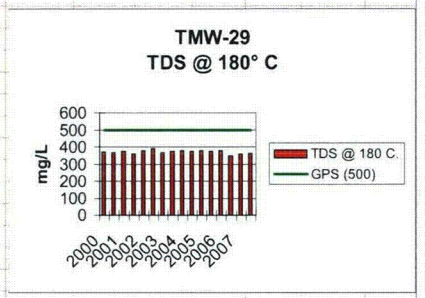




KENNECOTT URANIUM COMPANY																	
TMW-29																	
NORTHING: 150,108.27	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 326,786.49	Protection																
ND = Non-detectable	Standard	02/01/00	08/01/00	02/20/01	08/09/01	02/05/02	08/05/02	02/04/03	08/04/03	2/3/2004	08/02/04	2/1/2005	08/03/05	2/8/2006	08/16/06	2/15/2007	08/16/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	11	13	9.7	13.1	9.4	9.9
pH (Std. Units)		7.5	7.4	7.4	7.3	7.3	6.8	6.8	6.8	8.9	7.4	7.5	7.8	7.56	7.41	7.12	7.6
Cond. (umho/cm)		420	520	360	520	500	540	560	460	460	400	520	340	430	519	525	509
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3		117	113	116	116	116	116	115	112	115	110	112	114	115	114	113	120
Bicarbonate (HCO3)		142	138	141	141	142	142	140	137	140	134	137	140	137	139	138	146
Calcium (Ca)		76.2	78.1	81.3	78	79	71.2	77.5	78.6	83.3	73.5	79.6	72.8	79	76.7	78.6	82.3
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	-1
Chloride (Cl)		8.8	12.7	-1	6.2	10.9	8.8	6.5	7.8	5.6	5	6	6	7	7	7	6
Fluoride (F)		0.17	0.15	0.17	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Magnesium (Mg)		5.1	5.2	5.6	5.2	5	4.8	5.2	5.1	5.5	5	5.2	4.9	5.2	4.8	5.3	5.4
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	3.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		4	2.9	2.6	2.6	2.7	2.8	3	13.9	3.1	2.5	2.6	2.3	2.9	2.8	2.9	2.8
Silica (SiO2)		13.9	14.1	14.3	14	13.1	13.6	13.9	35.9	15.3	14	14	14	14	15	14	14
Sodium (Na)		35.4	34.8	37.5	35	34.6	34.4	38.8	167	36.8	34.7	36.2	33.8	34.5	34.9	35.1	35.4
Sulfate (SO4)		159	162	161	140	152	148	154	-0.1	167	140	156	145	148	159	165	165
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		575	570	571	566	548	544	555	564	568	550	554	553	545	583	553	550
pH	GPS (6.8)	8.08	7.84	7.99	8.1	8	8.14	7.83	8.02	7.97	7.63	7.91	8.02	8.38	8.01	7.97	7.97
TDS @ 180 C.	GPS (500)	371	366	372	360	379	389	367	372	378	372	376	372	378	346	360	362
TRACE METALS mg/l:																	
Aluminum (Al)	GPS (1.8)	-0.01	-0.01	-0.01	-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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.1	-0.05	-0.1	-0.05	-0.1	-0.05
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
Manganese (Mn)	GPS (0.2)	0.02	0.02	0.03	0.028	0.02	0.03	0.04	0.03	0.03	0.02	0.03	0.04	0.05	0.06	0.06	0.06
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
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
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
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
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
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
Vanadium (V2O5)		-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	0.04	-0.01	0.03	0.04	-0.01	0.02	-0.01	0.01	-0.01	0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	5.8	4.87	5.4	5.5514	4.6713	5.2806	5.7	5.6	5.5	5.8	5.6	6	6.7	6.1	5.4	6.7
Radium 226		1.4	1	1.7	0.8	0.8	1.4	1.1	1.1	1.4	0.7	1.4	0.9	1.3	1.3	1.2	0.7
Radium Precision +/-		0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.5	0.6	0.6	0.5	0.5	0.4	0.5	0.4
Radium 228		2.8	2.1	-1	-1	3.3	1.9	-1	-1	-1	1.6	2.4	-1	2.3	1.9	-1	-1
Radium Precision +/-		0.2	0.2			1	1				1.6	1		0.9	0.7		
Combined Ra226/228	GPS (5.8)	4.2	3.1	1.7	0.8	4.1	3.3	1.1	1.1	1.4	2.3	3.8	0.9	3.6	3.2	1.2	0.7
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2		-0.2	-0.02	-0.2	-0.2
Thorium Precision +/-									0.3								
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1		-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	2.7	-1	-1	-1	1.7	2.7	-1	1.9	2	4.2	3.8	1.5	2.5	-1	1.3	1.9
Gross Alpha Precision +/-		1.4				1	1.2		1	1	1.6	1.4	1.1	1.2		0.6	0.7
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.99	0.96	0.99		1.02	1.09	0.99	0.97	1.02	1.09	1.02	1.07	1.05	0.94	0.96	0.95
(LAB: Energy Labs Inc. unless noted.)																	

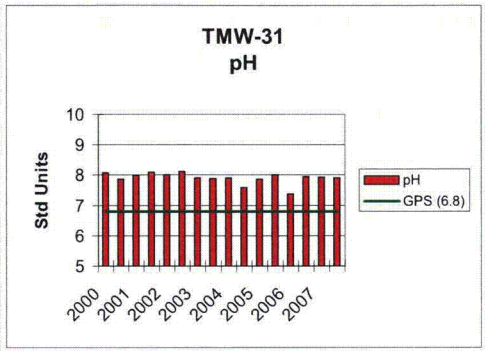
KENNECOTT URANIUM COMPANY	
TMW-29	
NORTHING: 150,108.27	Groundwater
EASTING: 326,786.49	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

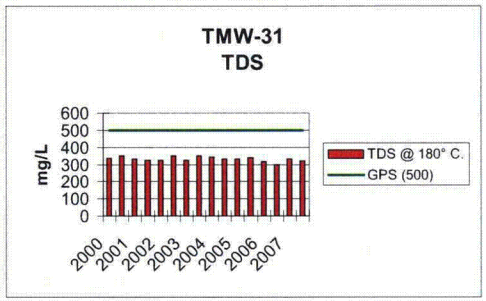


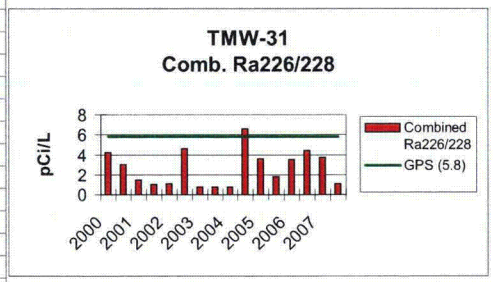


KENNECOTT URA[illegible]OMPANY																	
TMW-31																	
NORTHING: 149,901.61 EASTING: 327,194.15	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	02/07/00	08/01/00	02/20/01	08/09/01	02/05/02	08/05/02	02/04/03	08/04/03	02/03/04	08/02/04	02/01/05	08/03/05	02/07/06	08/16/06	02/15/07	08/16/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	12	13	8.8	12.3	9.4	10.1
pH (Std. Units)		7.3	7.3	7.3	7.3	7.3	6.9	6.8	6.8	8.6	7.2	7.3	7.8	7.62	7.31	7.01	7.6
Cond. (umho/cm)		340	480	320	480	460	500	460	420	460	360	480	280	400	443	479	457
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3		116	113	113	114	110	114	114	111	113	109	110	112	112	110	109	119
Bicarbonate (HCO3)		141	138	138	138	134	138	139	135	138	133	134	137	137	134	133	145
Calcium (Ca)		71.4	75.3	75.9	72	73	69.3	73.6	72.8	77.1	67.8	71.4	67.7	71.4	68.2	70.9	73.3
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		8.6	12.6	-1	3.7	11	8.8	4.6	1.6	5	5	7	7	5	7	7	5
Fluoride (F)		0.21	0.18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
Magnesium (Mg)		5.6	5.8	6	5.6	5.5	5.4	5.8	5.6	6	5.4	5.5	5.3	5.6	5.2	5.6	5.6
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		3.8	2.7	2.4	2.3	2.5	2.6	2.7	13.5	2.9	2.4	2.5	2.1	2.4	2.8	2.8	2.5
Silica (SiO2)		13.3	13.7	13.9	13	12.7	13.1	13.4	30.3	15	14	14	14	15	15	14	14
Sodium (Na)		29.5	29.2	31	29	28.5	28.2	33	145	30.8	29.1	29.9	29	30.3	30.2	29.9	29.9
Sulfate (SO4)		146	146	141	120	131	135	138	-0.1	145	121	131	128	126	136	142	137
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		538	536	524	525	499	503	508	518	519	507	501	509	495	528	504	489
pH	GPS (6.8)	8.07	7.87	7.99	8.1	8	8.11	7.9	7.89	7.91	7.59	7.87	8.01	7.38	7.95	7.92	7.9
TDS @ 180° C.	GPS (500)	336	350	331	325	324	349	326	349	343	333	332	340	318	298	330	320
METALS-DISSOLVED mg/l:																	
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
Arsenic (As)	GPS (.05)	-0.001	-0.001	-0.001	0.0013	-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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	0.07	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.04	0.06	0.04	0.05	0.04	0.07	0.06	0.04	0.03	0.11	0.09	0.08	0.07	0.14	0.14	0.12
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
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
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
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
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
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
Vanadium (V2O5)		-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	0.04	-0.01	0.04	0.01	-0.01	0.01	-0.01	0.02	-0.01	0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	2.2	1.89	1.79	2.57	1.5571	2.4372	2.5	1.7	1.9	2.1	1.9	1.9	2.1	1.8	2.1	1.8
Radium 226		0.7	0.9	1.5	1	1.1	2.5	0.8	0.8	0.8	1	1.6	1.8	1	1.5	1.6	1.1
Radium Precision +/-		0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0.4	0.6	0.6	0.6	0.5	0.5	0.5	0.4
Radium 228		3.5	2.1	-1	-1	-1	2.1	-1	-1	-1	5.6	2	-1	2.5	2.9	2.1	-1
Radium Precision +/-		0.2	0.1				1				1.7	0.9		0.9	0.8	1.5	
Combined Ra226/228	GPS (5.8)	4.2	3	1.5	1	1.1	4.6	0.8	0.8	0.8	6.6	3.6	1.8	3.5	4.4	3.7	1.1
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-									0.4								
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	4	-1	-1	-1	1.6	1.8	-1	2	1.4	8.1	3	1.2	2.1	1.1	1.5	2.4
Gross Alpha Precision +/-		1.6				1	1.1		1	1	1.1	1.3	1	1.2	0.9	0.6	0.7
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.96	0.99	0.97		0.97	1.04	0.95	1.02	1.02	1.07	1.02	1.06	0.98	0.9	0.98	0.94
(LAB: Energy Labs Inc. unless noted.)																	

KENNECOTT URA[illegible]OMPANY	
TMW-31	
NORTHING: 149,901.61	Groundwater
EASTING: 327,194.15	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

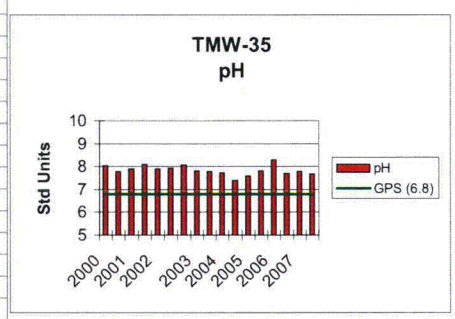


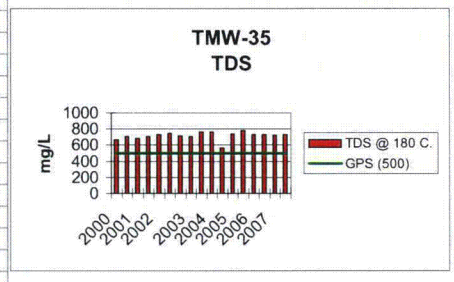


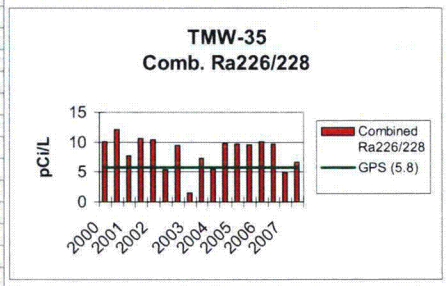


KENNECOTT [illegible] M COMPANY																		
TMW-35																		
NORTHING: 149,509.35	Groundwater	2000		2001		2002			2003		2004		2005		2006		2007	
EASTING: 327,198.92	Protection																	
ND = Non-detectable	Standard	02/07/00	08/01/00	02/20/01	08/09/01	02/05/02	07/22/02	08/05/02	02/04/03	08/04/03	02/03/04	08/03/04	02/01/05	08/03/05	02/06/06	08/16/06	02/12/07	08/16/07
FIELD DATA mg/l:	(GPS)																	
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	8	12	12	16	9	12.9	10.1	10.5
pH (Std. Units)		7.2	7.1	7.2	7.1	7.2	6.8	6.8	6.8	6.8	8.1	7.1	7.2	7.4	7.36	7.1	7.52	7.3
Cond. (umho/cm)		620	780	560	800	800	760	800	760	740	700	580	900	540	760	980	1003	861
TDS																		
MAJOR IONS mg/l:																		
Alk-CaCO3		143	142	144	146	146	145	145	146	143	147	143	144	146	148	146	146	150
Bicarbonate (HCO3)		174	173	176	178	178	177	177	178	174	179	175	176	178	180	178	178	183
Calcium (Ca)		136	154	159	160	166	146	151	159	167	182	159	168	162	162	175	166	175
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		7.2	11.6	-1	5.7	10.5	5.6	7.3	8.1	-1	6	5	6	8	8	8	7	7
Fluoride (F)		0.18	0.15	0.17	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Magnesium (Mg)		16.2	18.3	18.8	18	18.3	17.5	17.7	18.7	18.8	20.8	18.5	19	18.6	18.9	19.8	19	19.8
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		4.7	3.6	3.3	3.2	3.5	3	3.4	3.6	14.3	4.1	3.1	3.6	3.2	3.5	3.7	3.8	3.6
Silica (SiO2)		13.4	14.2	14.4	14	13.4	13.1	13.8	14.2	39	15.8	15	15	15	14	16	14	15
Sodium (Na)		35.4	36.1	39.5	37	37	36.8	36.1	41.4	417	39.9	38.2	38.3	36.7	35.1	37.6	38.3	38.3
Sulfate (SO4)		330	362	362	330	373	367	376	373	-0.1	427	360	388	384	376	431	414	409
NON-METALS:																		
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
PHYSICAL PROPERTIES:																		
Cond (umho/cm)		927	968	967	989	973	961	965	987	1010	1030	607	998	1020	1000	1090	1030	1020
pH	GPS (6.8)	8.02	7.79	7.9	8.1	7.9	7.91	8.05	7.82	7.77	7.72	7.39	7.58	7.82	8.29	7.69	7.78	7.67
TDS @ 180 C.	GPS (500)	663	707	679	704	727	747	712	703	759	760	565	737	776	730	730	724	728
METALS-DISSOLVED mg/l:																		
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
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
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
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
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
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
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
Cobalt (Co)		0.003	0.002	0.002	0.0021	0.002	0.002	0.002	0.002	0.002	0.002	-0.01	0.001	0.002	0.002	0.002	0.001	0.001
Copper (Cu)		-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	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	0.25	-0.1	0.35	0.26	0.268	0.249	0.288	0.288	0.348	0.44	0.31	0.3	0.43	0.21	0.45	0.26	0.08
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
Manganese (Mn)	GPS (0.2)	0.1	0.1	0.102	0.1	0.1	0.1	0.11	0.1	0.11	0.11	0.11	0.12	0.12	0.14	0.12	0.12	0.11
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.011	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
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
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
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
Vanadium (V2O5)		-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)		0.03	0.02	0.01	0.015	0.02	0.04	0.02	0.02	-0.01	-0.01	0.04	-0.01	0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																		
Uranium, natural	GPS (36)	8.8	6.92	7.95	8.12	6.9731	10.8	6.7023	10.2	7.7	7.5	6.5	6.2	6.6	6.2	7	6.2	6.4
Radium 226		2.8	2.2	2.2	2.4	2.1	1.7	4.1	1.5	3.7	2	3.1	2	3	2.2	3.5	1.2	2.1
Radium Precision +/-		0.3	0.3	0.3	0.4	0.3	0.2	0.4	0.3	0.5	0.6	0.7	0.6	0.7	0.7	0.6	0.6	0.5
Radium 228		7.3	9.9	5.5	8.2	8.3	3.7	5.3	-1	3.6	3.5	6.6	7.6	6.5	7.9	6.1	3.7	4.5
Radium Precision +/-		0.7	0.7	1.3	1	1.9	1	1		1.8	1	1.1	1.1	1.4	1	0.8	0.9	1
Combined Ra226/228	GPS (5.8)	10.1	12.1	7.7	10.6	10.4	5.4	9.4	1.5	7.3	5.5	9.7	9.6	9.5	10.1	9.6	4.9	6.6
Thorium 230	GPS (7.0)	-0.2	-0.2	0.8	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-				0.4						0.3								
Lead (Pb210)	GPS (8.9)	-1	5.8	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-			1.8															
Gross Alpha	GPS (15)	5.1	3.6	2.4	3.8	2.7	2.2	3.8	-1	4	3	5.3	7.2	4.6	5.4	2.3	2.7	4.8
Gross Alpha Precision +/-		1.7	1.2	1.1	1	1.2	1	1.3		1.2	1	1.4	1.8	1.4	1.6	1	0.7	0.9
QUALITY ASSURANCE DATA:																		
TDS A/C Balance (dec. %)		1.05	1.03	0.99		1.02	1.09	1.02	0.99	1.01	0.99	0.82	1.02	1.09	1.03	0.94	0.96	0.96
(LAB: Energy Labs Inc. unless noted.)																		

KENNECOTT [illegible] M COMPANY	
TMW-35	
NORTHING: 149,509.35	Groundwater
EASTING: 327,198.92	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

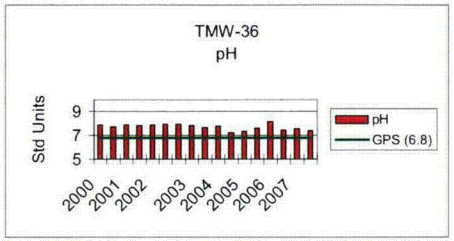


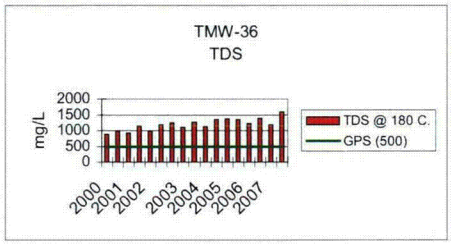


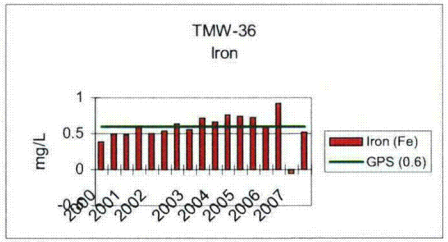


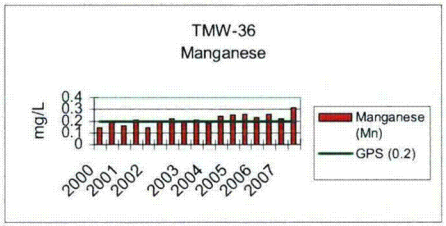
KENNECOTT URANIUM COMPANY																
TMW-36																
NORTHING: 149,108.62	Groundwater	2000		2001		2002			2003		2004		2005		2006	
EASTING: 327,007.02	Protection															
ND = Non-detectable	Standard	02/07/00	08/01/00	02/20/01	08/14/01	02/05/02	07/22/02	08/05/02	02/04/03	08/04/03	02/03/04	08/02/04	02/01/05	08/03/05	02/06/06	08/16/06
FIELD DATA mg/l:	(GPS)															
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	8	16	12	17	9.9	13.3
pH (Std. Units)		7.2	6.9	6.9	6.8	7.1	6.8	6.7	6.7	6.7	8	6.9	6.8	7.2	7.15	6.92
Cond. (umho/cm)		780	980	700	1100	920	920	1140	980	940	940	880	1360	740	1080	1660
TDS																
MAJOR IONS mg/l:																
Alk-CaCO3		147	149	150	160	152	160	165	158	158	156	161	167	166	160	172
Bicarbonate (HCO3)		179	181	183	195	185	195	201	192	193	190	196	204	202	195	210
Calcium (Ca)		178	208	203	250	216	231	254	231	269	260	271	303	277	268	321
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		10	16.9	3.4	14	11.5	10.3	10.8	10.3	2.4	10.5	9	12	10	12	14
Fluoride (F)		0.21	0.18	0.19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Magnesium (Mg)		24	29.2	28.2	35	28.5	33.5	36.3	33.3	37.6	36.9	39.4	42.9	41.1	40	46
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	5.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		4.8	3.7	3.4	4	3.7	3.5	3.9	4.3	12.1	4.5	4.2	4.7	4.2	4.4	5.1
Silica (SiO2)		12.3	13.1	13.1	13	12.3	11.7	12.3	12.1	43.6	13.8	13	12	13	12	13
Sodium (Na)		37.5	37.9	41.2	44	39.4	41.9	42.7	45.9	748	42.9	44.5	45.6	42.5	40.6	44.1
Sulfate (SO4)		438	543	506	630	525	636	705	607	-0.1	689	684	784	735	693	878
NON-METALS:																
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
PHYSICAL PROPERTIES:																
Cond (umho/cm)		1160	1257	1219	1440	1220	1420	1500	1390	1550	1420	1210	1630	1600	1510	1790
pH	GPS (6.8)	7.88	7.72	7.89	7.8	7.9	7.91	7.93	7.81	7.69	7.79	7.22	7.31	7.6	8.13	7.43
TDS @ 180 C.	GPS (500)	873	977	919	1150	976	1180	1250	1100	1270	1120	1340	1360	1340	1230	1390
TRACE METALS mg/l:																
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.38	0.49	0.48	0.61	0.497	0.535	0.63	0.555	0.718	0.665	0.76	0.74	0.72	0.6	0.92
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
Manganese (Mn)	GPS (0.2)	0.14	0.2	0.16	0.21	0.14	0.19	0.22	0.2	0.21	0.18	0.24	0.25	0.26	0.23	0.26
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.052	0.01	-0.01	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001	0.001	-0.001	-0.001	0.001	0.001	0.002	-0.001	-0.001	-0.001	0.001	-0.001	0.001	0.001
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
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
Vanadium (V2O5)		-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	0.021	0.04	0.02	0.02	0.02	-0.01	0.01	0.01	-0.01	0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (36)	27.8	28.7	33.6	41.97	30.6004	49.4	42.7864	44.3	53.8	46.9	47.4	50.3	52.8	51	65.9
Radium 226		2.7	2.6	3	3.5	3.2	2.8	5.8	3	4	4	4.7	4.2	4.1	2.7	4.8
Radium Precision +/-		0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.4	1.1	1.1	0.9	0.8	0.8	0.7
Radium 228		7.7	8.5	6.1	8.9	10.2	14.6	10.3	-1	3.1	4.4	7.9	8.2	8.5	10.3	9
Radium Precision +/-		0.7	0.6	1.3	1.2	1.8	2.3	1		1.1	1.6	1.8	1.1	1.4	1.1	0.9
Combined Ra226/228	GPS (5.8)	10.4	11.1	9.1	12.4	13.4	17.4	16.1	3	7.1	8.4	12.6	12.4	12.6	13	13.8
Thorium 230	GPS (7.0)	-0.2	-0.2	1.3	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-				0.5						0.3						
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1
Lead Precision +/-																
Gross Alpha	GPS (15)	5.2	-1	2.1	3.1	2.1	2.4	5.1	3	6	3.9	9.6	7.5	6.3	4.3	5.3
Gross Alpha Precision +/-		1.7		1	1.2	1.1	1	1.5	1.7	1.4	1.1	1.1	1	1.6	1.5	1.3
QUALITY ASSURANCE DATA:																
TDS A/C Balance (dec. %)		1.1	1.03	1.03	1.06	1.04	1.1	1.07	1.05	1.04	0.98	1.16	1.04	1.1	1.05	0.98
(LAB: Energy Labs Inc. unless noted.)																

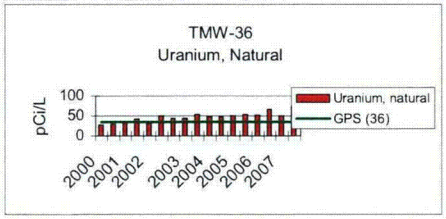
KENNECOTT URANIUM COMPANY			
TMW-36			
NORTHING: 149,108.62 EASTING: 327,007.02	Groundwater Protection	2007	
ND = Non-detectable	Standard	02/12/07	08/16/07
FIELD DATA mg/l:	(GPS)		
Temperature (C)	as of 5/26/05	21.7	9.9
pH (Std. Units)		7.13	6.9
Cond. (umho/cm)		1427	1671
TDS			
MAJOR IONS mg/l:			
Alk-CaCO3		160	185
Bicarbonate (HCO3)		195	226
Calcium (Ca)		262	376
Carbonate (CO3)		-1	-1
Chloride (Cl)		12	11
Fluoride (F)		0.2	0.2
Magnesium (Mg)		38.3	53
Nitrate-N (NO3)		-0.1	-0.1
Potassium (K)		4.9	5.1
Silica (SiO2)		13	12
Sodium (Na)		43.3	47.1
Sulfate (SO4)		723	962
NON-METALS:			
Cyanide (CN)		-0.005	-0.005
PHYSICAL PROPERTIES:			
Cond (umho/cm)		1510	1940
pH	GPS (6.8)	7.57	7.41
TDS @ 180 C.	GPS (500)	1180	1600
TRACE METALS mg/l:			
Aluminum (Al)	GPS (1.8)	-0.1	-0.1
Arsenic (As)	GPS (.05)	-0.001	-0.001
Barium (Ba)		-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01
Boron (B)		-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01
Cobalt (Co)		0.001	0.001
Copper (Cu)		-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	0.52
Lead (Pb)		-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.22	0.31
Mercury (Hg)		-0.0002	-0.0002
Molybdenum (Mo)		0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001
Silver (Ag)		-0.01	0.01
Thallium (Tl)		-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1
Zinc (ZN)		-0.01	-0.01
RADIOMETRIC pCi/l:			
Uranium, natural	GPS (36)	50.5	72.5
Radium 226		2.6	3.4
Radium Precision +/-		0.8	0.6
Radium 228		5.8	10.9
Radium Precision +/-		1	1.1
Combined Ra226/228	GPS (5.8)	8.4	14.3
Thorium 230	GPS (7.0)	-0.2	-0.2
Thorium Precision +/-			
Lead (Pb210)	GPS (8.9)	-1	-1
Lead Precision +/-			
Gross Alpha	GPS (15)	3.2	8.3
Gross Alpha Precision +/-		0.7	1.2
QUALITY ASSURANCE DATA:			
TDS A/C Balance (dec. %)		0.99	1.01
(LAB: Energy Labs Inc. unless noted.)			

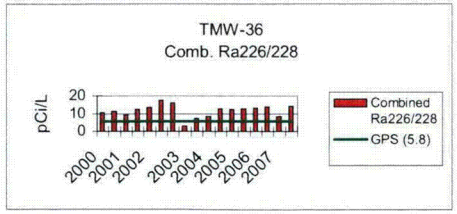






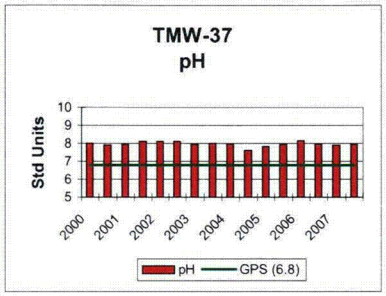


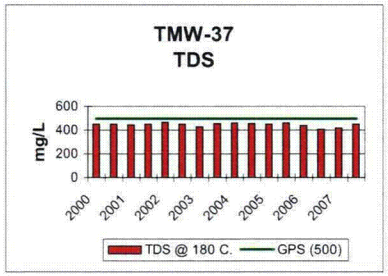


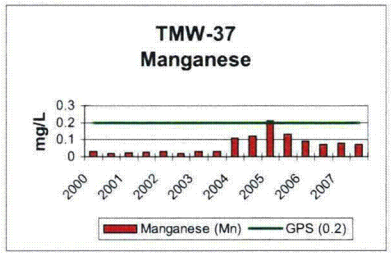


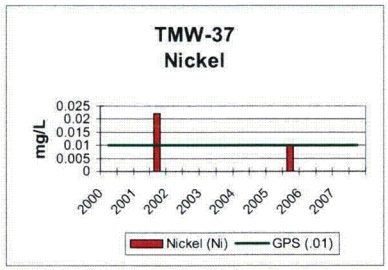
KENNECO[illegible]NIUM COMPANY																	
TMW-37																	
NORTHING: 148,455.68	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 326,999.77	Protection																
ND = Non-detectable	Standard	02/02/00	08/01/00	02/20/01	08/14/01	02/05/02	08/06/02	02/04/03	08/04/03	02/04/04	08/02/04	02/01/05	08/03/05	02/02/06	08/16/06	02/12/07	08/16/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	13	15	8.4	12.9	17.9	9.9
pH (Std. Units)		7.2	7.3	7.2	7.2	7.3	6.8	6.9	6.8	7.6	7.3	7.3	7.5	7.57	7.21	7.6	7.2
Cond. (umho/cm)		540	600	440	780	580	600	580	500	500	460	600	700	500	609	658	616
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3		133	129	128	129	132	127	130	124	126	126	122	130	130	124	132	134
Bicarbonate (HCO3)		161	157	156	157	160	154	158	151	154	154	149	159	159	151	160	163
Calcium (Ca)		93.9	98.5	100	96	104	93.7	94.5	101	107	96	97.3	95.8	95.9	94.1	102	99.9
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		7	12.6	-1	7.8	11.6	6.2	8.9	5.6	7.1	6	7	8	8	8	7	6
Fluoride (F)		0.18	0.17	0.16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Magnesium (Mg)		8.1	8.6	8.9	8.6	8.5	8.3	8.3	8.4	9.3	8.4	8.4	8.3	8.4	7.7	8.8	8.6
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	3.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		4.9	3.6	3.4	3.3	3.5	3.4	4.1	9	3.9	3	3.4	3	3.3	3.4	3.6	3.3
Silica (SiO2)		8.6	9.1	8.8	9	8.8	8	8.5	35.7	9.5	10	9	10	10	11	10	10
Sodium (Na)		34.3	34.3	36.7	36	34.5	33.5	38.4	220	36.6	35.6	36.5	34.3	34.4	35.2	36.8	35.8
Sulfate (SO4)		208	204	208	200	205	209	202	-0.1	223	192	195	195	198	203	219	207
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		682	671	676	670	667	658	675	669	681	666	645	670	650	682	674	654
pH	GPS (6.8)	8	7.89	7.93	8.1	8.1	8.09	7.93	8	7.98	7.59	7.83	7.94	8.16	7.95	7.91	7.92
TDS @ 180 C.	GPS (500)	450	449	443	451	465	450	429	456	458	454	450	459	436	406	418	448
TRACE METALS mg/l:																	
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
Arsenic (As)	GPS (.05)	0.015	0.019	0.021	0.019	0.026	0.031	0.036	0.037	0.039	0.042	0.036	0.043	0.038	0.039	0.04	0.043
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
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
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
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
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		-0.001	-0.001	-0.001	0.0013	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Copper (Cu)		-0.01	-0.01	-0.01	0.052	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.1	0.11	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.03	0.02	0.024	0.027	0.03	0.02	0.03	0.03	0.11	0.12	0.21	0.13	0.09	0.07	0.08	0.07
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	0.0003	0.0006	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.022	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	-0.01	-0.01
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
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
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
Vanadium (V2O5)		-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	0.011	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	9.5	6.41	9.6	8.801	7.447	11.7798	8.3	8.7	10.3	6.5	7.8	5.6	6.2	6	6	5.6
Radium 226		1.2	1.1	1	1.4	1.3	2.5	0.8	1.1	1.6	1.5	1.9	1.4	0.9	1.8	1.4	4.5
Radium Precision +/-		0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.5	0.7	0.6	0.5	0.4	0.5	0.6	0.4
Radium 228		5.1	2.7	-1	2.9	5.4	-1	-1	-1	-1	2.4	1.8	-1	-1	1.3	3.2	-1
Radium Precision +/-		0.6	0.2		1	1.7					1.6	0.9			0.7	0.9	
Combined Ra226/228	GPS (5.8)	6.3	3.8	1	4.3	6.7	2.5	0.8	1.1	1.6	3.9	3.7	1.4	0.9	3.1	4.6	4.5
Thorium 230	GPS (7.0)	-0.2	-0.2	0.9	-0.2	-0.2	-0.2	0.8	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-				0.5				0.5	0.3								
Lead (Pb210)	GPS (8.9)	-1	6.8	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-			1.8														
Gross Alpha	GPS (15)	3.3	2	-1	1.3	-1	1.6	-1	1.7	1.9	5.8	3.3	2	2.4	1.5	2.1	2.9
Gross Alpha Precision +/-		1.4	1		1		1		1	1	1.8	1.4	1.1	1	0.9	0.6	0.8
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.01	1	0.99	1.03	1.01	1.02	0.96	0.99	0.99	1.06	1	1.06	1	0.93	0.9	0.99
(LAB: Energy Labs Inc. unless noted.)																	

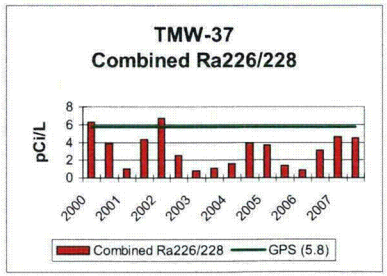
KENNECO[illegible]IUM COMPANY	
TMW-37	
NORTHING: 148,455.68 EASTING: 326,999.77	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	





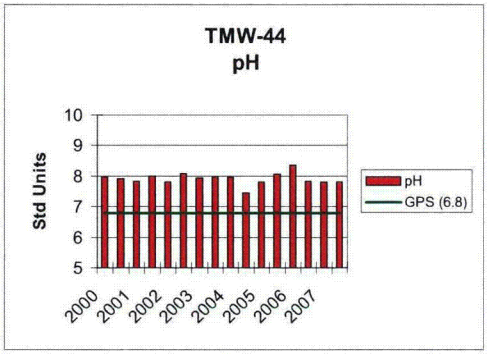


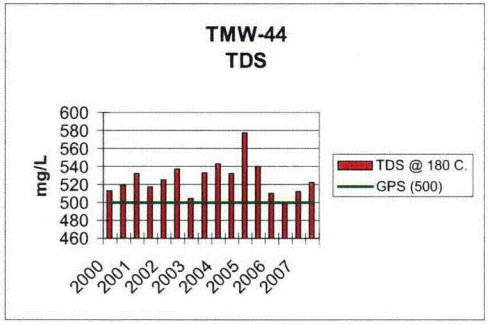


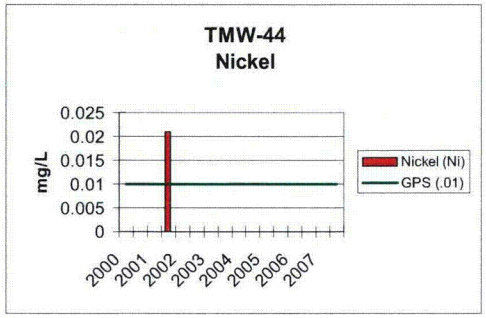


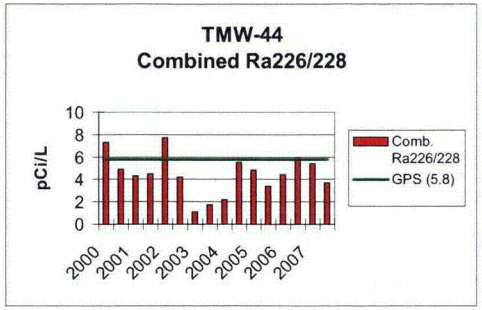
KENNEC[illegible]ANIUM COMPANY																
TMW-44																
NORTHING: 147,612.17	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007
EASTING: 325,588.96	Protection															
ND = Non-detectable	Standard	02/07/00	08/02/00	02/20/01	08/14/01	02/11/02	08/06/02	02/06/03	08/05/03	02/04/04	08/03/04	02/02/05	08/04/05	02/06/06	08/23/06	02/20/07
FIELD DATA mg/L:	(GPS)															
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	14	14	12	8.7	11.1	10.2
pH (Std. Units)		7.2	7.2	7.2	7.1	7.2	7.1	7.2	6.7	8	7.1	6.9	8	7.35	7.31	7.09
Cond (umho/cm)		560	480	460	680	640	660	600	600	620	500	600	440	600	730	714
TDS																
MAJOR IONS mg/L:																
Alk-CaC03		127	124	126	126	126	129	128	128	126	125	122	120	128	124	122
Bicarbonate (HCO3)		155	151	153	153	154	157	156	156	154	152	149	146	152	152	149
Calcium (Ca)		105	111	116	110	117	110	111	117	119	109	119	117	113	112	117
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1
Chloride (Cl)		8.3	13.6	2	9.4	11.3	8.1	9.7	9.2	6.5	6	9	9	10	9	9
Fluoride (F)		0.2	0.19	0.18	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Magnesium (Mg)		9.1	9.6	10.2	9.8	9.7	9.6	9.9	9.9	10.5	9.8	10.3	10.2	10.3	9.8	10.5
Nitrate-N (NO3)		-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
Potassium (K)		4.4	3.1	3	2.9	3.1	3	3.6	3.6	3.4	2.6	3.3	3	2.9	2.9	3.4
Silica (SiO2)		13.7	14.3	14.4	14	13.3	13.9	13.8	14	15.6	14	15	15	15	16	14
Sodium (Na)		36.9	36.6	39.9	39	37	36.7	42.6	39.4	38.9	38.4	41.3	38	37.8	36.4	40.4
Sulfate (SO4)		243	252	256	240	247	258	251	274	277	233	255	252	252	272	280
NON-METALS:																
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
PHYSICAL PROPERTIES:																
Cond. (umho/cm)		751	746	762	743	739	753	762	767	761	736	765	779	747	790	755
pH	GPS (6.8)	7.97	7.91	7.83	8	7.8	8.07	7.93	7.97	7.96	7.45	7.8	8.06	8.35	7.83	7.81
TDS @ 180 C.	GPS (500)	513	519	532	517	525	537	504	533	543	532	577	540	510	500	512
METALS-DISSOLVED mg/l:																
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
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
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
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
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
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
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
Cobalt (Co)		-0.001	-0.001	-0.001	0.0012	-0.001	-0.001	-0.001	-0.001	-0.001	-0.01	-0.001	-0.01	-0.001	-0.01	-0.001
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
Iron (Fe)	GPS (0.6)	0.16	-0.1	0.14	0.13	0.122	0.124	0.09	0.146	0.144	0.1	0.14	0.13	-0.05	-0.05	-0.05
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.08	0.08	0.08	0.073	0.07	0.09	0.08	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08
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
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.08	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.021	-0.01	-0.01	-0.01	-0.01	-0.01	-0.05	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	-0.001	-0.001
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
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
Vanadium (V)		-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
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (36)	1.3	1.3	1.1	1.4217	1.1509	1.4217	1.4	1.5	1.8	2	1.5	1.5	1.7	1.7	2.1
Radium 226		1.8	1.7	2.2	1.8	2.6	4.2	1.1	1.7	2.2	2.1	1.6	2	2.1	2.2	1.6
Radium Precision +/-		0.3	0.2	0.3	0.2	0.3	0.4	0.2	0.2	0.6	0.6	0.6	0.5	0.7	0.5	0.4
Radium 228		5.5	3.2	2.1	2.7	5.1	-1	-1	-1	-1	3.4	3.2	1.4	2.3	3.7	3.8
Radium Precision +/-		0.6	0.2	1.2	1	1.6					1	0.9	1	0.9	1.2	0.9
Comb. Ra226/228	GPS (5.8)	7.3	4.9	4.3	4.5	7.7	4.2	1.1	1.7	2.2	5.5	4.8	3.4	4.4	5.9	5.4
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-									0.5							
Lead (Pb210)	GPS (8.9)	-1	8.7	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-			1.9													
Gross Alpha	GPS (15)	5.2	2.2	-1	2.5	-1	3.4	-1	2.1	1.8	3.3	5.4	2.8	2.7	2.3	2.4
Gross Alpha Precision +/-		1.7	1		1.2		1.2		1	1	1.2	1.6	1.2	1.3	1.1	0.7
QUALITY ASSURANCE DATA:																
TDS A/C Balance (dec. %)		1.03	1	1.02	1.03	1.01	1.03	0.96	0.97	1.02	1.09	1.1	1.04	0.99	0.94	0.93
(LAB: Energy Labs Inc. unless noted.)																

KENNEC[illegible]ANIUM COMPANY		
TMW-44		
NORTHING: 147,612.17	Groundwater	
EASTING: 325,588.96	Protection	
ND = Non-detectable	Standard	08/16/07
FIELD DATA mg/L:	(GPS)	
Temperature (C)	as of 5/26/05	10.2
pH (Std. Units)		7.5
Cond (umho/cm)		707
TDS		
MAJOR IONS mg/L:		
Alk-CaC03		132
Bicarbonate (HCO3)		161
Calcium (Ca)		113
Carbonate (CO3)		-1
Chloride (Cl)		8
Fluoride (F)		0.3
Magnesium (Mg)		9.9
Nitrate-N (NO3)		-0.1
Potassium (K)		2.9
Silica (SiO2)		15
Sodium (Na)		38.6
Sulfate (SO4)		254
NON-METALS:		
Cyanide (CN)		-0.005
PHYSICAL PROPERTIES:		
Cond. (umho/cm)		756
pH	GPS (6.8)	7.8
TDS @ 180 C.	GPS (500)	522
METALS-DISSOLVED mg/l:		
Aluminum (Al)	GPS (1.8)	-0.1
Arsenic (As)	GPS (.05)	-0.001
Barium (Ba)		-0.1
Beryllium (Be)	GPS (.01)	-0.01
Boron (B)		-0.1
Cadmium (Cd)	GPS (.01)	-0.005
Chromium (Cr)	GPS (.05)	-0.01
Cobalt (Co)		-0.01
Copper (Cu)		-0.01
Iron (Fe)	GPS (0.6)	-0.05
Lead (Pb)		-0.01
Manganese (Mn)	GPS (0.2)	0.08
Mercury (Hg)		-0.0002
Molybdenum (Mo)		-0.01
Nickel (Ni)	GPS (.01)	-0.01
Selenium (Se)	GPS (.01)	-0.001
Silver (Ag)		-0.01
Thallium (Tl)		-0.01
Vanadium (V)		-0.1
Zinc (Zn)		-0.01
RADIOMETRIC pCi/l:		
Uranium, natural	GPS (36)	1.8
Radium 226		1.3
Radium Precision +/-		0.4
Radium 228		2.4
Radium Precision +/-		0.9
Comb. Ra226/228	GPS (5.8)	3.7
Thorium 230	GPS (7.0)	-0.2
Thorium Precision +/-		
Lead (Pb210)	GPS (8.9)	-1
Lead Precision +/-		
Gross Alpha	GPS (15)	2.8
Gross Alpha Precision +/-		0.8
QUALITY ASSURANCE DATA:		
TDS A/C Balance (dec. %)		1
(LAB: Energy Labs Inc. unless noted.)		



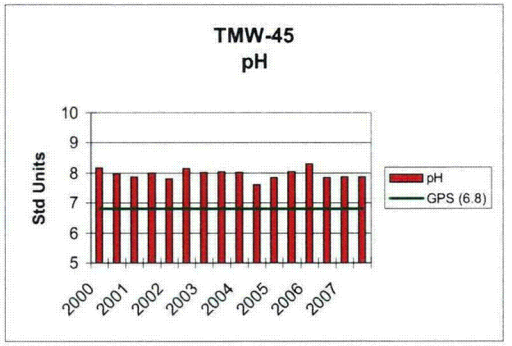


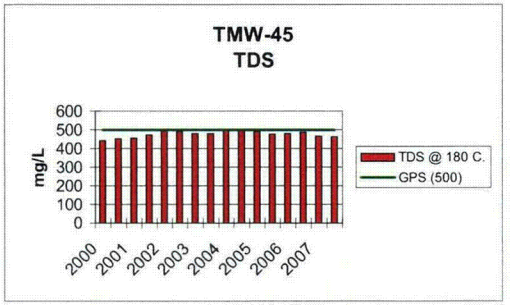


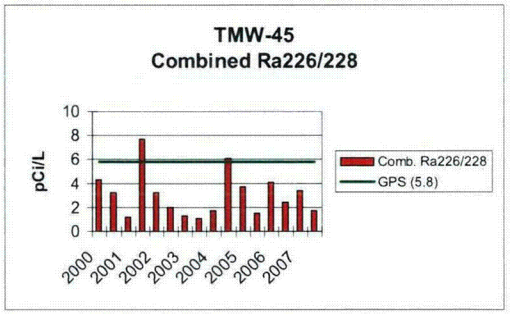


KENNE[illegible]ANIUM COMPANY																	
TMW-45																	
NORTHING: 147,619.66	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 326,196.14	Protection																
ND = Non-detectable	Standard	02/07/00	08/02/00	02/20/01	08/02/01	02/11/02	08/06/02	02/06/03	08/05/03	02/04/04	08/03/04	02/02/05	08/04/05	02/02/06	08/10/06	02/20/07	08/16/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	11	14	7.7	15.7	10.5	10
pH (Std. Units)		6.8	7.3	7.3	7.4	7.3	6.9	7.2	6.8	7.5	6.9	7.2	8.2	7.62	7.28	7.28	7.5
Cond (umho/cm)		480	400	400	600	580	580	580	580	640	480	640	380	500	650	667	634
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3		137	135	132	137	137	138	137	137	137	133	131	129	140	136	138	143
Bicarbonate (HCO3)		167	164	161	166	166	168	167	167	167	163	160	158	168	166	168	174
Calcium (Ca)		97.2	101	103	97.5	109	99.7	101	107	114	102	106	107	104	105	113	108
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	-1
Chloride (Cl)		5.8	11	1	8	11	6.3	8.3	-1	6.7	5	7	7	7	8	7	6
Fluoride (F)		0.21	0.2	0.19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
Magnesium (Mg)		7.2	7.7	7.7	7.4	7.8	7.6	7.8	7.9	8.8	7.9	7.9	8.2	8.2	8.2	8.7	8.3
Nitrate-N (NO3)		-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
Potassium (K)		4.3	3	2.9	2.6	3.1	2.9	3.6	3.6	3.5	2.6	3.2	3	2.9	3.2	2.8	3
Silica (SiO2)		14.6	14.7	14.7	14.3	13.8	14.3	14	14.4	16.3	15	15	15	16	16	18	16
Sodium (Na)		35.7	34.8	37.4	36.3	35.6	34.8	40.5	37.5	37.9	37.3	38.9	36.4	38	37.4	40.3	37.9
Sulfate (SO4)		203	204	207	190	210	214	207	232	246	198	213	210	216	225	241	223
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond. (umho/cm)		667	680	681	679	685	683	694	708	723	671	694	707	693	729	705	689
pH	GPS (6.8)	8.17	7.97	7.87	8	7.8	8.14	8.02	8.04	8.02	7.61	7.85	8.03	8.3	7.84	7.87	7.87
TDS @ 180 C.	GPS (500)	443	452	455	474	494	489	479	481	500	495	489	476	478	486	466	462
METALS-DISSOLVED mg/l:																	
Aluminun (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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.38	0.14	0.15	-0.1	0.184	0.109	0.106	0.143	0.125	-0.05	0.15	0.14	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.1	0.12	0.11	0.11	0.1	0.11	0.1	0.09	0.09	0.1	0.1	0.09	0.09	0.09	0.09	0.09
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
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
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
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	0.002	-0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	2.2	1.61	1.4	1.5571	1.2863	1.354	1.4	2.9	1.6	1.3	1.4	1.3	2.5	1.3	1.4	1.4
Radium 226		1	1.4	1.2	5.1	1.3	2	1.3	1.1	1.7	2.1	1.3	1.5	2.4	1.3	1.4	1.7
Radium Precision +/-		0.2	0.2	0.2	0.7	0.2	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.8	0.4	0.4	0.5
Radium 228		3.3	1.8	-1	2.6	1.9	-1	-1	-1	-1	4	2.4	-1	1.7	1.1	2	-1
Radium Precision +/-		0.2	0.1		1	1.5					1.4	0.9		1.2	0.8	0.9	
Comb. Ra226/228	GPS (5.8)	4.3	3.2	1.2	7.7	3.2	2	1.3	1.1	1.7	6.1	3.7	1.5	4.1	2.4	3.4	1.7
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	0.8	-0.2	-0.2	-0.2	0.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-					0.9				0.5								
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	-1	-1	-1	3.7	-1	3.4	-1	2	2.4	1.8	2.4	3.4	3.8	2.4	1.5	3.4
Gross Alpha Precision +/-					1.2		1.2		1	1	1.1	1.2	1.3	0.8	0.8	0.6	0.8
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.98	0.98	1	1.11	1.04	1.05	1.02	0.98	1	1.1	1	1.03	1	1	0.91	0.95
(LAB: Energy Labs Inc. unless noted.)																	

KENNEC ANIUM COMPANY	
TMW-45	
NORTHING: 147,619.66 EASTING: 326,196.14	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminun (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

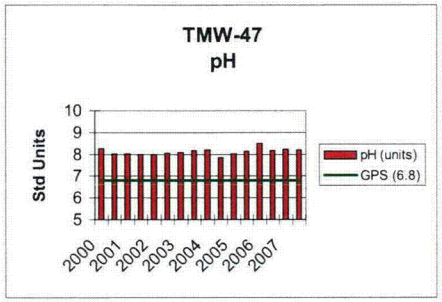


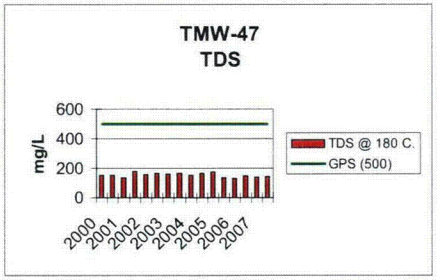


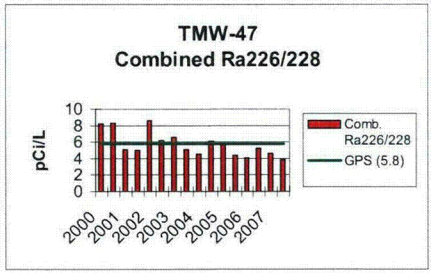


KENNECO[illegible]IUM COMPANY																	
TMW-47																	
NORTHING: 147,310.10	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 326,491.24	Protection																
ND = Non-detectable	Standard	02/07/00	08/02/00	02/22/01	08/02/01	02/05/02	08/21/02	02/06/03	08/05/03	02/10/04	08/03/04	02/02/05	08/04/05	02/02/06	08/22/06	02/20/07	08/17/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	14	11	12	8.5	13.3	11.6	9
pH (Std. Units)		6.7	7.3	7.5	7.6	7.4	6.7	7.4	6.9	8.7	7.7	7.2	7.9	8.01	7.78	7.48	7.8
Cond (umho/cm)		200	180	160	240	240	260	240	240	260	200	260	160	194	200	219	219
TDS																	
MAJOR IONS mg/l:																	
Alk-CaC03		86	84	85	87	86	86	87	84	86.7	83	84	81	85	85	80	89
Bicarbonate (HCO3)		105	103	104	106	104	105	106	102	106	101	103	99	101	104	98	108
Calcium (Ca)		20.4	20.8	22.1	20.2	22.7	21.7	20.8	21.7	21.8	20.5	22	22.7	20.2	20	21.3	21.7
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	-1
Chloride (Cl)		-0.1	2.9	-1	5.1	6.5	-1	5	-1	-1	-1	2	3	3	2	2	2
Fluoride (F)		0.21	0.19	0.19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Magnesium (Mg)		0.9	0.9	1	0.9	-1	-1	-1	-1	-1	0.9	0.9	0.9	0.9	0.7	0.9	0.9
Nitrate-N (NO3)		-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
Potassium (K)		2.8	1.5	1.4	1.1	1.6	1.3	2	1.8	1.8	1	1.5	1.8	1.4	1.2	1.1	1.3
Silica (SiO2)		12.9	13	13.8	12.9	12.4	13.5	12.3	13.1	13.9	13	13	14	13	15	15	14
Sodium (Na)		32.4	31.3	34.6	33	32.3	35.1	36.5	33.7	32.2	32.7	35.1	31.4	32	30.9	35.1	33.3
Sulfate (SO4)		38.5	37.8	39.2	33.8	37.7	36.9	35.7	39.9	36.7	33	37	38	34	37	39	37
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		257	256	257	252	250	251	255	259	259	251	254	254	243	265	246	223
pH (units)	GPS (6.8)	8.24	8.01	8.02	8	8	8.05	8.09	8.16	8.21	7.85	8.02	8.15	8.5	8.16	8.23	8.19
TDS @ 180 C.	GPS (500)	151	151	133	179	158	166	159	167	154	164	172	136	130	150	138	144
METALS-DISSOLVED mg/l:																	
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
Arsenic (As)	GPS (.05)	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.002	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
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
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
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
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
Cobalt (Co)		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.01	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.052	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.01	0.01	0.01	0.03	0.01	0.02	0.01	-0.01	0.02	0.04	0.02	0.01	-0.01	-0.01	-0.01	-0.01
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
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.08	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.05	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
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
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
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
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
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
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	0.2	0.406	0.4	0.4739	0.4062	1.8	0.5	0.8	0.6	0.3	0.3	0.5	0.9	0.3	0.4	0.3
Radium 226		5.5	5.1	5.1	5	5	6.2	6.6	5.1	4.5	6.1	2.5	4.4	4.1	5.2	4.6	3.8
Radium Precision +/-		0.4	0.4	0.4	0.4	0.4	0.8	0.5	0.4	0.7	0.9	0.6	0.7	0.7	0.7	0.7	0.7
Radium 228		2.7	3.2	-1	-1	3.6	-1	-1	-1	-1	-1	3.3	-1	-1	-1	-1	-1
Radium Precision +/-		0.2	0.2			1.6						0.9					
Comb. Ra226/228	GPS (5.8)	8.2	8.3	5.1	5	8.6	6.2	6.6	5.1	4.5	6.1	5.8	4.4	4.1	5.2	4.6	3.8
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	1.1	-0.2	-0.2	-0.2	0.4	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-					1.1				0.4								
Lead (Pb210)	GPS (8.9)	5.3	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-		1.8															
Gross Alpha	GPS (15)	5.2	5.1	4.3	5.8	5.6	5.4	-1	6.8	6.7	6.6	5.6	7	5.3	4.7	3.7	7.3
Gross Alpha Precision +/-		1.6	1.3	1.3	1.4	1	1.8		1.5	1.4	1.6	1	1.7	1.4	1.4	0.8	1.1
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.94	0.94	0.8	1.26	0.94	1.01	0.95	1.02	1.05	1.07	1.1	0.85	0.83	0.95	0.85	0.88
(LAB: Energy Labs Inc. unless noted.)																	

KENNECO[illegible]IUM COMPANY	
TMW-47	
NORTHING: 147,310.10	Groundwater
EASTING: 326,491.24	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaC03	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH (units)	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V205)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

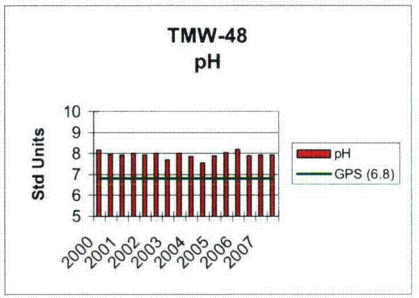


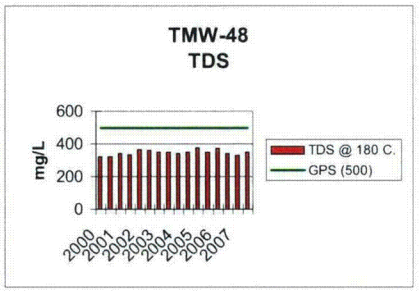


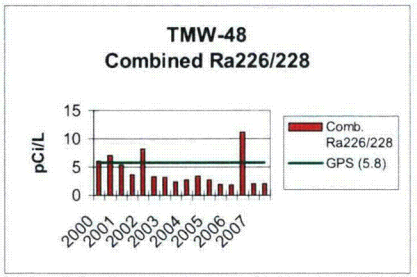


KENNECO[illegible]NIUM COMPANY																	
TMW-48																	
NORTHING: 147,312.58	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 326,482.99	Protection																
ND = Non-detectable	Standard	2/3/00	8/2/00	2/22/01	8/2/01	2/5/02	8/21/02	2/6/03	8/5/03	2/10/04	8/3/04	2/2/05	8/4/05	2/2/06	8/22/06	2/21/07	8/16/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	11	11	8.6	12.4	10.1	9.9
pH (Std. Units)		6.8	7.3	7.3	7.4	7.3	6.9	7.2	6.8	8.2	7.6	7.1	7.3	7.64	7.41	7.14	7.5
Cond (umho/cm)		380	340	320	460	480	480	520	460	480	380	500	300	420	500	513	492
TDS																	
MAJOR IONS mg/l:																	
Alk-CaC03		111	107	109	107	109	109	110	112	111	108	109	106	115	112	110	117
Bicarbonate (HCO3)		135	130	132	130	133	133	134	136	135	132	133	129	140	136	134	142
Calcium (Ca)		70.1	71.2	75.3	66.3	77.5	74.5	71.4	76.1	75.8	71.8	78.1	75	83.6	77.7	81	80.4
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		2.4	8.7	-1	7.2	7.7	4.5	6.6	-1	6.9	3	5	5	6	8	5	5
Fluoride (F)		0.2	0.19	0.19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
Magnesium (Mg)		4.5	4.5	4.9	4.3	4.7	4.9	4.7	4.7	4.8	4.7	5	4.8	5.5	4.6	5.3	5.2
Nitrate-N (NO3)		-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
Potassium (K)		4	2.6	2.5	2	2.6	2.5	3.2	3.1	2.7	2.2	2.7	2.4	2.6	2.4	2.4	2.6
Silica (SiO2)		13.9	14.2	14.5	13.8	13.5	15.2	13.7	14.3	14.9	15	15	15	15	16	17	15
Sodium (Na)		31.4	29.9	32.7	30.8	30.7	32.6	34.9	32.3	30.9	31.5	33.5	30.9	32.3	29.6	34.1	32.8
Sulfate (SO4)		138	141	149	125	144	138	141	158	150	136	147	141	169	160	166	162
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		514	511	520	502	510	511	523	529	540	508	529	534	570	561	539	526
pH	GPS (6.8)	8.17	7.95	7.91	8	7.9	8.01	7.7	8.01	7.84	7.56	7.87	8.03	8.19	7.88	7.92	7.9
TDS @ 180 C.	GPS (500)	323	320	340	333	366	359	348	349	340	348	377	350	374	340	328	350
METALS-DISSOLVED mg/l:																	
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
Arsenic (As)	GPS (.05)	-0.01	-0.01	-0.001	-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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.11	-0.01	-0.01	-0.01	-0.01	0.054	-0.05	0.094	0.093	0.1	0.13	0.1	-0.05	-0.05	-0.05	-0.05
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.07	0.05	0.05	0.04	0.04	0.05
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
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.08	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.05	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
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
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
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
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
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
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	-0.2	0.344	0.3	0.6093	0.2031	1.8	0.2	0.3	0.3	0.3	0.4	0.5	0.7	0.3	0.4	0.3
Radium 226		2.5	2.4	2.4	1.7	2.5	3.3	3.2	2.4	2.7	1.8	4.9	1.9	1.8	2.4	2.1	2.1
Radium Precision +/-		0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.6	0.5	0.9	0.5	0.5	0.5	0.5	0.5
Radium 228		3.5	4.7	2.9	1.9	5.7	-1	-1	-1	-1	1.6	1.5	-1	-1	8.7	-1	-1
Radium Precision +/-		0.2	0.2	1.2		1.6					1	0.8			1.3		
Comb. Ra226/228	GPS (5.8)	6	7.1	5.3	3.6	8.2	3.3	3.2	2.4	2.7	3.4	2.7	1.9	1.8	11.1	2.1	2.1
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.7	0.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-								0.5	0.5								
Lead (Pb210)	GPS (8.9)	-1	-1	-1	1.2	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	2.8	-1	-1
Lead Precision +/-					5										1.6		
Gross Alpha	GPS (15)	4.7	2.2	2	2.8	-1	2.4	5.8	2.4	5.1	4.1	4.8	2.9	2.4	2.1	2.9	2.3
Gross Alpha Precision +/-		1.6	1	1	1.1		1.4	3.4	1.1	1.2	1.3	1.5	1.2	1	1	0.7	0.7
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.97	0.95	0.98	1.11	1.05	1.05	1.01	0.97	1.01	1.06	1.1	1.04	0.98	0.93	0.87	0.94
(LAB: Energy Labs Inc. unless noted.)																	

KENNECOTT URANIUM COMPANY	
TMW-48	
NORTHING: 147,312.58	Groundwater
EASTING: 326,482.99	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaC03	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V205)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	



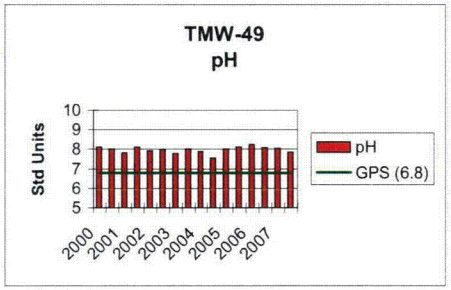


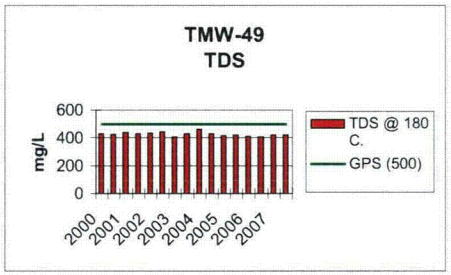


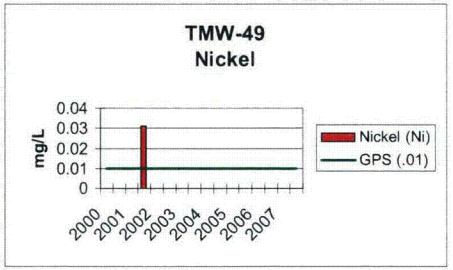
KENNECO[illegible]IUM COMPANY																	
TMW-49																	
NORTHING:147,708.93 EASTING:324,836.10	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	03/08/00	09/06/00	03/21/01	09/04/01	03/06/02	09/04/02	03/05/03	09/15/03	3/9/2004	9/15/2004	3/1/2005	12/17/2005	3/2/2006	9/5/2006	2/27/2007	9/17/2007
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	13	8	12.2	13.9	8.8	10
pH (Std. Units)		7.6	6.1	7.4	7.5	7.3	6.7	6.8	6.7	8.8	7.6	7.5	7.39	7.74	7.44	8.13	7.1
Cond. (umho/cm)		460	480	380	780	580	580	580	500	460	420	440	440	450	572	597	586
TDS																	
MAJOR IONS mg/l:																	
Alk - CaCO3		109	109	108	110	110	111	110	110	110	108	107	108	118	115	107	112
Bicarbonate (HCO3)		132	132	132	134	134	135	134	134	134	132	131	131	143	140	131	136
Calcium (Ca)		87.5	91.5	95.9	89.7	96.9	90.8	82.5	93.8	92.9	93.1	92.7	95.3	89.4	90.7	92.9	89.7
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		8.1	9.3	9	12.4	11.9	10.2	5.7	4	9.8	7	8	7	6	5	9	7
Fluoride (F)		0.16	0.18	0.19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Magnesium (Mg)		4.8	4.8	5.1	4.96	4.9	4.8	4.3	5	4.9	4.9	4.8	5.2	4.8	4.4	4.9	4.9
Nitrate - N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	3.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		2.9	3.2	3	2.71	2.9	2.7	3.4	14.8	2.9	2.7	2.9	2.9	2.6	2.8	3.3	2.9
Silica (SiO2)		14.5	13.6	14.6	14.4	15.4	14.3	12.4	38.9	15.3	14	14	16	15	15	16	14
Sodium (Na)		39.2	37.1	40.6	37.9	38.8	38	36.3	203	40	39.4	38.7	37.4	38.7	38.9	40.5	38.4
Sulfate (SO4)		198	203	206	186	217	197	182	-0.1	204	203	198	207	194	200	215	221
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond. (umho/cm)		637	627	632	629	627	612	626	660	637	613	649	635	620	669	639	630
pH	GPS (6.8)	8.1	8.02	7.82	8.1	7.9	7.99	7.77	8	7.87	7.56	8.01	8.12	8.23	8.09	8.04	7.84
TDS @ 180 C.	GPS (500)	427	424	437	427	433	445	404	429	461	431	417	419	412	406	420	420
METALS-DISSOLVED mg/l:																	
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
Arsenic (As)	GPS (.05)	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	-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
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
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
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
Chromium (Cr)	GPS (.05)	-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	-0.01	-0.01
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
Copper (Cu)		-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	-0.01	-0.01
Iron (Fe)	GPS (0.6)	0.07	-0.1	-0.1	0.137	0.068	-0.05	-0.05	-0.05	0.057	0.057	0.08	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.04	0.04	0.04	0.068	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.031	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	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
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
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
Vanadium (V2O5)		-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	1.86	0.02	0.035	0.05	0.03	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	0.8	1.48	0.7	0.61607	1.1	3	1.2	2	1.7	1.7	2.1	0.5	0.5	0.7	0.4	0.5
Radium 226		0.9	1.5	0.8	1.1	1	1.6	1.8	1.5	1.6	1.6	1.9	0.8	1.6	1.2	1.6	1
Radium Precision +/-		0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.5	0.5	0.5	0.5	1.1	0.4	0.5	0.3
Radium 228		5	2.5	4.4	-1	7.1	-1	2.9	1.4	-1	-1	-1	-1	-1	-1	1.7	2.5
Radium Precision +/-		0.5	0.1	1		1		1	1							0.9	0.9
Comb. Ra226/228	GPS (5.8)	5.9	4	5.2	1.1	8.1	1.6	4.7	2.9	1.6	1.6	1.9	0.8	1.6	1.2	3.3	3.5
Thorium 230	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
Thorium Precision +/-																	
Lead (Pb210)	GPS (8.9)	4.2	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-		2															
Gross Alpha	GPS (15)	2.6	-1	3.5	1.9	4.5	2.3	1.2	3	1.3	1.3	2.5	-1	1	1.1	1.3	1.9
Gross Alpha Precision +/-		1.3		1.5	1	2.1	1.2	1	1	1	1	1.7		0.8	0.4	0.4	0.6
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.01	0.98	0.99	1.03	0.95	1.04	1.02	0.99	1.1	1.1	0.98	0.96	0.98	0.95	0.98	0.94
(LAB: Energy Labs Inc. unless noted.)																	

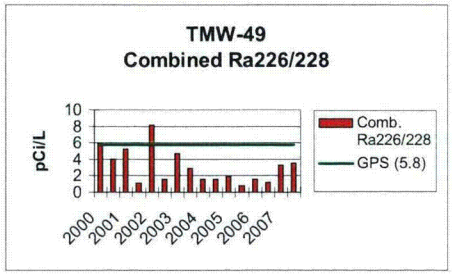
Red = Revised

KENNECO[illegible]IUM COMPANY	
TMW-49	
NORTHING:147,708.93	Groundwater
EASTING:324,836.10	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	



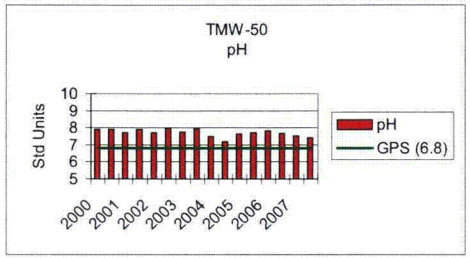


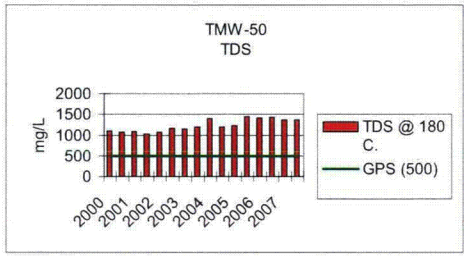


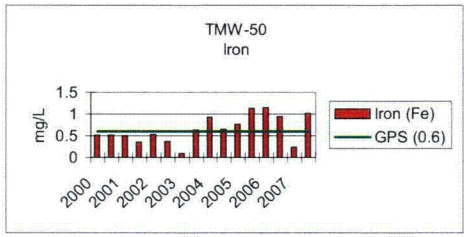


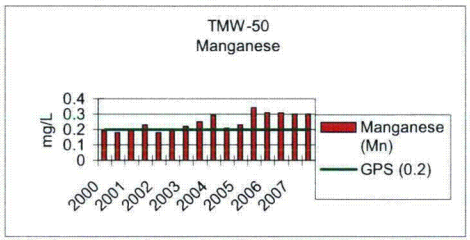
KENNE[illegible]RANIUM COMPANY																	
TMW-5[illegible]																	
NORTHING: 148,198.81	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 324,697.71	Protection																
ND = Non-detectable	Standard	3/8/00	9/6/00	3/21/01	9/4/01	3/6/02	9/4/02	3/5/03	9/15/03	3/9/04	9/15/04	3/1/04	12/16/05	3/2/06	9/5/06	2/27/07	9/12/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	13	14	9.2	9.3	12.8	9.5	10.6
pH (Std. Units)		7.1	6.8	7.2	7.3	7.2	6.9	7.1	6.7	7.6	7.4	7.1	7.09	7.17	7.04	7.53	7.1
Cond. (umho/cm)		940	1020	760	1060	1300	1060	1060	980	1020	820	900	1040	1140	1580	1579	1563
TDS																	
MAJOR IONS mg/l:																	
Alk. - CaCO3		191	188	184	181	184	191	194	194	217	188	195	232	235	230	210	216
Bicarbonate (HCO3)		233	229	224	221	224	232	237	236	265	229	238	284	287	281	256	263
Calcium (Ca)		229	247	253	230	263	258	223	278	311	282	292	354	330	325	326	326
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		33.2	29.1	30.2	28.2	35.4	31.8	24.2	30.3	43.1	30	36	32	36	36	38	36
Fluoride (F)		0.11	0.12	0.13	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
Magnesium (Mg)		17.1	18	18.5	17.1	18.7	19.1	16	21.2	27.1	20	22.1	31.8	29.9	27.5	27	29.1
Nitrate-N (NO3)		-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
Potassium (K)		5.1	4.6	4.5	3.9	4.4	4.3	4.7	4.9	5	4.3	4.8	4.9	4.8	4.8	5.7	5
Silica (SiO2)		15.6	15.6	16.9	16.2	17.9	16.7	13.8	17.6	19	17	16	19	19	18	19	18
Sodium (Na)		53.4	52.5	56.5	51.7	56.6	55.9	49.4	58.3	60.6	58.6	59.1	63.6	64.2	60.6	66.4	66.1
Sulfate (SO4)		524	555	556	480	613	580	522	627	728	616	645	798	761	802	775	808
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond. (umho/cm)		1430	1390	1370	1320	1370	1430	1460	1610	1690	1420	1620	1800	1740	1810	1710	1800
pH	GPS (6.8)	7.91	7.9	7.72	7.9	7.7	7.98	7.74	7.95	7.48	7.17	7.63	7.69	7.82	7.66	7.51	7.41
TDS @ 180 C.	GPS (500)	1100	1070	1080	1020	1070	1160	1150	1200	1390	1190	1230	1440	1410	1430	1370	1370
METALS-DISSOLVED mg/l:																	
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
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
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
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
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
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
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
Cobalt (Co)		-0.001	0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	0.51	0.51	0.5	0.35	0.523	0.369	0.092	0.632	0.932	0.64	0.76	1.13	1.14	0.94	0.24	1.02
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
Manganese (Mn)	GPS (0.2)	0.19	0.18	0.19	0.23	0.18	0.19	0.22	0.25	0.29	0.21	0.23	0.34	0.31	0.31	0.3	0.3
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	0.003	0.001	-0.001	-0.001	-0.001	0.001	0.005	0.001	-0.001	0.001	-0.001	0.001	-0.001	0.001	-0.001
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
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
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
Zinc (ZN)		0.01	0.03	-0.01	0.056	0.03	0.01	0.02	0.01	0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.02
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	2.2	2.5	2.5	2.3018	2.3	2.7	2.7	2.5	3.3	2.5	2.7	2.8	3.4	3.4	2.2	3.2
Radium 226		2.9	4.2	2.5	3.1	2.7	2.6	3.3	3	4.1	2.2	4	2.4	3.7	2.2	3.1	2.5
Radium Precision +/-		0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	1	0.7	0.7	0.7	1.2	0.5	0.6	0.5
Radium 228		7.7	7	7.8	8.7	7.3	4.5	7.3	3.4	4.7	3.3	4.2	5.9	2.6	5.2	2.5	2.9
Radium Precision +/-		0.6	0.6	1.1	1.4	1	1	1.1	1	1.3	1.7	1	1.2	0.9	0.9	0.9	0.8
Comb. Ra226/228	GPS (5.8)	10.6	11.2	10.3	11.8	10	7.1	10.6	6.4	8.8	5.5	8.2	8.3	6.3	7.4	5.6	5.4
Thorium 230	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
Thorium Precision +/-					0.2												
Lead (Pb210)	GPS (8.9)	6.8	-1	-1	4.8	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-		2.1			1												
Gross Alpha	GPS (15)	8.6	3.8	6.1	3.6	6.3	4.5	4	6.1	4.1	4.3	8.7	3	2.4	2.2	3.1	6.3
Gross Alpha Precision +/-		1.1	1.1	1.8	1.2	2.5	1.4	1	1.4	1.1	1.3	1.3	1.4	1.1	0.5	0.6	0.9
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.11	1.03	1.03	1.09	0.94	1.07	1.18	1.03	1.06	1.04	1.03	1	1.01	1.01	0.99	0.96
(LAB: Energy Labs Inc. unless noted.)																	

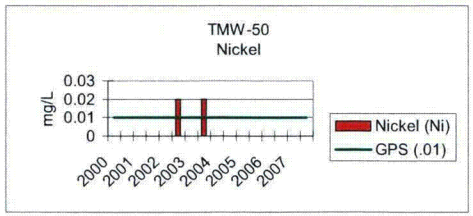
KENNE[illegible]RANIUM COMPANY	
TMW-50	
NORTHING: 148,198.81	Groundwater
EASTING: 324,697.71	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk. - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V205)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

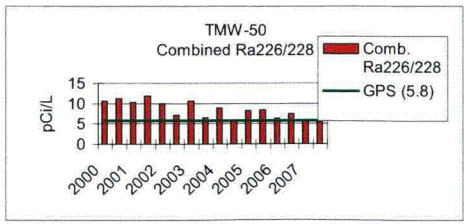






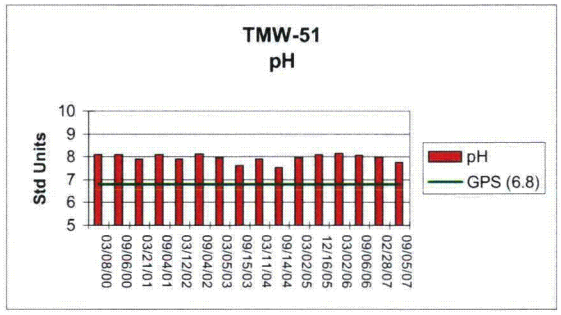


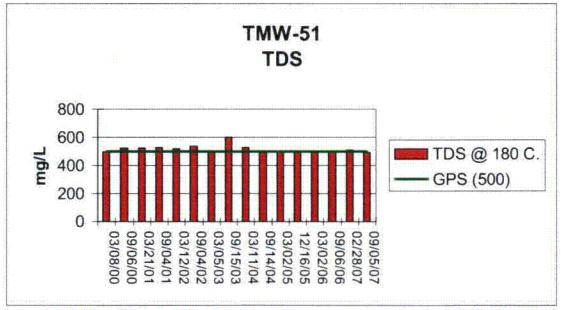


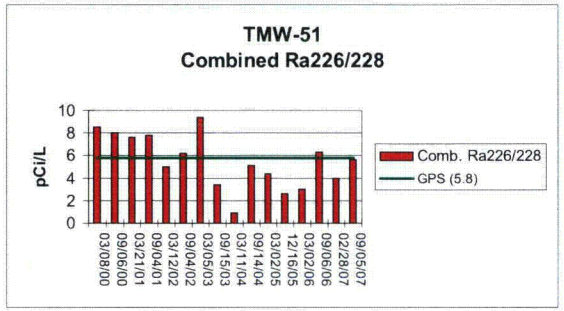


KENNECO[illegible]IUM COMPANY																	
TMW-51																	
NORTHING: 147,995.26 EASTING: 324,449.18	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	03/08/00	09/06/00	03/21/01	09/04/01	03/12/02	09/04/02	03/05/03	09/15/03	03/11/04	09/14/04	03/02/05	12/16/05	03/02/06	09/06/06	02/28/07	09/05/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	14	14	9.8	10.6	12.1	9.8	10.1
pH (Std. Units)		7.2	6.5	7.4	7.5	7.1	6.8	6.8	6.8	7.5	7.3	7.1	7.53	7.56	7.35	7.62	7.7
Cond. (umho/cm)		540	600	520	640	1300	660	660	640	560	500	500	510	540	700	719	685
TDS																	
MAJOR IONS mg/l:																	
Alk - CaCO3		126	125	126	129	127	127	128	126	125	125	125	125	130	135	150	129
Bicarbonate (HCO3)		153	152	153	157	155	155	156	153	153	152	152	152	159	165	182	157
Calcium (Ca)		102	116	117	110	120	112	106	115	113	114	114	116	114	113	116	120
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		11.9	12	10	13.1	13.5	8.5	6	10.1	12.3	8	9	6	11	10	8	9
Fluoride (F)		0.17	0.16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2
Magnesium (Mg)		7.8	8.5	8.7	8.5	8.6	8.2	7.7	8.7	8.5	8.4	8.4	9	8.6	8.3	7.3	8.8
Nitrate - N (NO3)		-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
Potassium (K)		3.5	3.5	3.4	2.7	3.2	3	3.6	3.47	3.8	2.9	3.4	3.1	3	3	2.7	3.1
Silica (SiO2)		13.8	13.5	14.4	14	15.3	14.1	12.9	14.8	14.5	14	15	16	16	16	13	15
Sodium (Na)		38	37.5	40.2	37.1	39.7	38.6	38.2	39.3	40.9	40	39.9	38.1	39.2	37.8	32.3	39.2
Sulfate (SO4)		230	258	249	230	272	243	232	251	246	248	246	250	241	259	215	257
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond. (umho/cm)		734	758	743	745	730	718	741	747	746	714	767	740	731	777	752	728
pH	GPS (6.8)	8.1	8.08	7.89	8.1	7.9	8.12	7.96	7.6	7.88	7.53	7.94	8.08	8.15	8.06	7.98	7.76
TDS @ 180 C.	GPS (500)	496	523	522	527	517	536	500	600	526	492	505	506	492	494	508	490
METALS-DISSOLVED mg/l:																	
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
Arsenic (As)	GPS (.05)	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	-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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.14	0.14	0.12	0.11	0.142	-0.05	-0.05	0.097	0.134	0.15	0.1	-0.05	-0.05	-0.05	-0.05	0.11
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
Manganese (Mn)	GPS (0.2)	0.06	0.08	0.07	0.091	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07
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
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
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
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
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
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
Vanadium (V2O5)		-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	0.5	-0.01	0.037	-0.01	-0.01	0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	1.7	3.25	2.2	1.8956	1.8	2	2.2	1.6	1.8	2.3	2.2	1.8	2	2	1.3	1.8
Radium 226		1.4	2.1	1.2	2	2	2.3	2.2	1.8	0.9	1.8	2.4	1.3	1.6	2	1.6	1.5
Radium Precision +/-		0.3	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.5	0.6	0.6	0.5	1	0.5	0.5	0.4
Radium 228		7.1	5.9	6.2	5.8	3	3.9	7.2	1.6	-1	3.3	2	1.3	1.4	4.3	2.4	4.1
Radium Precision +/-		0.6	0.6	1	1.3	1	1	1.1	1		1.7	0.9	1.1	0.9	1.1	0.9	1
Comb. Ra226/228	GPS (5.8)	8.5	8	7.6	7.8	5	6.2	9.4	3.4	0.9	5.1	4.4	2.6	3	6.3	4	5.6
Thorium 230	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
Thorium Precision +/-																	
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	4	1.8	3.5	2.5	3.5	1.7	1.8	3.8	2.1	1.9	4.1	1.2	1.9	1.4	1.4	1.1
Gross Alpha Precision +/-		1.5	0.9	1.5	1.1	1.9	1.1	1	1.1	1	1	1	1.2	1	0.5	0.4	0.7
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.02	0.99	1	1.07	0.94	1.06	1.03	1.19	1.05	0.96	0.99	0.98	0.96	0.94	1.05	0.93
(LAB: Energy Labs Inc. unless noted.)																	

KENNECOTT URANIUM COMPANY	
TMW-51	
NORTHING: 147,995.26 EASTING: 324,449.18	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	







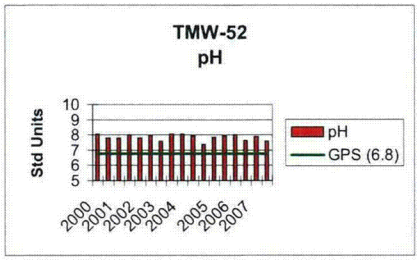
KENNECOTT U[illegible]M COMPANY																		
TMW-52																		
NORTHING: 148,316.56	Groundwater	2000		2001		2002		2003		2004			2005		2006		2007	
EASTING: 324,221.64	Protection																	
ND = Non-detectable	Standard	3/9/00	9/6/00	3/21/01	9/4/01	3/7/02	9/4/02	3/5/03	9/15/03	1/13/04	3/11/04	9/14/04	3/2/05	12/16/05	3/1/06	9/6/06	2/28/07	9/5/07
FIELD DATA mg/l:	(GPS)																	
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	8	14	13	9.6	9.9	14.2	9.2	9.9
pH (Std. Units)		7.2	6.4	7.3	7.3	7.2	7.2	6.8	6.8	8.3	7.2	7.3	7.1	7.23	7.43	7.31	7.52	7.4
Cond. (umho/cm)		680	800	660	880	860	780	860	800	800	700	660	680	760	740	1100	1032	1071
TDS																		
MAJOR IONS mg/l:																		
Alk - CaCO3		153	153	153	158	155	150	156	150	153	154	147	147	152	158	160	140	159
Bicarbonate (HCO3)		186	186	187	193	188	183	190	183	187	188	179	180	186	192	195	171	194
Calcium (Ca)		151	177	172	160	187	156	154	161	206	172	164	167	210	203	201	187	206
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		15.3	17.6	18.1	17.1	18.9	15.8	12.2	18.7	15.1	15.9	13	15	16	19	19	18	19
Fluoride (F)		0.16	0.15	0.18	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	-0.1	0.1	0.2
Magnesium (Mg)		11.5	12.2	12.5	12.3	12.9	11.4	10.8	11.1	14.4	12.7	11.8	12	14.6	13.7	12.8	12.9	13.7
Nitrate - N (NO3)		-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
Potassium (K)		4	4.3	4.1	3.4	3.9	3.5	4.2	3.8	7.9	3.8	3.5	4.1	4.1	4	4.1	4.5	4.1
Silica (SiO2)							13.9	12.9	14.7	16.5	15.2	14	15	17	17	17	17	17
Sodium (Na)		48	48.1	50	47.5	50.9	47.7	46.4	45.7	54.8	53.4	49.6	49.5	51.7	53.5	54.6	54	53.3
Sulfate (SO4)		355	406	385	350	392	358	352	363	471	398	369	371	480	464	480	452	471
NON-METALS:																		
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
PHYSICAL PROPERTIES:																		
Cond. (umho/cm)	,	1000	1070	1020	1040	1020	967	1030	1080	1050	1060	973	1030	1180	1150	1240	1100	1170
pH	GPS (6.8)	8.05	7.79	7.79	8	7.8	7.97	7.6	8.05	8.05	7.92	7.38	7.86	7.91	8.01	7.62	7.87	7.59
TDS @ 180 C.	GPS (500)	704	781	748	771	753	730	744	739	754	786	720	732	875	872	898	796	838
METALS-DISSOLVED mg/l:																		
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
Arsenic (As)	GPS (.05)	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.002	-0.002	-0.002	-0.001	-0.002	-0.002	-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
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
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
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
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
Cobalt (Co)		-0.001	-0.001	-0.001	-0.001	-0.001	0.001	-0.001	-0.001	-0.001	-0.001	-0.01	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	0.41	0.54	0.54	0.35	0.46	0.222	-0.05	0.411	0.459	0.409	0.44	0.31	0.22	0.18	0.19	0.18	0.27
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
Manganese (Mn)	GPS (0.2)	0.09	0.11	0.1	0.13	0.1	0.09	0.09	0.11	0.1	0.1	0.1	0.09	0.12	0.11	0.12	0.11	0.12
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	0.0003	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
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
Selenium (Se)	GPS (.01)	-0.001	-0.001	0.001	-0.001	-0.001	-0.001	-0.001	-0.005	-0.005	-0.005	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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	0.08	-0.01	-0.01	-0.01	0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																		
Uranium, natural	GPS (36)	4.6	4.67	5.9	4.9421	5.2	5.8	4.8	4.8	6.3	6.2	6.2	5.2	3.5	3.9	3.3	3.7	3.5
Radium 226		1.3	2.1	1.9	2.3	2.3	2.1	2.5	1.8	3.7	2.1	2.1	2.3	2.6	2.3	2.8	3.2	3.6
Radium Precision +/-		0.3	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.7	0.6	0.7	0.6	0.7	1.1	0.6	0.7	0.6
Radium 228		8.4	3.9	4.9	4.4	3	3.9	4.9	2.2	2.8		-1	2.1	4.1	1.5	8	2.1	9.2
Radium Precision +/-		0.6	0.2	1	1.3	1	1	1	1	0.9			0.9	1.1	0.9	1.2	0.9	1.1
Comb. Ra226/228	GPS (5.8)	10.2	6	6.8	6.7	5.3	6	7.4	4	6.5	2.1	2.1	4.4	6.7	3.8	10.8	5.3	12.8
Thorium 230	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
Thorium Precision +/-																		
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																		
Gross Alpha	GPS (15)	4.9	2.5	2.9	1.7	3.8	2	3.8	3	3.3	2.5	2.6	3	2.6	3.6	2.3	2.7	5.1
Gross Alpha Precision +/-		1.7	0.9	1.4	1	1.9	1.1	1	1	1.3	1	1.1	1.7	1.4	1.3	0.5	0.6	1
QUALITY ASSURANCE DATA:																		
TDS A/C Balance (dec. %)		1.02	1.01	1	1.1	0.96	1.04	1.08	1.03	0.88	1.05	1.01	.1.01	0.99	1	1.02	0.96	0.95
(LAB: Energy Labs Inc. unless noted.)																		

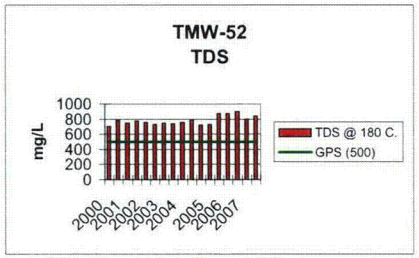
ORGANICS:

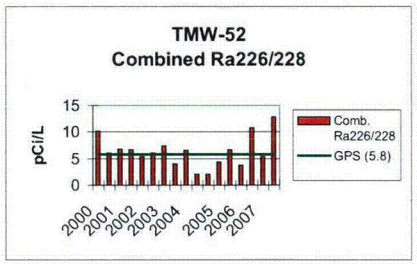
Diesel Range Organics (mg/L)	ND
Gasoline Range Organics (mg/L)	ND
1,1,1-Trichloroethane (ug/L)	ND
Naphthalene (ug/L)	3.8

KENNECOTT URANIUM COMPANY	
TMW-52	
NORTHING: 148,316.56 EASTING: 324,221.64	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

ORGANICS:
Diesel Range Organics (mg/L)
Gasoline Range Organics (mg/L)
1,1,1-Trichloroethane (ug/L)
Naphthalene (ug/L)

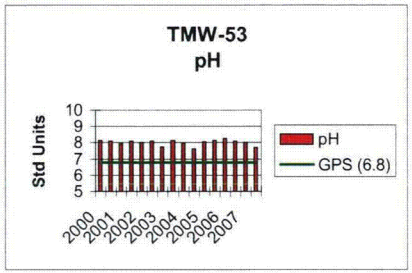


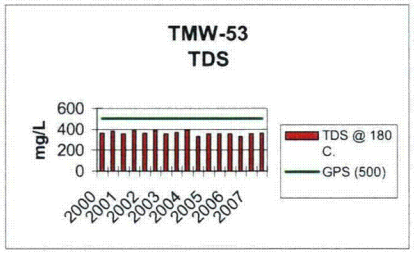


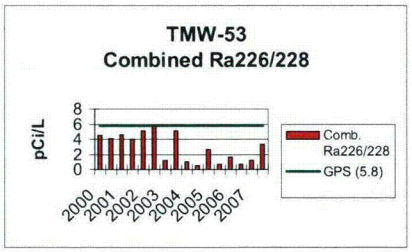


KENNECOT[illegible]NIUM COMPANY																	
TMW-53																	
NORTHING: 147,849.28 EASTING: 323,913.72	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	3/9/00	9/6/00	3/22/01	9/4/01	3/7/02	9/5/02	3/5/03	9/17/03	3/9/04	9/14/04	3/2/05	12/16/05	3/1/06	9/5/06	2/28/07	9/5/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	14	13	6.3	9.8	13.6	9	10.4
pH (Std. Units)		7.4	6.9	7.5	7.4	7.3	6.9	6.9	6.7	7.3	7.9	7.1	7.53	7.57	7.36	7.45	7.4
Cond (umho/cm)		400	460	360	500	480	480	520	500	440	380	400	430	420	507	529	517
TDS																	
MAJOR IONS mg/l:																	
Alk-CaC03		104	105	102	105	103	105	104	101	102	103	99	100	105	110	103	107
Bicarbonate (HCO3)		126	127	124	128	126	128	127	123	124	125	121	122	128	134	126	130
Calcium (Ca)		68.3	77.1	76.4	69.3	81.6	73.6	71.5	74.8	80	72.7	73.7	75.8	72.2	70.3	76.6	78.6
Carbonate (CO3)		-0.1	-0.1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		6.8	7.7	9.3	11.5	11	7.1	1.1	10	10.5	5	6	5	7	5	8	6
Fluoride (F)		0.16	0.15	0.18	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	-0.1	0.2	0.2
Magnesium (Mg)		3.3	3.6	3.6	3.4	3.6	3.4	3.3	3.4	3.7	3.4	3.4	3.7	3.4	3.1	3.6	3.7
Nitrate-N (NO3)		-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
Potassium (K)		3	2.8	2.4	2.1	2.7	2.4	3.2	2.4	2.8	2.3	3.1	2.5	2.3	2.5	2.9	2.6
Silica (SiO2)		13.3	13.5	13.5	13.4	15	13.8	12.9	14.4	15.6	14	15	16	15	15	15	15
Sodium (Na)		39.6	40.3	43.2	39	41.5	40.3	40.5	39.9	39.7	41.1	40.6	39.6	42	39.9	43.1	41.6
Sulfate (SO4)		160	178	169	150	170	165	160	163	169	160	162	170	157	162	180	178
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		566	571	562	556	551	543	557	567	557	535	560	556	543	592	563	540
pH	GPS (6.8)	8.14	8.1	7.95	8.1	8	8.1	7.75	8.14	7.96	7.6	8.04	8.15	8.27	8.11	8.03	7.71
TDS @ 180 C.	GPS (500)	360	377	353	386	364	384	355	366	394	333	355	354	354	330	358	364
METALS-DISSOLVED mg/l:																	
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
Arsenic (As)	GPS (.05)	-0.001	0.001	0.002	0.0017	0.001	0.002	0.001	0.001	0.002	0.001	0.002	0.001	0.001	0.001	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	-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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.04	0.08	-0.01	-0.1	-0.1	-0.1	-0.1	0.083	0.308	0.12	0.1	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.04	0.05	0.04	0.046	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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
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
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
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
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
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
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
Zinc (ZN)		-0.01	0.04	-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
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	0.7	0.542	0.4	0.32496	0.7	0.6	0.4	0.8	0.5	1.6	0.5	0.4	0.7	0.9	0.3	1
Radium 226		0.4	1.3	0.9	1.1	1.2	1.1	1.2	0.9	1	0.5	1.3	0.7	1.6	0.7	1.2	0.5
Radium Precision +/-		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.5	0.4	1	0.3	0.4	0.3
Radium 228		4.1	2.8	3.7	2.9	3.9	4.8	-1	4.2	-1	-1	1.3	-1	-1	-1	-1	2.8
Radium Precision +/-		0.2	0.1	1.2	1.2	1	1		1.3			0.9					1
Comb. Ra226/228	GPS (5.8)	4.5	4.1	4.6	4	5.1	5.9	1.2	5.1	1	0.5	2.6	0.7	1.6	0.7	1.2	3.3
Thorium 230	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
Thorium Precision +/-																	
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	3	1	-1	1.3	3.2	2.2	-1	2.6	1.4	1.7	-1	-1	1.1	-1	-1	1.4
Gross Alpha Precision +/-		1.4	0.8		1	1.8	1.1		1	1	1			0.8			0.7
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1	0.97	0.93	1.09	0.93	1.03	0.99	0.98	1.07	0.92	0.98	0.95	0.98	0.91	0.92	0.93
(LAB: Energy Labs Inc. unless noted.)																	

KENNECO[illegible]IUM COMPANY	
TMW-53	
NORTHING: 147,849.28	Groundwater
EASTING: 323,913.72	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaC03	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V205)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

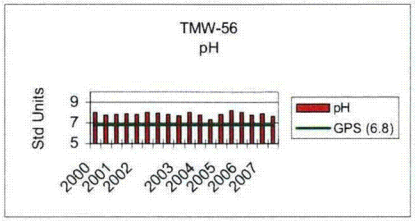


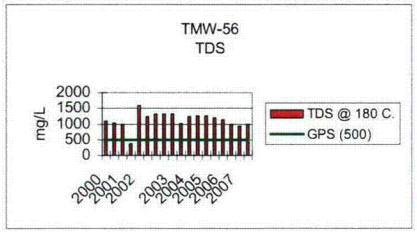


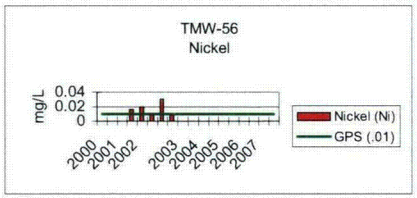


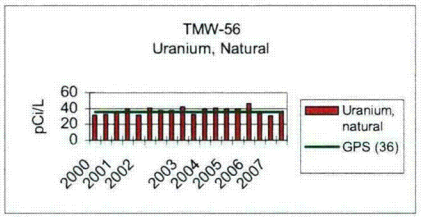
KENNECOTT URANIUM COMPANY																			
TMW-56																			
NORTHING: 149,105.02	Groundwater	2000		2001		2002				2003		2004		2005		2006		2007	
EASTING: 324,418.67	Protection																		
ND = Non-detectable	Standard	3/9/00	9/7/00	3/22/01	9/4/01	3/12/02	7/23/02	9/5/02	10/10/02	3/5/03	9/17/03	3/11/04	9/15/04	3/2/05	12/22/05	3/2/06	9/11/06	2/28/07	9/17/07
FIELD DATA mg/l:	(GPS)																		
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	8	8	11	12	9.1	11.2	13.3	9.2	10.9
pH (Std. Units)		7.2	6.9	7.3	7.4	7.2	6.8	6.8	6.7	6.8	6.7	7.4	7.5	6.7	7.39	7.43	7.21	7.09	7.4
Cond. (umho/cm)		900	124	760	1220	640	640	1040	1180	1080	860	920	800	980	970	940	1217	1158	1212
TDS																			
MAJOR IONS mg/l:																			
Alk - CaCO3		99	97	97	92	92	78	92	92	92	94	91.9	92	90	90	100	91	90	95
Bicarbonate (HCO3)		120	118	118	112	112	94.6	112	112	112	115	112	113	110	110	122	111	110	116
Calcium (Ca)		221	218	220	320	364	226	275	307	260	231	267	280	283	239	256	229	209	218
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-14	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		23	27.9	6.1	45.2	56.2	39.3	41.2	53.7	38.3	31.8	40.9	35	46	46	43	36	31	36
Fluoride (F)		0.12	0.11	0.14	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	0.2
Magnesium (Mg)		17.6	17.6	17.7	24.3	27.5	20.3	21.1	22.2	19.7	17.6	21.1	21.1	22	19	21.3	18.5	17.3	18.6
Nitrate - N (NO3)		-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
Potassium (K)		5.4	4.5	4.4	5.5	5.7	4.8	5	5.7	5.1	4.4	5.8	4.7	5.5	4.6	4.6	4.5	4.8	4.7
Silica (SiO2)		8.2	9.1	8.6	9.4	11.1	7.8	9	9.4	8.1	9.8	9.1	9	9	10	10	10	10	9
Sodium (Na)		52.8	51.6	53.6	56.2	66.9	57.3	58.9	61.1	57.5	52.4	59.6	59.9	59.4	50.4	58.8	56.1	53.5	54.6
Sulfate (SO4)		585	545	570	853	965	634	728	740	683	584	691	705	716	683	651	609	567	629
NON-METALS:																			
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
PHYSICAL PROPERTIES:																			
Cond. (umho/cm)		1400	1320	1280	1810	1860	1480	1580	1640	1630	1320	1530	1450	1600	1510	1450	1410	1240	1380
pH	GPS (6.8)	8.01	7.76	7.81	7.9	7.8	7.99	7.92	7.82	7.7	8.01	7.77	7.33	7.81	8.17	7.97	7.75	7.86	7.61
TDS @ 180 C.	GPS (500)	1090	1030	982	380	1580	1230	1320	1310	1310	1020	1240	1250	1260	1200	1130	996	928	1000
METALS-DISSOLVED mg/l:																			
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
Arsenic (As)	GPS (.05)	0.022	0.028	0.025	0.022	0.019	0.016	0.019	0.017	0.017	0.02	0.02	0.021	0.02	0.022	0.016	0.017	0.019	0.018
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
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
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
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
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
Cobalt (Co)		0.002	0.002	0.002	0.003	0.003	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.002
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
Iron (Fe)	GPS (0.6)	0.11	-0.1	-0.1	0.13	0.15	-0.1	-0.1	-0.1	-0.1	0.094	0.093	0.12	0.13	0.13	-0.05	-0.05	0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.11	0.11	0.1	0.27	0.18	0.14	0.13	0.14	0.14	0.11	0.14	0.14	0.14	0.14	0.13	0.13	0.1	0.11
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.016	0.02	0.01	0.03	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	0.001	-0.001	0.002	-0.001	-0.001	-0.001	0.001	-0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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	0.03	-0.01	-0.01	0.01	0.08	-0.01	0.01	0.07	-0.01	0.01	-0.01	-0.01	0.03	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																			
Uranium, natural	GPS (36)	31.7	32.8	35.6	39.3337	31.6	40.8	37.7	37.1	42.1	32.6	39.4	40.9	39.8	39.4	45.9	34.2	30.5	36.2
Radium 226		4.2	5.3	4.7	7.8	6.3	3.9	4.6	5.4	5.4	3.5	4.1	2.4	5.9	3.6	3.6	2.5	4.7	2.7
Radium Precision +/-		0.4	0.4	0.4	0.5	0.7	0.3	0.4	0.4	0.6	0.4	0.8	0.7	0.9	0.7	1.3	0.6	0.8	0.5
Radium 228		9.8	15.5	10	13.9	14.5	12.9	8.7	13.9	12.1	-1	7.7	3.2	6.5	8.4	2.6	7.6	3.6	6.6
Radium Precision +/-		0.6	1	1.4	1.6	1	2.2	1	1.3	1.2		1.5	1.7	1	1.2	0.9	1	0.9	1
Combined Ra226/228	GPS (5.8)	14	20.8	14.7	21.7	20.8	16.8	13.3	19.3	17.5	3.5	11.8	5.6	12.4	12	6.2	10.1	8.3	9.3
Thorium 230	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
Thorium Precision +/-																			
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																			
Gross Alpha	GPS (15)	14.6	5.5	3.2	4	9.2	4.5	6.5	5.4	6.3	7	6	6	15.9	7.3	5.5	3.4	3.2	5.7
Gross Alpha Precision +/-		1.4	1.2	1.2	1.2	1.8	1	1	1	1.2	1.5	1.2	1.4	1.6	1.5	1.5	0.6	0.6	0.8
QUALITY ASSURANCE DATA:																			
TDS A/C Balance (dec. %)		1.12	1.1	1.04	0.28	1.01	1.18	1.04	1.1	1.16	1.03	1.09	1.07	1.06	1.08	1.03	0.98	0.98	0.97
(LAB: Energy Labs Inc. unless noted.)					Red = Revised Result														

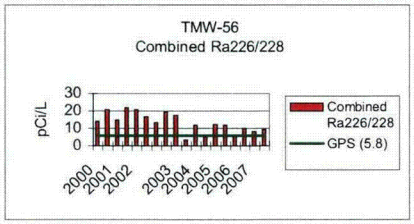
KENNECOTT U[illegible]M COMPANY	
TMW-56	
NORTHING: 149,105.02	Groundwater
EASTING: 324,418.67	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

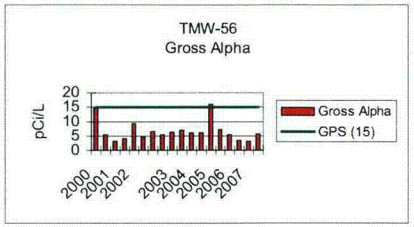






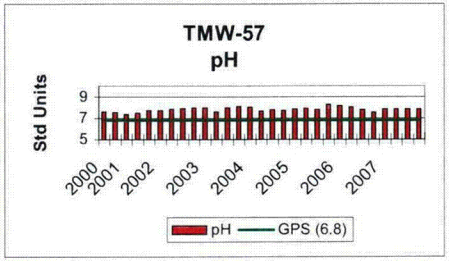


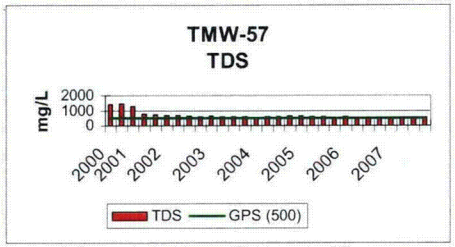


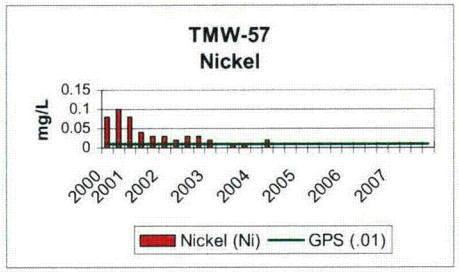


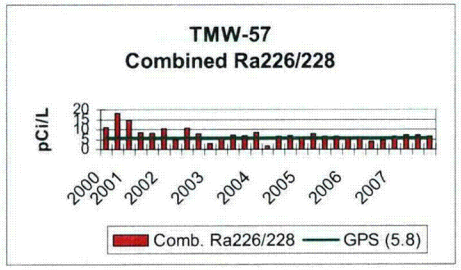
KENNECOT[illegible]UM COMPANY																			
TMW-57																			
NORTHING: 149,296.82	Groundwater	2000		2001			2002				2003				2004				2005
EASTING: 324,590.47	Protection																		
ND = Non-detectable	Standard	03/09/00	09/07/00	03/26/01	07/02/01	10/02/01	01/08/02	04/08/02	07/10/02	10/03/02	01/07/03	04/07/03	07/09/03	10/16/03	1/5/2004	4/5/2004	7/12/2004	10/7/2004	1/5/2005
FIELD DATA mg/l:	(GPS)																		
Temperature (C)	as of 5/26/05	8	8	8	10	10	8	8	20	8	8	8	10	12	6	14	20	12	8
pH (Std. Units)		6.7	6.7	6.8	6.9	6.8	6.8	6.7	6.7	6.5	6.6	7.1	6.7	6.7	6.9	6.8	7.1	6.9	6.7
Cond. (umho/cm)		1060	1520	820	940	860	900	800	800	760	840	760	660	700	700	680	720	580	840
TDS																			
MAJOR IONS mg/l:																			
Alk - CaCO3		118	121	114	107	105	105	105	106	105	107	106	106	108	107	106	108	109	122
Bicarbonate (HCO3)		143	148	139	129	128	128	127	129	127	131	129	129	132	131	129	132	133	149
Calcium (Ca)		278	300	274	153	150	166	151	136	133	103	122	125	126	135	134	130	140	129
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		14.5	17.9	15.6	23.6	18	16.4	19.4	10.8	17.8	15.8	14.6	11.8	10.6	9.4	14	15	17	13
Fluoride (F)		0.19	0.16	0.16	0.17	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2
Magnesium (Mg)		37.9	41.8	35	16.6	13	13.5	11.7	11.1	11.2	8	9.1	9.4	9.5	9.9	10.2	10	10.2	9.6
Nitrate - N (NO3)		-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
Potassium (K)		5.9	5.7	5.3	4.2	3.2	3.7	3.6	3.7	3.3	4.4	3.7	3.7	3.4	3.2	3.9	3	3.4	3.2
Silica (SiO2)		7	6	7.5	10.4	11	12.1	11.8	11.8	16	9.1	12.2	12	13.8	14	13.5	14	15	15
Sodium (Na)		41.8	37.6	42	39.3	37	40.9	40.9	42	42.4	36.7	42.1	44	38.9	41	41.5	43	46	42.3
Sulfate (SO4)		773	784	737	385	350	403	377	341	334	257	304	303	321	315	320	316	329	312
NON-METALS:																			
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
PHYSICAL PROPERTIES:																			
Cond. (umho/cm)		1710	1720	1560	1060	964	938	908	896	868	880	817	855	855	844	849	816	842	846
pH	GPS (6.8)	7.62	7.52	7.37	7.5	7.7	7.7	7.82	7.88	7.97	7.93	7.6	7.97	8.07	7.99	7.66	7.77	7.72	7.85
TDS @ 180 C.	GPS (500)	1420	1440	1280	767	707	672	662	641	603	633	600	581	587	554	581	610	618	648
METALS-DISSOLVED mg/l:																			
Aluminum (Al)	GPS (1.8)	-0.1	0.14	-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
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
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
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
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
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
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		0.078	0.086	0.063	0.034	0.021	0.015	0.014	0.01	0.013	0.015	0.005	0.007	0.009	0.007	0.01	0.005	0.005	0.007
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
Iron (Fe)	GPS (0.6)	9.16	8.87	7.47	2.08	0.8	0.796	0.638	0.262	-0.05	0.297	0.136	-0.01	0.206	-0.05	0.442	-0.05	-0.05	0.11
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
Manganese (Mn)	GPS (0.2)	0.98	1.08	0.91	0.41	0.3	0.22	0.19	0.16	0.19	0.22	0.11	0.11	0.13	0.13	0.15	0.12	0.13	0.12
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
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
Nickel (Ni)	GPS (.01)	0.08	0.1	0.08	0.04	0.03	0.03	0.02	0.03	0.03	0.02	-0.01	0.01	0.01	-0.01	0.02	-0.05	-0.05	-0.05
Selenium (Se)	GPS (.01)	-0.001	-0.001	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
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
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
Vanadium (V2O5)		-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)		0.03	0.03	0.06	0.03	0.043	0.02	0.02	0.01	0.12	0.02	-0.01	-0.01	-0.01	-0.01	0.02	0.05	-0.01	-0.01
RADIOMETRIC pCi/l:																			
Uranium, natural	GPS (36)	39.3	51.9	40.8	15.9	13.54	10.7643	10.3581	8.3948	2.4	8.9	5.7	5.8	6.5	5.9	6.6	4.8	4.9	4.5
Radium 226		3.5	5.4	4.7	2.2	3.4	2.4	1.9	2.7	2.6	2.8	1.9	1.6	2.2	2	1.6	2.6	1.9	1.8
Radium Precision +/-		0.4	0.4	0.4	0.3	0.4	0.2	0.3	0.3	0.3	0.4	0.3	0.2	0.3	0.5	0.4	0.6	0.5	0.5
Radium 228		7.6	12.6	9.7	6.2	4.7	8	3.1	7.8	5	-1	3.8	5.5	4.6	6.5	-1	3.7	4.9	3.9
Radium Precision +/-		0.6	1	1.4	1	1.1	1	1	1.3	1.2		1.6	1.8	1.2	1.2		1.4	1.1	1
Combined Ra226/228	GPS (5.8)	11.1	18	14.4	8.4	8.1	10.4	5	10.5	7.6	2.8	5.7	7.1	6.8	8.5	1.6	6.3	6.8	5.7
Thorium 230	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
Thorium Precision +/-																			
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1
Lead Precision +/-																			
Gross Alpha	GPS (15)	13.1	5.2	4.3	2.4	2.3	4.7	3.7	1.9	3.4	4.3	4.6	-1	3.2	3.5	3	2.1	1.3	2.9
Gross Alpha Precision +/-		1.3	1.2	1.3	1	1	1.3	1	1	1	1.1	1.5		1.2	1.1	1.2	1	1	1.5
QUALITY ASSURANCE DATA:																			
TDS A/C Balance (dec. %)		1.14	1.13	1.07	1.09	1.1	0.94	0.97	1.03	0.96	1.26	1.04	1.01	1.02	0.96	0.99	1.02	0.99	1.09
(LAB: Energy Labs Inc. unless noted.)																		TMW-57	

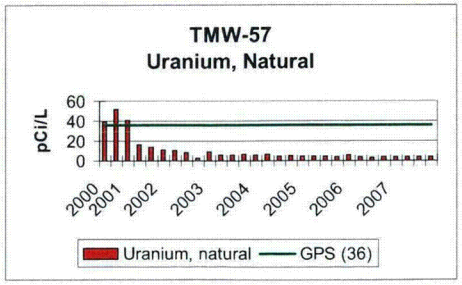
KENNECOT[illegible]UM COMPANY												
TMW-57												
NORTHING: 149,296.82	Groundwater				2006				2007			
EASTING: 324,590.47	Protection											
ND = Non-detectable	Standard	4/6/2005	7/11/2005	11/8/2005	1/11/2006	4/10/2006	7/3/2006	10/5/2006	2/12/2007	4/4/2007	7/22/2007	10/1/2007
FIELD DATA mg/l:	(GPS)											
Temperature (C)	as of 5/26/05	13	19	8.8	9	12.3	17.9	13.8	8.4	12.5	15	15.1
pH (Std. Units)		6.8	6.8	7.06	7.38	7.5	7.39	7.35	7.68	7.67	7.7	7.5
Cond. (umho/cm)		620	600	550	650	540	774	766	750	746	773	762
TDS												
MAJOR IONS mg/l:												
Alk - CaCO3		107	109	110	108	115	104	109	112	111	110	116
Bicarbonate (HCO3)		131	133	134	131	140	126	132	137	135	140	141
Calcium (Ca)		128	132	125	126	123	119	122	120	122	121	111
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		15	13	12	13	15	19	14	14	14	14	17
Fluoride (F)		0.1	0.2	0.2	-0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1
Magnesium (Mg)		8.8	9.6	9.2	9.5	8.7	8.2	8.8	8.6	8	8.8	7.5
Nitrate - N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		3.5	3.2	3.1	3.1	3.1	3.2	3.2	3.4	3.5	3.3	3.6
Silica (SiO2)		14	15	15	14	15	16	14	14	16	13	15
Sodium (Na)		38.2	42.4	42.9	41.8	40.3	42.5	41.8	41.4	39.8	42.2	39.3
Sulfate (SO4)		316	306	294	302	287	298	279	285	274	297	265
NON-METALS:												
Cyanide (CN)		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:												
Cond. (umho/cm)		866	861	828	812	790	806	789	786	792	798	814
pH	GPS (6.8)	7.87	7.79	8.24	8.11	8.03	7.8	7.53	7.83	7.84	7.82	7.81
TDS @ 180 C.	GPS (500)	578	578	563	586	550	564	516	522	544	542	566
METALS-DISSOLVED mg/l:												
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
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
Barium (Ba)		-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
Boron (B)		-0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.1	-0.1	-0.1	-0.1	-0.1
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
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
Cobalt (Co)		0.004	0.004	0.004	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Copper (Cu)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	0.09	0.4	0.21	0.48	-0.05	0.09	0.06	-0.05	0.09	-0.05	-0.05
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.1	0.11	0.111	0.11	0.08	0.09	0.09	0.09	0.09	0.09	0.09
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
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
Silver (Ag)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:												
Uranium, natural	GPS (36)	4.5	4.3	4.1	5.6	4.1	3.4	3.7	3.9	3.7	3.8	3.6
Radium 226		2.1	2.2	2.3	2.5	1.6	1.5	1.7	1.9	2.3	3	1.6
Radium Precision +/-		0.6	0.6	0.5	0.6	0.5	0.4	0.5	0.7	0.5	0.5	0.4
Radium 228		5.7	4.4	4.2	3.7	3.9	2.3	2.8	4.5	4.9	4	4.7
Radium Precision +/-		1	0.9	1	1	0.9	0.8	1.1	0.9	0.8	1	0.9
Combined Ra226/228	GPS (5.8)	7.8	6.6	6.5	6.2	5.5	3.8	4.5	6.4	7.2	7	6.3
Thorium 230	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
Thorium Precision +/-												
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-												
Gross Alpha	GPS (15)	1.6	5.4	2.7	2.7	3.8	-1	2.4	2.2	2.6	2.7	3.9
Gross Alpha Precision +/-		1	1.9	1.1	1	1.1		0.7	0.6	0.7	0.5	0.9
QUALITY ASSURANCE DATA:												
TDS A/C Balance (dec. %)		0.98	0.99	0.99	1.02	0.98	0.99	0.94	0.94	1	0.96	1.07
(LAB: Energy Labs Inc. unless noted.)												





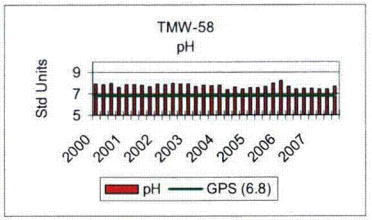


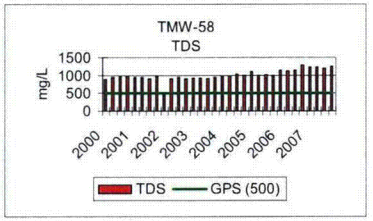


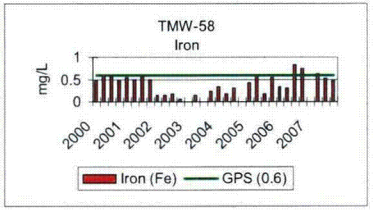


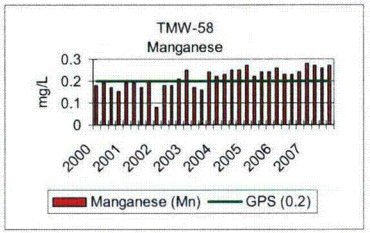
KENNECOT[illegible]UM COMPANY																						
TMW-58																						
NORTHING: 148,915.74	Groundwater	2000				2001				2002				2003				2004				2005
EASTING: 324,570.92	Protection																					
ND = Non-detectable	Standard	1/4/00	4/4/00	7/12/00	10/3/00	1/10/01	4/3/01	7/2/01	10/2/01	1/9/02	4/8/02	7/10/02	10/3/02	1/7/03	4/7/03	7/9/03	10/16/03	1/5/04	4/5/04	7/12/04	10/7/04	1/5/05
FIELD DATA mg/l:	(GPS)																					
Temperature (C)	as of 5/26/05	4	12	10	8	6	8	10	8	8	8	25	8	8	8	10	12	6	17	28	12	8
pH (Std. Units)		6.8	6.8	6.5	6.6	6.9	6.9	6.8	6.7	6.8	6.9	6.6	6.5	6.6	6.7	6.5	6.7	6.4	6.4	6.6	6.6	6.5
Cond. (umho/cm)		880	820	760	1140	1160	1600	1140	1060	740	980	1040	980	960	1020	840	860	1040	900	1800	800	1240
TDS																						
MAJOR IONS mg/l:																						
Alk. - CaCO3		165	170	172	169	168	164	169	171	107	160	162	155	152	153	170	148	156	163	158	154	167
Bicarbonate (HCO3)		201	206	209	206	205	199	206	209	130	195	198	188	185	187	207	181	190	199	193	188	204
Calcium (Ca)		176	228	199	198	197	205	188	210	109	212	203	192	197	189	191	206	242	229	228	224	235
Carbonate (CO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		22.1	33.5	25.3	19.06	31.5	23.7	29.2	23	12.4	26.3	20.4	18.4	21.3	24.8	20.2	24.3	51	28.8	29	28	28
Fluoride (F)		0.11	0.13	0.12	0.12	0.12	0.13	0.13	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Magnesium (Mg)		13.8	17.5	15.6	15.6	14.8	16.1	15.1	16	7.8	15.6	16.8	16.4	16.7	15.5	15.5	18.2	24	19.2	20	19.6	20.6
Nitrate - N (NO3)		-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	-0.1
Potassium (K)		4.2	4.6	4.2	4.81	5.1	4	4.4	3.6	3.1	4.1	4.2	3.7	4	4.6	4.5	4.2	5	5.3	4	4.2	4.3
Silica (SiO2)		13.2	15.8	14.3	12.4	12.8	14.9	14.3	14	12.9	14.6	14.3	16.6	12.9	12.7	12.2	13.9	16	14.2	15	15	15
Sodium (Na)		46.5	52.6	47.6	50.7	46	49.3	49.8	46	36.2	48.8	51.6	47.5	51.7	49.7	50.5	46.6	50	52.2	55	54.9	54.2
Sulfate (SO4)		437	489	415	405.6	469	472	417	450	246	488	486	462	479	459	449	521	573	530	550	523	554
NON-METALS:																						
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	-0.005
PHYSICAL PROPERTIES:																						
Cond. (umho/cm)		1230	1250	1270	1260	1250	1240	1230	1260	667	1180	1240	1230	1220	1190	1240	1280	1310	1320	1270	1310	1370
pH	GPS (6.8)	7.92	7.89	8	7.62	7.85	7.89	7.81	7.7	7.9	7.85	7.96	7.91	7.92	7.66	7.82	7.75	7.78	7.38	7.62	7.46	7.56
TDS @ 180 C.	GPS (500)	889	932	960	950	932	947	902	967	446	902	938	895	916	921	908	946	978	982	1030	992	1100
TRACE METALS mg/l:																						
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	-0.1
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	-0.002	-0.002	-0.002	-0.002	-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	-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	-0.01
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	-0.1
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	-0.005
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	-0.01
Cobalt (Co)		0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.0014	-0.001	0.002	0.003	0.003	0.003	0.002	0.004	0.004	0.006	0.005	0.006	0.006	0.008
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	-0.01
Iron (Fe)	GPS (0.6)	0.47	0.59	0.56	0.48	0.53	0.49	0.56	0.5	0.145	0.149	0.172	0.064	-0.05	0.151	-0.05	0.23	0.34	0.175	0.3	-0.05	0.42
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	-0.01
Manganese (Mn)	GPS (0.2)	0.18	0.19	0.17	0.1539	0.19	0.19	0.17	0.2	0.08	0.18	0.18	0.21	0.25	0.17	0.16	0.24	0.22	0.23	0.25	0.25	0.27
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	0.0007	-0.0004	-0.0004	-0.0004	-0.0004	-0.0002	-0.0002
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	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001	0.001	0.001	0.002	-0.001	-0.001	-0.001	0.002	0.003	0.006	0.004	0.002	0.007	-0.005	0.002	0.003	0.003	0.003	0.003
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
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	-0.01
Vanadium (V2O5)		-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	-0.1
Zinc (ZN)		0.02	0.02	0.05	0.01	0.02	0.09	0.04	0.058	-0.01	0.01	-0.01	0.04	0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	-0.01	0.01
RADIOMETRIC pCi/l:																						
Uranium, natural	GPS (36)	7.4	7	7.26	7.3	7.51	7.6	7	7.447	6.1607	10.0873	10.4258	13.8	15.4	10.2	9	17.8	15.4	14.9	15.7	14.4	16.5
Radium 226		3.6	3.4	5.1	3.9	3.9	4.4	3.2	4.6	2.6	3.1	4	2.9	4.7	3.4	2.3	3.5	3.2	3	4.5	3.2	2.6
Radium Precision +/-		0.3	0.3	0.4	0.2	0.3	0.4	0.3	0.5	0.2	0.3	0.4	0.3	0.5	0.4	0.3	0.3	0.5	0.6	0.7	0.6	0.6
Radium 228		7.5	8	7.6	9.5	9.5	8.9	11.4	13.9	10.6	5.8	8.7	9.6	-1	6.6	11	-1	4.8	6.4	7.5	5.9	7.8
Radium Precision +/-		0.6	0.7	0.6	0.9	1.5	1.3	1	1.3	1	1	1.3	1.3		1.7	2		1.3	1.5	1.5	1.2	1.1
Combined Ra226/228	GPS (5.8)	11.1	11.4	12.7	13.4	13.4	13.3	14.6	18.5	13.2	8.9	12.7	12.5	4.7	10	13.3	3.5	8	9.4	12	9.1	10.4
Thorium 230	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
Thorium Precision +/-																						
Lead (Pb210)	GPS (8.9)	-1	4.6	-1	-1	-1	-1		-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1
Lead Precision +/-			2																			
Gross Alpha	GPS (15)	3.5	5.5	4.7	5.3	5.6	4.8	3.9	6.4	4.2	6.6	2.9	4.2	4.4	8.3	4.2	5.9	5.3	5.6	4.5	2.8	5.4
Gross Alpha Precision +/-		1.1	0.8	1	1	1	1.3	1.1	1.3	1.2	1	1	1	1.1	1.9	1	1.5	1.3	1.4	1.4	1.1	1
QUALITY ASSURANCE DATA:																						
TDS A/C Balance (dec. %)		1.09	0.99	1.16	1.17	1.06	1.07	1.1	1.13	0.92	0.99	1.04	1.05	1.04	1.08	1.07	1.04	0.94	1.02	1.03	1.03	1.09
(LAB: Energy Labs Inc. unless noted.)																						

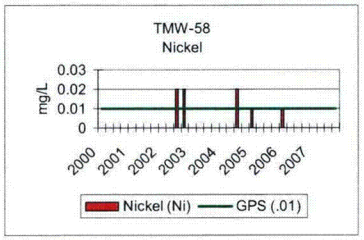
KENNECOT[illegible]UM COMPANY												
TMW-58												
NORTHING: 148,915.74	Groundwater				2006				2007			
EASTING: 324,570.92	Protection											
ND = Non-detectable	Standard	4/6/05	7/11/05	11/8/05	1/11/06	4/10/06	7/3/06	10/5/06	2/12/07	4/4/07	7/22/07	10/1/07
FIELD DATA mg/l:	(GPS)											
Temperature (C)	as of 5/26/05	13	23	9.7	8.5	13	23.5	16.2	7.7	14.7	21.7	18.9
pH (Std. Units)		6.8	6.5	7.04	6.99	7.26	7	6.99	7.28	7.26	7.1	7.1
Cond. (umho/cm)		820	820	840	1020	920	1384	1475	1498	1492	1512	1464
TDS												
MAJOR IONS mg/l:												
Alk. - CaCO3		161	161	165	180	189	192	201	194	198	200	202
Bicarbonate (HCO3)		197	196	201	220	230	234	246	237	242	240	246
Calcium (Ca)		227	220	230	238	246	253	277	290	268	281	255
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		33	35	32	31	40	36	38	44	39	40	41
Fluoride (F)		0.1	0.1	0.1	-0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Magnesium (Mg)		18.2	19.1	20	20.7	22	19.4	22.4	24	22.1	22.8	19.9
Nitrate - N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		4.4	3.9	4.4	4	4.7	4.4	4.5	5	4.5	4.7	5.2
Silica (SiO2)		14	14	15	14	17	16	16	15	15	14	16
Sodium (Na)		45.3	54.8	55.4	54.4	53.2	58.2	60.3	61.2	56.1	61	58.9
Sulfate (SO4)		561	503	554	549	613	587	615	685	614	673	608
NON-METALS:												
Cyanide (CN)		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:												
Cond. (umho/cm)		1360	1350	1360	1420	1420	1510	1530	1610	1610	1570	1680
pH	GPS (6.8)	7.57	7.66	8.01	8.23	7.67	7.45	7.53	7.51	7.46	7.44	7.67
TDS @ 180 C.	GPS (500)	993	1010	1000	1130	1120	1140	1280	1220	1220	1190	1250
TRACE METALS mg/l:												
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
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
Barium (Ba)		-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
Boron (B)		-0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.1	-0.1	-0.1	-0.1	-0.1
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
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
Cobalt (Co)		0.004	0.004	0.004	0.006	0.003	0.002	0.002	0.004	0.002	0.002	0.002
Copper (Cu)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	0.61	0.17	0.54	0.33	0.3	0.83	0.74	-0.05	0.62	0.52	0.46
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.22	0.24	0.24	0.26	0.23	0.23	0.24	0.28	0.27	0.26	0.27
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	-0.01	-0.1	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.001	0.001	0.001	0.001	-0.001	-0.001	0.001	0.003	-0.001	0.001	0.001
Silver (Ag)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Vanadium (V2O5)		-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	0.02	-0.01	-0.01	-0.01	0.02
RADIOMETRIC pCi/l:												
Uranium, natural	GPS (36)	13.2	15.1	13.1	16.2	11.8	11.6	12.4	18.1	14	13.7	13.3
Radium 226		2.2	6.5	5	3.8	3.2	3	4	4.4	4.3	3.8	0.9
Radium Precision +/-		0.6	1.2	0.7	0.7	0.6	0.5	0.7	0.9	0.7	0.7	0.3
Radium 228		9.1	12.8	7.5	11.2	6.1	8.5	8.7	8	8.6	7.4	10.3
Radium Precision +/-		1.1	1.7	1.1	1.1	1	0.9	1.2	1	0.9	1	1
Combined Ra226/228	GPS (5.8)	11.3	19.3	12.5	15	9.3	11.5	12.7	12.4	12.9	11.2	11.2
Thorium 230	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
Thorium Precision +/-												
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-												
Gross Alpha	GPS (15)	3.5	11.5	8	5	5.5	5.7	5.1	4.8	4.3	4.7	7.7
Gross Alpha Precision +/-		1.2	2.5	1.8	1.2	1.2	1.4	0.8	0.8	0.8	0.7	1.1
QUALITY ASSURANCE DATA:												
TDS A/C Balance (dec. %)		0.99	1.07	0.99	1.11	1.01	1.05	1.11	0.98	1.07	0.98	1.11
(LAB: Energy Labs Inc. unless noted.)												

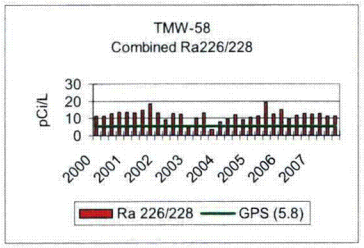








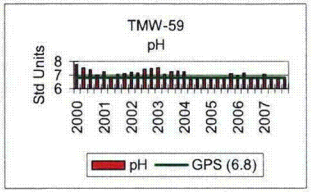


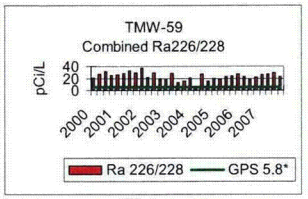


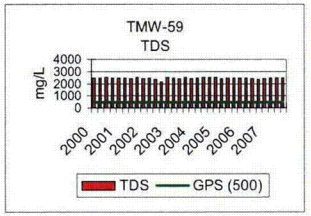
KENNECOTT URANIUM COMPANY																				
TMW-59																				
NORTHING: 148,403.85	Groundwater	2000				2001				2002				2003				2004		
EASTING: 325,013.86	Protection																			
ND = Non-detectable	Standard	01/04/00	04/04/00	07/12/00	10/03/00	01/10/01	04/03/01	07/02/01	10/02/01	01/08/02	04/08/02	07/10/02	10/03/02	01/07/03	04/07/03	07/09/03	10/16/03	01/05/04	04/06/04	07/12/04
FIELD DATA mg/l:	(GPS)																			
Temperature (C)	as of 5/26/05	8	8	8	8	6	8	10	8	8	8	12	8	8	8	8	8	6	11	14
pH (Std. Units)		6.4	6.5	6.3	6.3	6.5	6.5	6.5	6.6	6.6	6.6	6.5	6.4	6.5	6.5	6.3	6.3	6.4	6.1	6.8
Cond. (umho/cm)		1680	1600	1420	2200	2200	2200	2800	1980	2000	1820	1800	1680	1680	1700	1340	1300	1680	1360	1700
TDS																				
MAJOR IONS mg/l:																				
Alk. - CaCO3		282	277	277	277	273	284	263	269	261	259	250	247	249	243	236	244	275	310	244
Bicarbonate (HCO3)		343	337	339	339	333	346	320	328	318	316	304	301	304	296	288	298	336	378	297
Calcium (Ca)		589	501	476	448	554	618	447	510	530	528	458	527	556	515	534	541	594	564	513
Carbonate (CO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		76.1	94.4	85.6	68.6	98.6	85.9	95	93	106	94	81.8	85.5	65.4	84.6	74.9	96.1	132	96.1	91
Fluoride (F)		0.1	0.13	0.12	0.13	0.14	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Magnesium (Mg)		52.2	69.6	58.8	57.6	52.4	55.9	56.9	56	66.9	60.4	60.5	59.4	49.8	64.4	57.3	64.9	86	68.6	69
Nitrate - N (NO3)		-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
Potassium (K)		7	7.7	5	7.4	7.7	7.4	7.1	7	7.5	7	7	6.3	6.1	6.8	7.9	7.1	8.4	8.2	7
Silica (SiO2)		15.8	20.6	17.3	15	15.1	17.2	17.7	17	19.1	18	17.2	21.6	13.7	17.4	14.5	18.6	21	18.5	19
Sodium (Na)		79.9	95.5	79.1	86.4	75.4	78.2	80.7	72	86.4	86.2	88.4	86.7	76.2	93.1	86.9	85.2	88	95	99
Sulfate (SO4)		1450	1380	1170	1390	1170	1480	1150	1200	1430	1350	1240	1230	1380	1320	1310	1360	1510	1370	1400
NON-METALS:																				
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
PHYSICAL PROPERTIES:																				
Cond. (umho/cm)		2800	2820	2800	2850	2800	2820	2760	2820	2760	2720	2670	2960	2750	2860	2820	2850	2880	2810	2780
pH	GPS (6.8)	7.78	7.52	7.4	7	7.22	6.87	7.05	7.1	7.2	7.15	7.41	7.48	7.54	7.06	7.26	7.28	7.26	6.67	6.7
TDS @ 180 C.	GPS (500)	2440	2480	2500	2430	2450	2460	2380	2510	2400	2470	2360	2160	2490	2470	2380	2520	2400	2470	2520
TRACE METALS mg/l:																				
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
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
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
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
Boron (B)		0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.11	-0.1	0.11	0.13	0.1	-0.1	0.12	-0.1	0.1
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
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
Cobalt (Co)		0.016	0.015	0.016	0.016	0.015	0.015	0.011	0.014	0.014	0.014	0.016	0.014	0.015	0.012	0.13	0.13	0.13	0.13	-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
Iron (Fe)	GPS (0.6)	27.1	38.2	32.4	28.8	31	32.4	32.5	33	41.6	37.3	34.5	31.2	28	36.5	34.9	43.5	56	43.5	45.1
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
Manganese (Mn)	GPS (0.2)	3.44	3.77	2.88	2.52	3.3	3.07	2.46	3.4	3.2	3.11	3.04	3.65	3.83	2.98	3.5	3.45	3.41	3.45	3.7
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	0.0005	-0.0004	-0.0004	-0.0004	-0.0004
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
Nickel (Ni)	GPS (.01)	0.03	0.02	0.03	-0.01	0.03	0.03	0.02	0.022	0.04	0.03	0.05	0.03	0.02	-0.01	0.03	0.02	0.01	0.02	0.03
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001	0.004	0.003	0.003	-0.001	0.0026	-0.001	0.001	0.001	0.002	0.002	-0.001	0.007	-0.005	-0.005	-0.005	0.003
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
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
Vanadium (V2O5)		-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	0.03	0.06	0.03	0.018	0.02	0.02	-0.01	0.03	0.03	0.01	-0.01	-0.01	-0.01	-0.01	0.02
RADIOMETRIC pCi/l:																				
Uranium, natural	GPS (36)	5.5	5.8	5.53	5.2	5.15	5	5.1	4.3328	4.5359	5.0775	3.5881	4.8	5.7	5.1	3.3	4.9	4.9	4.9	5.1
Radium 226		4.4	4.6	9.4	5.7	5.4	7.3	5.5	9.1	4.3	5.4	7	3.9	7	6.1	4.8	4.3	5.6	3.6	7
Radium Precision +/-		0.3	0.3	1	0.5	0.4	0.4	0.4	0.6	0.3	0.4	0.9	0.3	0.6	0.5	0.4	0.4	0.7	0.6	0.9
Radium 228		15.8	22.9	22	18.8	20.8	20.4	26.4	20.2	32.8	16.6	22.3	15.6	10.5	21.5	8.6	10.3	15.1	-1	19.9
Radium Precision +/-		1.5	1.6	1.5	1.1	1.8	1.6	2.2	2.6	2.3	1.6	1.6	1.5	1	2.2	1.9	1.4	1.5		1.8
Combined Ra226/228	GPS (5.8)	20.2	27.5	31.4	24.5	26.2	27.7	31.9	29.3	37.1	22	29.3	19.5	17.5	27.6	13.4	14.7	20.7	3.6	26.9
Thorium 230	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
Thorium Precision +/-																				
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1
Lead Precision +/-																				
Gross Alpha	GPS (15)	6.1	7.7	7.7	9.6	8.3	6	5.7	11	9.7	8.8	8.4	9.3	7.2	21.4	7.7	7.6	10.7	11.2	10.7
Gross Alpha Precision +/-		1.4	0.9	1	1.3	1.2	1.4	1.3	1.7	1	1	1.1	1.1	1.3	2.9	1.3	1.7	1.8	1	1.1
QUALITY ASSURANCE DATA:																				
TDS A/C Balance (dec. %)		0.99	1.04	1.19	1.07	1.13	0.96	1.16	1.18	0.98	1.05	1.1	0.98	1.07	1.07	1.04	1.09	0.93	1.03	1.08
(LAB: Energy Labs Inc. unless noted.)																				

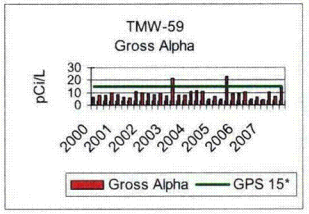
KENNECOTT URANIUM COMPANY														
TMW-59														
NORTHING: 148,403.85 EASTING: 325,013.86	Groundwater Protection		2005				2006				2007			
ND = Non-detectable	Standard	10/07/04	01/05/05	04/06/05	07/11/05	11/07/05	01/11/06	04/10/06	07/03/06	10/05/06	01/25/07	04/11/07	07/22/07	10/01/07
FIELD DATA mg/l:	(GPS)													
Temperature (C)	as of 5/26/05	13	9	11	15	9.9	8.7	10.3	14.2	12.5	7.3	8.4	13.5	12
pH (Std. Units)		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
Cond. (umho/cm)		1260	240	1660	1340	1530	1720	1450	307	290	296	300	300	291
TDS														
MAJOR IONS mg/l:														
Alk. - CaCO3		251	244	246	257	305	262	305	246	231	318	302	280	256
Bicarbonate (HCO3)		306	298	300	313	372	320	372	300	281	388	368	350	312
Calcium (Ca)		538	530	491	518	465	489	548	480	521	532	531	497	481
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		94	95	91	88	82	80	96	78	82	88	90	87	87
Fluoride (F)		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
Magnesium (Mg)		71.1	69.1	63.9	69.5	66.5	63.3	71	64.1	70.2	68.4	67.9	67.3	64
Nitrate - N (NO3)		-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
Potassium (K)		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
Silica (SiO2)		20	19	17	19	19	16	20	18	18	18	18	17	18
Sodium (Na)		99.6	94.9	87.7	97.7	92	90.4	91.6	93	101	94.4	91.4	95.9	94.5
Sulfate (SO4)		1460	1350	1340	1360	1260	1200	1380	1300	1350	1340	1340	1320	1290
NON-METALS:														
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
PHYSICAL PROPERTIES:														
Cond. (umho/cm)		3240	2740	2790	2780	2850	2750	2800	2820	2810	2780	2840	2830	2980
pH	GPS (6.8)	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
TDS @ 180 C.	GPS (500)	2490	2520	2390	2470	2450	2430	2430	2410	2350	2420	2470	2470	2450
TRACE METALS mg/l:														
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
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
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
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
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
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
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
Cobalt (Co)		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
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
Iron (Fe)	GPS (0.6)	38	45.6	47.2	45.9	45.6	42.4	48.4	51.2	47.8	45.8	46.6	46	52.2
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
Manganese (Mn)	GPS (0.2)	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
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
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
Nickel (Ni)	GPS (.01)	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
Selenium (Se)	GPS (.01)	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
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
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
Vanadium (V2O5)		-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	0.02
RADIOMETRIC pCi/l:														
Uranium, natural	GPS (36)	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
Radium 226		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
Radium Precision +/-		0.6	0.7	0.7	1.1	0.9	0.9	0.7	0.8	0.8	0.9	0.8	0.8	0.6
Radium 228		12	15.8	14.6	13.9	16.4	21.1	18.5	14.7	16.7	16.9	21.9	21	18.5
Radium Precision +/-		1.4	1.3	1.3	1.1	1.4	1.3	1.2	1.6	1.4	1.2	1.4	1.4	1.1
Combined Ra226/228	GPS (5.8)	14.9	19.2	18.3	22.5	23.6	26.8	23	18.4	21.9	26	27.2	29.2	22.6
Thorium 230	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
Thorium Precision +/-														
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	8.7	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-							3.3							
Gross Alpha	GPS (15)	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
Gross Alpha Precision +/-		1.3	1.7	1.3	3.4	1.9	1.5	1.7	1.3	0.9	0.8	1.4	0.8	1.4
QUALITY ASSURANCE DATA:														
TDS A/C Balance (dec. %)		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
(LAB: Energy Labs Inc. unless noted.)														

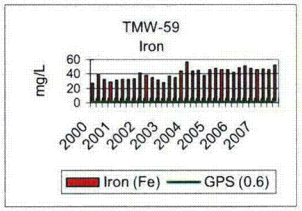
KENNECOTT URANIUM COMPANY	
TMW-59	
NORTHING: 148,403.85	Groundwater
EASTING: 325,013.86	Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk. - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

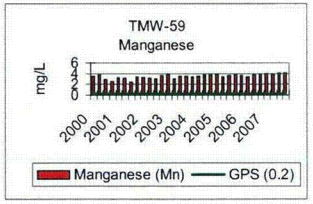


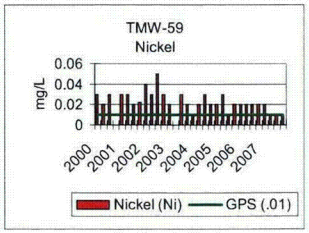




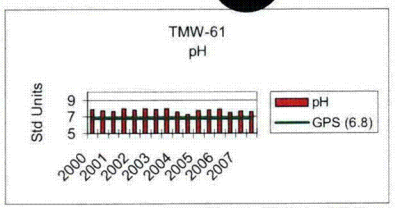


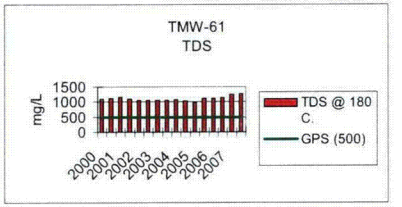


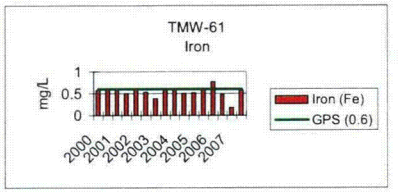


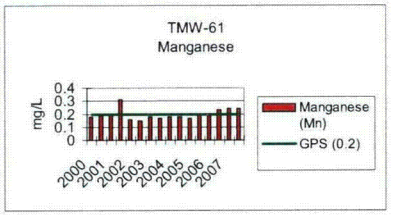


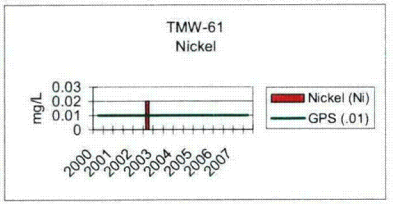
KENNECOTT URANIUM COMPANY																	
TMW-61																	
NORTHING: 148,422.32	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 324,592.68	Protection																
ND = Non-detectable	Standard	3/9/00	9/7/00	3/22/01	9/4/01	3/12/02	9/5/02	3/10/03	9/17/03	3/9/04	9/15/04	3/2/05	12/16/05	3/2/06	9/11/06	2/27/07	9/12/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	12	13	9.1	9.5	12.4	9.5	11.2
pH (Std. Units)		6.9	6.9	7.1	7.1	6.9	6.8	6.7	6.8	7.4	6.9	6.7	7..24	7.35	7.04	7.61	7.2
Cond. (umho/cm)		940	132	840	1100	1040	980	1040	880	880	780	840	890	990	1440	1471	1469
TDS																	
MAJOR IONS mg/l:																	
Alk - CaCO3		225	213	211	204	201	189	191	180	174	177	171	192	220	210	208	230
Bicarbonate (HCO3)		273	260	257	249	245	230	233	219	213	216	208	235	268	256	254	281
Calcium (Ca)		231	251	268	242	277	231	205	239	239	242	241	265	267	267	299	309
Carbonate (CO3)		-0.1	-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		28.8	27.9	24	26.2	32.9	26.8	19.8	129	32.2	21	24	25	25	22	30	31
Fluoride (F)		-0.1	-0.1	0.11	-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
Magnesium (Mg)		14.3	15.2	16.6	15.3	15.9	14	12	14.4	16.6	14.4	14.6	17.9	16.8	16.4	18.6	19.6
Nitrate - N (NO3)		-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
Potassium (K)		5.3	5	4.7	4.5	5	4.5	4.9	193	4.8	4.4	5.1	4.7	4.5	4.4	5.6	5
Silica (SiO2)		16.6	18.1	17.6	17.6	19.7	17.6	15	18	20	18	19	21	20	19	19	19
Sodium (Na)		52.3	51.8	58.8	51.7	55.7	53.3	48.8	54.6	53.2	55.7	55.9	57.8	60.4	58.4	64.8	64.4
Sulfate (SO4)		518	516	581	525	569	517	474	630	550	533	533	615	579	621	709	724
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond. (umho/cm)		1470	1450	1470	1400	1370	1310	1360	1370	1340	1260	1350	1450	1450	1610	1600	1700
pH	GPS (6.8)	7.92	7.73	7.68	8	7.8	7.94	7.9	7.96	7.59	7.29	7.71	7.81	7.9	7.52	7.64	7.54
TDS @ 180 C.	GPS (500)	1100	1110	1150	1100	1060	1060	1040	1060	1070	1030	995	1120	1120	1130	1250	1260
METALS-DISSOLVED mg/l:																	
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
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
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
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
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
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
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
Cobalt (Co)		-0.001	-0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	0.58	0.6	0.58	0.5	0.593	0.526	0.377	0.569	0.589	0.5	0.52	0.62	0.76	0.47	0.18	0.57
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
Manganese (Mn)	GPS (0.2)	0.18	0.19	0.2	0.31	0.16	0.15	0.18	0.17	0.18	0.18	0.17	0.2	0.2	0.23	0.24	0.24
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	0.002	0.001	-0.001	0.01	-0.001	0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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	-0.01	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
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	2	2.5	2.2	2.4372	15.6	2.1	2.3	2.1	2.4	2.1	1.8	2.4	3	3.4	3.4	3.9
Radium 226		4.7	5.9	4.4	5.6	5.3	5.2	4.6	3.8	4.1	3	4.5	3.6	5.3	1.4	6.1	3.8
Radium Precision +/-		0.4	0.4	0.4	0.4	0.3	0.4	0.6	0.4	0.7	0.8	0.8	0.8	1.5	0.4	0.8	0.6
Radium 228		9.4	13.2	13	12.2	11	6.1	13	-1	5	4.3	6.8	6.6	1.1	5.3	2.8	5.8
Radium Precision +/-		0.6	1	1.5	1.5	1	1	1.2		1.3	1.7	1	1.2	0.9	0.9	0.9	0.9
Comb. Ra226/228	GPS (5.8)	14.1	19.1	17.4	17.8	16.3	11.3	17.6	3.8	9.1	7.3	11.3	10.2	6.4	6.7	8.9	9.6
Thorium 230	GPS (7.0)	5.9	-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
Thorium Precision +/-		1.8															
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	13.5	5	5.8	4.3	4.9	7.2	7.9	8.3	6	5.7	10.5	5.1	5.7	3.9	4.3	6.9
Gross Alpha Precision +/-		1.3	1.1	1.5	1.2	1.4	1	1.3	1.6	1.2	1.4	1.3	1.6	1.5	0.7	0.7	1
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.09	1.09	1.04	1.09	0.96	1.07	1.15	0.76	1.07	1.04	1	1	1.02	1	0.98	0.96
(LAB: Energy Labs Inc. unless noted.)																	

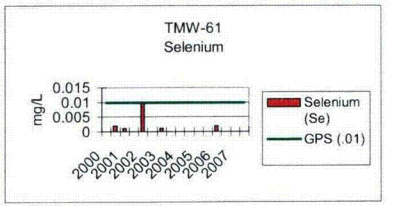


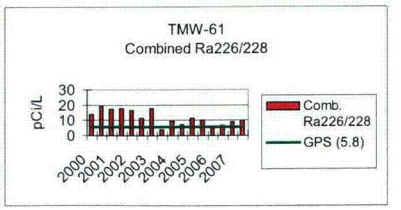






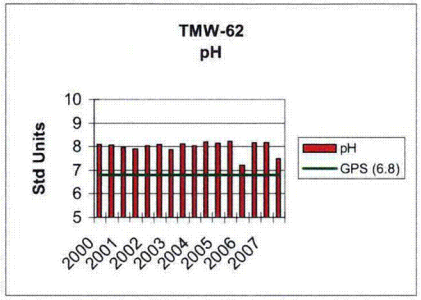


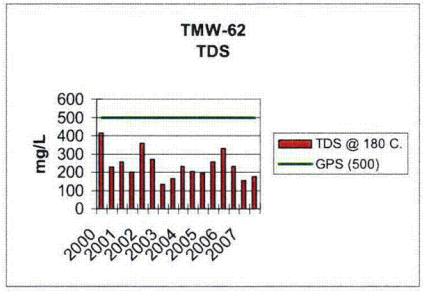


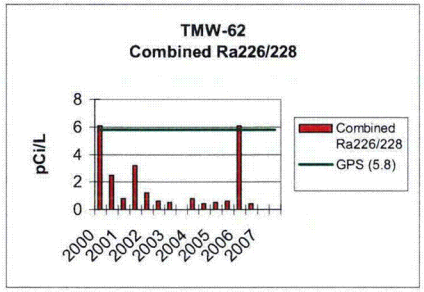


KENNECOT[illegible]UM COMPANY																	
TMW-62																	
NORTHING: 148,789.00	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 324,277.11	Protection																
ND = Non-detectable	Standard	05/08/00	11/07/00	05/07/01	11/12/01	05/07/02	11/11/02	05/13/03	11/11/03	5/4/2004	11/1/2004	5/2/2005	12/13/2005	4/4/2006	8/8/2006	2/21/2007	11/19/2007
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	11	12	10	8.1	10	15.8	10	10.1
pH (Std. Units)		7.3	7.2	7.4	7.4	6.9	6.5	7.1	6.8	7.7	7.9	7.2	7.71	7.2	7.51	7.28	7.7
Cond. (umho/cm)		440	380	360	300	480	400	300	280	320	200	240	260	240	356	235	265
TDS																	
MAJOR IONS mg/l:																	
Alk - CaCO3		99	94	93	89	102	97	91	89	92.3	87	96	90	96	88	86	89
Bicarbonate (HCO3)		120	114	112	108	124	118	111	108	113	106	117	110	117	107	105	108
Calcium (Ca)		87.5	41.8	39.8	32.6	70.2	48	33.2	27.4	39.1	28.1	33.1	41	59.5	31.5	22.9	26.9
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		6.8	4.6	4.9	9	3.8	-1	-1	-1	3.8	3	2	1	3	4	2	3
Fluoride (F)		0.23	0.24	0.21	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.3
Magnesium (Mg)		8.1	3.4	3.1	2.6	6.2	4.2	2.7	2.4	3.5	2.5	2.8	4.1	6	2.9	2	2.6
Nitrate - N (NO3)		-0.1	-0.1	0.51	-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
Potassium (K)		2.8	2	1.9	1.6	2.7	1.7	2.4	1.3	1.8	2	1.7	1.6	1.6	1.8	1	1.6
Silica (SiO2)		10.8	10.9	10.9	11	10.5	10.2	8.9	10.2	10.5	12	11	12	12	10	13	11
Sodium (Na)		38.2	34.6	35.9	32.2	36.6	38	31.8	36.4	34.3	34.6	33.7	31.4	38.2	33.3	37.1	36
Sulfate (SO4)		204	83.6	84.5	60	169	106	70.4	55.6	87	59	67	88	141	71	52	61
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond. (umho/cm)		644	378	386	308	551	423	332	319	337	300	334	366	487	374	275	311
pH	GPS (6.8)	8.09	8.06	7.95	7.9	8.03	8.08	7.87	8.12	8.03	8.19	8.13	8.23	7.22	8.17	8.16	7.49
TDS @ 180 C.	GPS (500)	415	227	257	199	359	270	134	166	231	204	194	256	330	232	154	174
TRACE METALS mg/l:																	
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.06	0.04	0.04	0.03	0.05	0.04	0.03	0.02	0.03	0.03	0.02	0.03	0.04	0.01	0.01	0.02
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
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
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
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
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
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
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	7	7.1	4.1	3.7235	6.9731	5.6	3.9	5.6	6.4	4	4.4	4.1	5	3.7	2.7	4.8
Radium 226		1.2	-0.2	0.8	-0.2	1.2	0.6	0.5	-0.2	0.8	0.4	0.5	0.6	0.5	0.4	-0.2	-0.2
Radium Precision +/-		0.3		0.2		0.3	0.2	0.3		0.4	0.3	0.4	0.3	0.4	0.3		
Radium 228		4.9	2.5	-1	3.2	-1	-1	-1	-1	-1	-1	-1	-1	5.6	-1	-1	-0.2
Radium Precision +/-		0.3	1		1									1.2			
Combined Ra226/228	GPS (5.8)	6.1	2.5	0.8	3.2	1.2	0.6	0.5	0	0.8	0.4	0.5	0.6	6.1	0.4	0	0
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.5	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-								0.5									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	2.4
Lead Precision +/-																	1.4
Gross Alpha	GPS (15)	2.6	-1	-1	-1	2.4	-1	-1	-1	-1	-1	-1	1.9	1.5	-1	-1	-1
Gross Alpha Precision +/-		1.1				1.2							0.8	0.9			
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		0.99	0.95	1.07	1.03	0.99	1	0.64	0.94	0.98	1.06	0.92	1.1	1.05	1.12	0.85	0.89
(LAB: Energy Labs Inc. unless noted.)																	

KENNECOT[illegible]UM COMPANY	
TMW-62	
NORTHING: 148,789.00 EASTING: 324,277.11	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

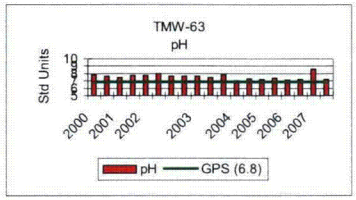


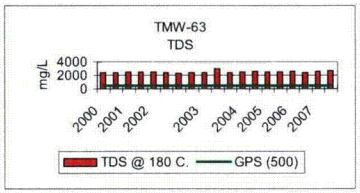


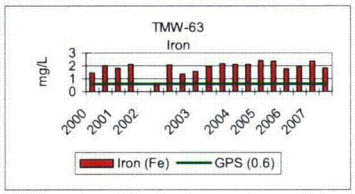


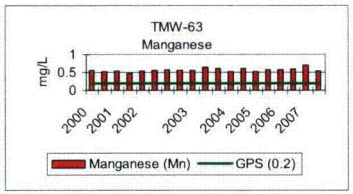
KENNECOTT UP	COMPANY																			
TMW-63																				
NORTHING: 148,924.39 EASTING: 325,009.90	Groundwater Protection	2000		2001		2002				2003			2004		2005		2006		2007	
ND = Non-detectable	Standard	05/08/00	11/07/00	05/07/01	11/12/01	05/07/02	07/25/02	10/15/02	11/11/02	03/10/03	05/13/03	11/12/03	05/04/04	11/01/04	05/02/05	12/19/05	05/04/06	11/19/06	05/23/07	11/26/07
FIELD DATA mg/l:	(GPS)																			
Temperature (C)	as of 5/26/05	8	8	10	8	8	8	8	8	8	8	8	15	12	12	11.2	11.9	11.4	9.9	11.9
pH (Std. Units)		6.8	6.6	6.7	6.8	6.7	6.3	6.6	6.6	6.6	6.6	6.5	6.3	6.5	6.2	6.74	6.7	6.54	6.82	6.7
Cond. (umho/cm)		1420	2200	2200	2000	1660	1720	1460	1560	1480	1700	1600	1460	1080	1680	1450	300	305	313	295
TDS																				
MAJOR IONS mg/l:																				
Alk - CaCO3		452	483	501	486	470	470	480	475	477	609	447	468	466	470	452	481	478	440	525
Bicarbonate (HCO3)		551	589	611	593	573	573	586	579	582	743	545	572	568	574	552	587	584	537	640
Calcium (Ca)		534	571	632	631	584	623	626	615	624	591	584	605	629	625	591	625	619	619	576
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		72.2	87.2	85.9	89	81.3	70.9	86.3	59.5	67.1	101	69	77.2	82	85	86	86	81	87	103
Fluoride (F)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	1.2	-0.1
Magnesium (Mg)		33.4	42.4	38.5	41.3	35.6	37.5	39.2	34	29.6	38.8	41.3	41.3	45.7	43.2	46.3	45	42.1	44.8	39.5
Nitrate - N (NO3)		-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
Potassium (K)		7	7.2	6.9	6.7	8.1	6.6	7.2	7	6.7	7.5	6.6	6.8	7.5	7	7	6.8	6.9	7.3	7.9
Silica (SiO2)		18.8	22	21	23	19.4	19	21.2	17.8	16.7	17.6	21.1	21	24	23	24	24	21	23	22
Sodium (Na)		82.1	94.5	86	90.8	79.8	85.9	87.4	81.8	70.2	89.5	92.7	88.5	93.1	89.7	91.6	93.4	89.5	93.5	93
Sulfate (SO4)		973	1190	1170	1250	1060	1140	1150	1020	1170	1220	1150	1160	1250	1220	1230	1320	1220	1230	1180
NON-METALS:																				
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
PHYSICAL PROPERTIES:																				
Cond. (umho/cm)		2700	2830	2870	2800	2740	2650	2870	2780	2730	3580	2800	2820	2970	2850	2890	2890	2960	3010	3110
pH	GPS (6.8)	7.81	7.62	7.45	7.7	7.69	7.96	7.6	7.64	7.66	7.43	7.85	7.02	7.27	7.19	7.34	7.1	7.17	8.64	7.18
TDS @ 180 C.	GPS (500)	2370	2390	2520	2460	2430	2370	2240	2410	2400	2950	2390	2510	2540	2480	2510	2530	2390	2610	2650
TRACE METALS mg/l:																				
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
Arsenic (As)	GPS (.05)	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	0.002	-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
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
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	0.2	-0.1	-0.1
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
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
Cobalt (Co)		0.002	-0.001	0.003	0.003	0.001	-0.001	0.002	-0.001	0.001	0.002	0.001	0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	1.43	2.02	1.79	2.1	-0.05	0.654	2.07	1.34	1.54	1.96	2.13	2.08	2.12	2.38	2.34	1.77	1.9	2.36	1.81
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
Manganese (Mn)	GPS (0.2)	0.56	0.52	0.54	0.46	0.53	0.56	0.57	0.56	0.56	0.65	0.6	0.51	0.6	0.52	0.58	0.58	0.59	0.7	0.54
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	0.034	0.02	0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	0.003	0.001	-0.001	0.002	0.002	0.004	0.002	0.002	0.001	-0.001	0.001	0.003	-0.001	-0.001	-0.001	0.003	0.003	0.001
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
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
Vanadium (V2O5)		-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)		0.02	0.01	0.02	0.03	-0.01	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.01	0.01	-0.01	-0.01	0.02	0.01	0.01
RADIOMETRIC pCi/l:																				
Uranium, natural	GPS (36)	3.7	4.13	3.8	4.2651	2.7757	4.94	5	2.9	2.1	4	2.6	4.7	2.9	3	1.4	1.4	1.5	2.4	1.8
Radium 226		3	6.1	6.1	2.9	4.9	3	7.9	3.9	4	6.9	4.9	4.9	5	4	4.2	4.6	5.8	5.3	3.4
Radium Precision +/-		0.3	0.4	0.5	0.3	0.4	0.3	0.9	0.4	0.3	0.4	0.4	0.8	0.8	0.8	0.7	1	1.1	0.7	0.7
Radium 228		9.9	10.1	3.6	12.1	12.5	12.7	16.1	5.6	-1	15.4	3.9	8.5	9.8	8	11.9	12.6	9.7	13	11.4
Radium Precision +/-		0.3	1.2	1.1	1.1	1	1.2	1.3	1		1.5	1.2	1.7	1.6	1.3	1.4	1.5	1.1	1.1	1.3
Combined Ra226/228	GPS (5.8)	12.9	16.2	9.7	15	17.4	15.7	24	9.5	4	22.3	6.1	13.4	14.8	12	16.1	17.2	15.5	18.3	14.8
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	0.8	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.6
Thorium Precision +/-							0.5				0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	4
Lead Precision +/-																				1.3
Gross Alpha	GPS (15)	6.2	16.9	5	4.2	18.5	5	9.4	6	11	8.2	5.4	6.4	3.6	11.1	6.2	4.5	5.1	17	5.2
Gross Alpha Precision +/-		1.5	1.6	1.3	1.4	2.3	1	1.2	2.2	1.6	1.5	1.2	1.5	1.3	1.1	1.3	1.1	0.9	1.7	0.7
QUALITY ASSURANCE DATA:																				
TDS A/C Balance (dec. %)		1.19	1.03	1.07	1.02	1.12	1.04	0.97	1.04	1.05	1.2	1.08	1.1	1.05	1.05	1.07	1.02	1.01	1.1	1.13
(LAB: Energy Labs Inc. unless noted.)																				

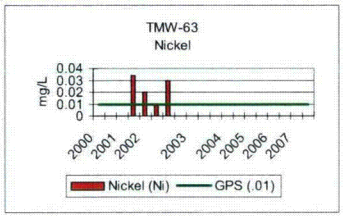
KENNECOTT UR	COMPANY
TMW-63	
NORTHING: 148,924.39 EASTING: 325,009.90	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

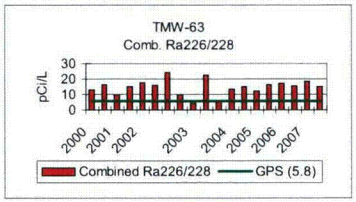


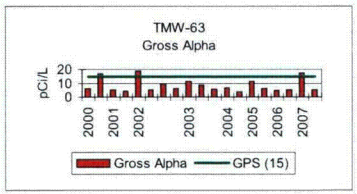






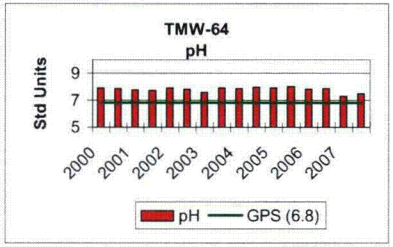


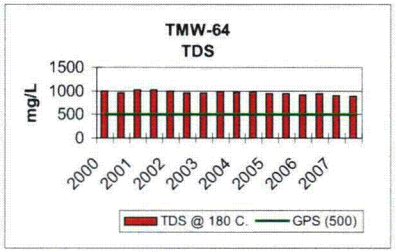


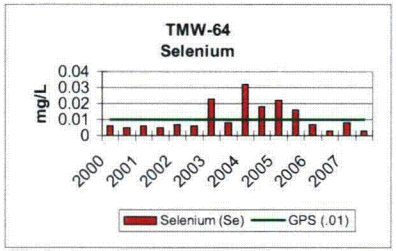


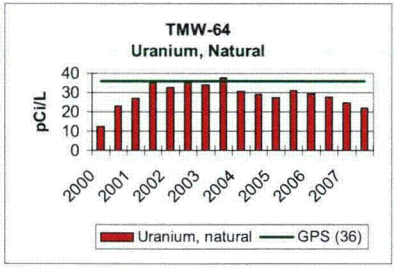
KENNECO[illegible]IUM COMPANY																	
TMW-64																	
NORTHING: 149,797.71	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 324,991.71	Protection																
ND = Non-detectable	Standard	05/08/00	11/07/00	05/07/01	11/12/01	05/07/02	11/11/02	05/13/03	11/11/03	05/04/04	11/01/04	05/02/05	12/13/05	05/02/06	11/28/06	06/03/07	11/19/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	13	12	10	6.6	11.6	8.1	10.8	9.8
pH (Std. Units)		7.4	6.8	6.9	7.2	7.2	7.2	7.2	6.7	7.8	7.3	7.2	7.46	7.51	7.42	7.25	7.4
Cond. (uMho/cm)		780	720	1080	1020	900	900	920	860	800	680	860	780	1176	1.14	1080	1079
TDS																	
MAJOR IONS mg/l:																	
Alk - CaCO3		65	64	64	65	65	65	63	66	63	66	65	68	65	85	0.68	68
Bicarbonate (HCO3)		79	77	77	79	79.3	78.7	76.9	79.9	76.9	80	79	82	79	104	83	83
Calcium (Ca)		199	217	209	225	197	179	200	210	201	208	211	207	190	196	200	196
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		33.1	35.9	34.4	45	32.8	26.1	33.2	32.1	32.5	33	35	33	29	30	33	33
Fluoride (F)		0.19	0.18	0.16	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.1	0.2	0.2	0.2	0.2	0.1
Magnesium (Mg)		17.5	19.3	18	19.2	17	15.2	16.6	18.3	17.8	18.8	18.2	19	17.9	17.8	18.1	17.8
Nitrate-N (NO3)		-0.1	-0.1	0.42	-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
Potassium (K)		4.7	4.9	4.3	4.4	5.3	4.8	4.9	4.2	4.4	4.8	4.4	4.2	4	4.3	4.3	4.3
Silica (SiO2)		8.2	9	9	9	7.9	7	7.3	8.1	8.2	9	9	9	9	9	8	8
Sodium (Na)		53	54.5	53.6	53.9	49.3	51.1	52	55.7	53.7	53.8	53.6	53.4	52	54.5	54.9	54.6
Sulfate (SO4)		527	589	532	612	555	488	560	576	562	562	563	568	523	538	557	559
NON- METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (uMho/cm)		1270	1280	1270	1270	1270	1270	1280	1310	1250	1240	1280	1230	1200	1240	1340	1260
pH	GPS (6.8)	7.91	7.84	7.76	7.7	7.91	7.82	7.56	7.89	7.87	7.97	7.9	8.01	7.82	7.84	7.28	7.5
TDS @ 180 C.	GPS (500)	989	953	1020	1020	996	958	953	978	968	980	940	944	914	938	904	893
TRACE METALS mg/l:																	
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
Arsenic (As)	GPS (.05)	-0.001	-0.001	0.001	0.001	0.001	0.001	0.001	0.002	-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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.05	0.04	0.02	0.02	0.04	0.04	0.01	0.04	-0.01	0.03	0.03	0.04	0.04	0.04	0.04	0.03
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
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
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
Selenium (Se)	GPS (.01)	0.006	0.005	0.006	0.005	0.007	0.006	0.023	0.008	0.032	0.018	0.022	0.016	0.007	0.003	0.008	0.003
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
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
Vanadium (V2O5)		-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)		0.02	-0.01	-0.01	0.02	0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	12.2	23	26.9	35.1363	32.6314	34.9	34.1	37.7	30.7	29.1	27.2	31.1	29.5	27.7	24.7	22
Radium 226		1.9	3.1	3.6	2	2.9	3.4	1.8	4.5	2.3	2.3	1.9	2.2	2.7	2.5	3.2	2.5
Radium Precision +/-		0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.6	0.6	0.6	0.6	0.6	1.2	0.6	0.5
Radium 228		10.8	5.2	-1	6.4	6.4	3.4	8.2	3.4	3.2	3.7	4.7	2	3.9	3.4	6.3	4.6
Radium Precision +/-		1.2	8.3		1	1	1	1.3	1.2	1.5	1.4	1.2	1.2	1.1	2.1	1.1	1.1
Combined Ra226/228	GPS (5.8)	12.7	12.7	3.6	8.4	9.3	6.8	10	7.9	5.5	6	6.6	4.2	6.6	5.9	9.5	7.1
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	0.4	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-						0.3		0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	2.1
Lead Precision +/-																	1.4
Gross Alpha	GPS (15)	4.7	7.6	2	3	8.4	2.7	2.7	3.5	2.5	2.5	4.4	2.6	3.9	3.5	4.3	1.8
Gross Alpha Precision +/-		1.3	1.2	1.2	1.3	1.6	2.2	1	1.1	1	1.2	1.4	0.9	1.7	0.9	0.7	0.6
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.12	0.98	1.13	1.01	1.1	1.18	1.04	1.04	1.05	1.06	1.01	1.02	1.06	1.04	0.99	0.98
(LAB: Energy Labs Inc. unless noted.)																	

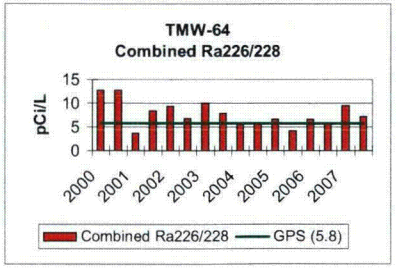
KENNECO[illegible]IUM COMPANY	
TMW-64	
NORTHING: 149,797.71 EASTING: 324,991.71	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (uMho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON- METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (uMho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	





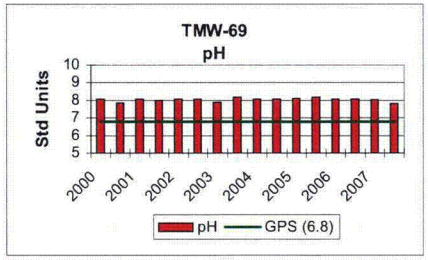


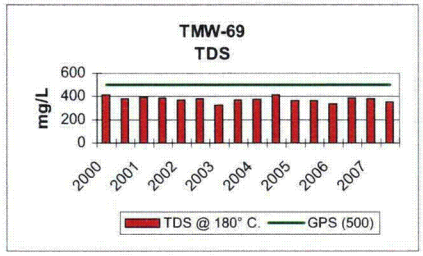


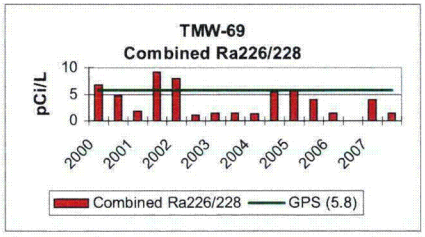


KENNEC ANIUM COMPANY																	
TMW-69																	
NORTHING: 149,649.27 EASTING: 324,659.43	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	5/8/00	11/9/00	5/10/01	11/12/01	5/7/02	11/11/02	5/13/03	11/11/03	5/4/04	11/1/04	5/2/05	12/20/05	5/2/06	11/28/06	5/1/07	11/26/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	14	11	10	8.7	12.4	8.1	11	11.1
pH (Std. Units)		7.6	7.2	7.6	7.5	7.1	6.8	6.8	6.7	7.4	7.3	7.2	7.63	7.74	7.55	7.1	7.3
Cond. (umho/cm)		400	580	520	540	520	500	540	500	480	280	440	410	522	513	512	494
TDS																	
MAJOR IONS mg/l:																	
Alk - CaCO3		94	96	96	98	101	97	97	103	100	101	101	100	103	100	100	113
Bicarbonate (HCO3)		114	117	116	120	123	118	118	126	122	123	123	122	125	122	130	137
Calcium (Ca)		85.4	77.8	78.8	84.4	76.3	75.5	78.4	77.9	77.7	80.7	79.3	75.8	75.6	76.1	75.3	70
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		13.2	10.9	9.4	14	5	5.5	7.8	7.2	9.8	6	12	8	7	6	7	8
Fluoride (F)		0.16	0.18	0.17	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
Magnesium (Mg)		5.6	5.3	5.1	5.34	4.9	4.9	4.9	5	5.1	5.3	5	4.9	5.1	4.8	5.2	4
Nitrate - N (NO3)		-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
Potassium (K)		3.5	2.8	2.7	2.8	3.2	3	3.4	2.6	2.9	3.1	2.8	2.7	2.8	2.8	2.9	3.1
Silica (SiO2)		12.3	12.6	12.9	14	12.9	11.8	11.9	13.4	13	14	14	14	14	14	14	14
Sodium (Na)		36.7	35.4	34.4	35.2	33.5	36.9	34.8	35.5	35	35.2	34.4	35.2	33.4	35.2	34.8	33.3
Sulfate (SO4)		188	173	172	185	176	162	177	170	177	173	170	162	161	162	173	149
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond. (umho/cm)		629	585	590	573	564	570	565	579	575	571	575	558	539	559	573	569
pH	GPS (6.8)	8.07	7.83	8.07	8	8.08	8.05	7.88	8.16	8.05	8.07	8.12	8.19	8.06	8.05	8.02	7.81
TDS @ 180° C.	GPS (500)	413	382	391	388	369	382	324	369	374	412	363	363	336	388	378	353
METALS-DISSOLVED mg/l:																	
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	0.056	-0.05	-0.05	-0.05	-0.05	-0.05	0.1	-0.05	-0.05	-0.05	-0.05	-0.05
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
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	0.03	0.04	0.04	0.04	0.04	0.04
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
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
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
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
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
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
Vanadium (V2O5)		-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)		0.02	0.02	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	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	4.1	7.13	4.9	3.6558	3.8589	4.9	4.1	4.5	4.4	4.1	4.8	4.1	4.2	3.8	4.2	4.1
Radium 226		2.1	1.6	1.8	0.8	2	1.1	1.5	1.5	1.3	1.7	2.7	2.2	1.5	-0.2	2.5	1.4
Radium Precision +/-		0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.4	0.5	0.7	0.7	0.6	0.5		0.6	0.5
Radium 228		4.6	3.1	-1	8.3	5.9	-1	-1	-1	-1	3.7	3	1.8	-1	-1	1.5	-1
Radium Precision +/-		0.3	0.3		1	1					2.3	1.2	1.1			0.8	
Combined Ra226/228	GPS (5.8)	6.7	4.7	1.8	9.1	7.9	1.1	1.5	1.5	1.3	5.4	5.7	4	1.5	0	4	1.4
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-								0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	3.8	1.7	-1	1.7	4.1	-1	1.9	1.5	1.6	1.2	2.3	1.5	2.4	-1	3.1	1.9
Gross Alpha Precision +/-		1.2	0.9		1.2	1.3		1	1	1	1	1.2	0.8	1.5		0.6	0.5
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.03	1.01	1.04	1	0.98	1.06	0.85	1.02	0.98	1.09	0.96	1	0.93	1.07	1.01	1.01
(LAB: Energy Labs Inc. unless noted.)																	

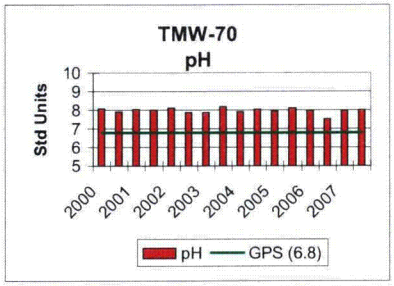
KENNEC ANIUM COMPANY	
TMW-69	
NORTHING: 149,649.27 EASTING: 324,659.43	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk - CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate - N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond. (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

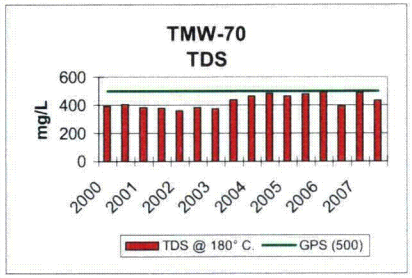


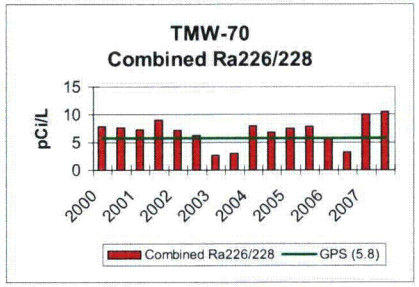




KENNECOTT[redacted]M COMPANY																	
TMW-70																	
NORTHING: 149,309.09	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 324,369.82	Protection																
ND=Non-detectable	Standard	5/8/00	11/9/00	5/10/01	11/13/01	5/6/02	11/13/02	5/12/03	11/11/03	5/4/04	11/2/04	5/3/05	12/19/05	5/4/06	11/28/06	5/1/07	11/7/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	13	11	12	8.6	10.4	7	11.9	11.8
pH (Std. Units)		7.7	7.1	7.5	7.3	7.3	6.6	7.2	6.8	7.4	7.2	7.3	7.64	7.33	7.18	7.35	7.7
Cond (umho/cm)		380	560	540	500	500	500	580	580	540	380	520	500	700	530	664	603
TDS																	
MAJOR IONS mg/l:																	
Alk-CaC03		85	83	85	97	99	92	86	91	83.6	88	83	85	90	112	87	90
Bicarbonate (HCO3)		103	101	104	118	120	112	104	111	102	108	101	104	110	136	110	110
Calcium (Ca)		79.9	78.6	78.1	79.7	72.5	73.6	86.2	93.9	101	102	113	101	103	77.5	101	97.4
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		12.7	10.4	9.5	13	7.5	4.6	11.3	8.5	10.4	9	13	9	12	7	11	11
Fluoride (F)		0.17	0.19	0.18	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
Magnesium (Mg)		5.3	5.4	5.1	4.96	4.5	4.6	5.2	5.9	6.5	6.6	7	6.6	6.7	4.9	6.9	6.2
Nitrate-N (NO3)		-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
Potassium (K)		3.4	2.7	2.6	2.6	3.2	3	3.5	2.8	3	3.6	3.5	2.9	3	2.8	3.2	3.1
Silica (SiO2)		11.4	12.6	12.7	14	13.2	12.1	11.7	13.3	12.9	14	13	13	13	15	13	13
Sodium (Na)		35.2	35.6	34.2	36.6	34.6	37.7	36.7	38.8	39.4	39.1	40.6	38.6	38.5	37.1	39.1	39.3
Sulfate (SO4)		183	196	175	177	165	164	211	224	250	245	268	241	266	171	265	237
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		598	591	597	562	545	568	612	419	697	673	745	709	705	565	723	678
pH	GPS (6.8)	8.06	7.91	8.04	8	8.09	7.87	7.86	8.16	7.89	8.04	7.94	8.09	7.96	7.51	7.96	8.01
TDS @ 180° C.	GPS (500)	392	404	382	379	360	380	374	438	464	481	463	477	490	392	488	430
TRACE METALS mg/l:																	
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	0.073	0.058	-0.05	0.075	0.081	0.09	0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.04	0.05	0.05	0.05	0.06	0.06	0.05	0.07	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.04
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
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
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
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
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
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
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
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
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	3.6	3.75	3.2	2.3695	2.5049	2.7	2.8	3.4	3.1	3.4	3.8	3.6	3.8	3.1	3.8	4.2
Radium 226		2.5	2.3	3.2	1.5	2.8	2	2.6	3	3.4	3.5	1.5	3.5	3.5	3.2	5.4	3.9
Radium Precision +/-		0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.9	0.6	0.7	0.9	1.3	0.9	0.8
Radium 228		5.4	5.3	4.1	7.5	4.4	4.2	-1	-1	4.6	3.3	6	4.3	2.3	-1	4.6	6.6
Radium Precision +/-		0.2	0.3	1.4	1	1	1			1.6	2.2	1.3	1.2	1.2		0.9	1.2
Combined Ra226/228	GPS (5.8)	7.9	7.6	7.3	9	7.2	6.2	2.6	3	8	6.8	7.5	7.8	5.8	3.2	10	10.5
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-								0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	3.6	2.3	2.8	1.3	5.1	-1	2.5	3	4.2	4	6.1	4.5	3.9	3.6	5.4	4.3
Gross Alpha Precision +/-		1.2	1	1.3	1.1	1.4		1	1	1.2	1.3	1.6	1.1	1	0.9	0.7	0.8
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.02	1.03	1.03	1.01	0.99	1.06	0.89	1.02	0.98	1.02	0.91	1.03	0.99	1.03	0.99	0.93
(LAB: Energy Labs Inc. unless noted.)																	

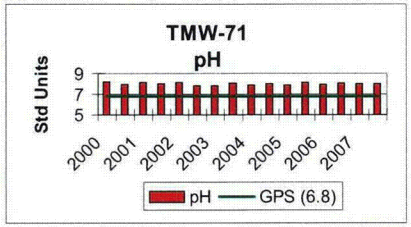


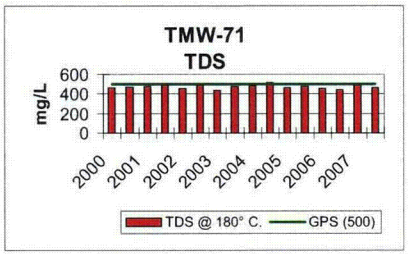


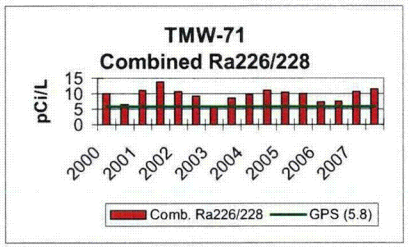


KENNEC[illegible]ANIUM COMPANY																	
TMW-71																	
NORTHING: 149,835.18	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 324,420.67	Protection																
ND = Non-detectable	Standard	05/08/00	11/09/00	05/10/01	11/13/01	05/06/02	11/20/02	05/12/03	11/11/03	05/05/04	11/02/04	05/03/05	12/19/05	05/02/06	11/19/06	05/01/07	11/07/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	12	10	11	9	11.6	8.9	11.9	10
pH (Std. Units)		7.7	7.2	7.3	7.4	7.2	6.8	7.1	6.9	7.3	7.1	7.2	7.56	7.46	7.39	7.48	7.7
Cond (umho/cm)		440	660	720	640	580	580	680	660	520	420	500	510	676	645	632	612
TDS																	
MAJOR IONS mg/l:																	
Alk-CaC03		116	117	116	117	119	116	119	119	118	119	118	118	120	114	120	120
Bicarbonate (HCO3)		140	142	140	142	145	141	145	145	144	145	144	143	146	139	150	146
Calcium (Ca)		95.9	98.5	98.7	107	98.4	98.9	104	105	102	115	114	103	105	85.3	102	105
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		4.5	6.3	8	12	5	1.2	6	6.1	6.1	6	7	7	6	4	6	6
Fluoride (F)		0.16	0.17	0.16	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1
Magnesium (Mg)		6.2	6.6	6.3	6.74	6.2	6.3	6.4	6.7	6.6	7.5	7.1	6.7	7	5.5	7	6.6
Nitrate-N (NO3)		-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
Potassium (K)		3.7	3.1	3	3	3.6	3.4	3.6	3	3.2	3.8	3.6	3	3.2	2.9	3.3	3.2
Silica (SiO2)		12.5	13.6	13.6	14	13.4	12.4	12.8	13.8	13.6	15	14	15	15	13	15	15
Sodium (Na)		38.9	39.4	37.6	38.4	36.3	40	38.5	39.2	37.6	39.9	39.8	37.9	36.9	34.4	37.6	38.6
Sulfate (SO4)		204	228	212	236	228	215	238	243	234	254	245	223	229	192	239	228
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		688	691	698	688	677	700	691	1350	708	721	737	7.3	683	701	713	699
pH	GPS (6.8)	8.18	7.95	8.12	8	8.11	7.83	7.83	8.07	7.89	7.99	7.89	8.12	7.95	8.04	8	7.98
TDS @ 180° C.	GPS (500)	459	465	476	490	458	488	437	475	484	514	464	478	458	440	488	462
TRACE METALS mg/l:																	
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	0.078	0.076	-0.05	0.069	-0.05	0.1	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.05	0.06	0.05	0.05	0.05	0.06	0.05	0.06	0.05	0.06	0.05	0.05	0.05	0.05	0.05	0.05
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
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
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
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
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
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
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
Zinc (ZN)		-0.01	-0.01	-0.01	-0.01	-0.01	0.03	0.02	-0.01	-0.01	-0.01	-0.01	0.04	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	9	10.8	9.2	8.0563	7.9209	8	7.4	11.4	7.9	7.3	7.8	7.1	7.1	6.1	6.3	6.9
Radium 226		3.1	3.1	3.7	2.2	3.4	3	2.1	4.6	3.1	4.4	3.2	3.2	3.6	3.7	4.1	3.2
Radium Precision +/-		0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.7	0.8	0.8	0.7	0.7	0.8	0.8	0.7
Radium 228		7	3.4	7.4	11.6	7.2	6.2	3.5	4	6.5	6.6	7.3	6.8	3.7	3.9	6.6	8.3
Radium Precision +/-		0.7	0.3	1.5	1.1	1	1	1.2	1.2	1.6	1.5	1.3	1.2	1.1	1	0.9	1.2
Comb. Ra226/228	GPS (5.8)	10.1	6.5	11.1	13.8	10.6	9.2	5.6	8.6	9.6	11	10.5	10	7.3	7.6	10.7	11.5
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-								0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	4.7	3.6	4.8	2.5	6	3.9	3.1	3.1	3.6	2.9	6.3	3.1	4.3	3.4	4.5	4.3
Gross Alpha Precision +/-		1.3	1.2	1.7	1.2	1.4	2.2	1	1	1.2	1.2	1.6	1	1.8	0.7	0.7	0.8
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.05	0.99	1.06	1.03	0.98	1.08	0.9	1	1.02	1	0.92	1.03	0.96	1.09	1.01	0.97
(LAB: Energy Labs Inc. unless noted.)																	

KENNEC[illegible]ANIUM COMPANY	
TMW-71	
NORTHI[illegible]9,835.18 EASTING: 324,420.67	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaC03	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V205)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	



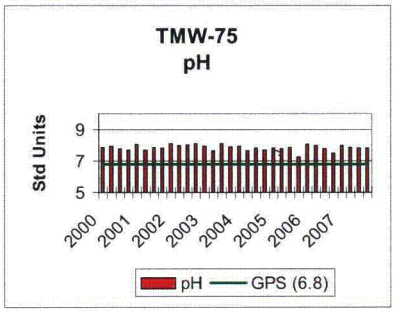


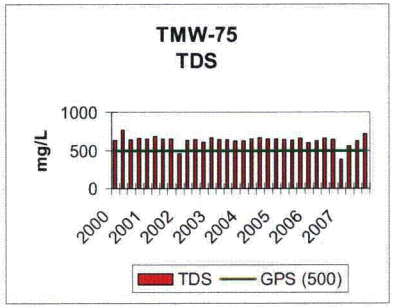


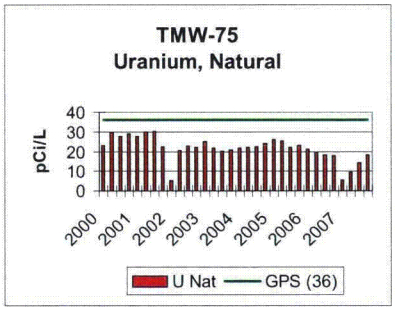
KENNECOT[illegible]IUM COMPANY																		
TMW-75																		
NORTHING: 149,801.01 EASTING: 325,992.80	Groundwater Protection	2000				2001				2002				2003				2004
ND = Non-detectable	Standard	01/04/00	04/04/00	07/12/00	10/03/00	01/10/01	04/03/01	07/02/01	10/02/01	01/08/02	04/08/02	07/10/02	10/03/02	01/07/03	04/07/03	07/09/03	10/16/03	01/05/04
FIELD DATA mg/l:	(GPS)																	
Temperature (C)	as of 5/26/05	6	10	10	8	6	10	10	12	6	8	14	8	8	8	10	12	6
pH (Std. Units)		6.9	7.1	6.8	6.8	6.9	7.2	7.1	6.9	7.2	7.1	6.9	6.3	6.8	7.2	6.8	6.8	6.8
Cond. (umho/cm)		680	720	580	960	880	860	880	820	860	800	760	780	870	820	700	700	800
TDS																		
MAJOR IONS mg/l:																		
Alk-CaCO3		128	136	131	131	132	130	133	131	118	127	129	127	129	124	125	127	128
Bicarbonate (HCO3)		156	165	159	159	160	158	162	159	144	154	157	155	157	151	152	154	157
Calcium (Ca)		128	181	131	130	135	129	136	140	111	141	126	126	121	128	128	133	161
Carbonate (CO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		17.2	30.5	17.1	14.6	26.8	22.1	22.2	18	13.5	21.9	18.5	19.2	18.2	22.8	16	15.5	32
Fluoride (F)		0.14	0.15	0.15	0.15	0.15	0.17	0.15	0.2	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Magnesium (Mg)		10.1	14.3	10.6	10.7	10.5	10.5	11.7	11	6.8	10.4	10.2	10.2	9.7	10.2	10.1	10.5	13
Nitrate-N (NO3)		-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
Potassium (K)		3.4	4	3.4	3.95	4.4	3.9	3.1	3.2	3.5	3.4	3.5	3.5	3.3	4.1	4.2	3.3	3.9
Silica (SiO2)		12.6	14.8	13.4	11.5	12.1	13.2	14.5	14.5	15.5	13.9	13	16.5	11.2	12.6	11.6	14.7	16
Sodium (Na)		43.2	50	42	44.7	41.6	39.5	48.2	47	36.7	43.6	43.3	42.8	42.2	45.1	45	43.5	45
Sulfate (SO4)		296	399	279	268	328	299	312	300	239	326	297	296	295	312	300	325	347
NON-METALS:																		
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
PHYSICAL PROPERTIES:																		
Cond (umho/cm)		922	1060	921	932	934	934	928	910	667	869	894	879	927	875	925	892	915
pH	GPS (6.8)	7.86	7.93	7.76	7.69	8.05	7.69	7.84	7.8	8.1	7.98	8	8.09	7.93	7.63	8.07	7.87	7.93
TDS	GPS (500)	629	764	640	657	648	679	648	648	453	628	641	602	660	637	638	622	620
TRACE METALS mg/l:																		
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.17	0.28	-0.1	-0.1	0.19	0.45	-0.1	0.14	0.077	0.301	0.159	-0.05	0.142	0.204	0.193	0.219	0.27
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
Manganese (Mn)	GPS (0.2)	0.11	0.13	0.1	0.0902	0.12	0.12	0.11	0.11	0.06	0.11	0.09	0.11	0.11	0.09	0.1	0.1	0.1
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
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
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
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001	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
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
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
Vanadium (V2O5)		-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	0.06	0.01	-0.01	0.04	-0.01	-0.01	-0.01	0.01	-0.01	0.04	0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																		
Uranium, natural	GPS (36)	23	29.7	27.6	29	27.8	29.8	30.1	22.341	5.3483	20.4454	22.8149	22	25.1	21.8	20.3	20.9	21.7
Radium 226		1.7	4.8	2.7	-0.2	1.9	1.7	1.6	2.2	0.9	1.4	2.1	1.3	1.2	1.7	1	1.3	1.3
Radium Precision +/-		0.2	0.3	0.3	0.3	0.2	0.2	0.4	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.4
Radium 228		3.3	5	6.9	4.1	6.6	5.6	-1	7.5	5.1	4.3	3.5	4.3	-1	3.5	-1	-1	-1
Radium Precision +/-		0.2	0.2	0.6	0.4	1.4	1.1		1.2	1	1	1.2	1.1		1.7			
Combined Ra226/228	GPS (5.8)	5	9.8	9.6	4.1	8.5	7.3	1.6	9.7	6	5.7	5.6	5.6	1.2	5.2	1	1.3	1.3
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	7.2	-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
Thorium Precision +/-					1.7													
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
Lead Precision +/-																		
Gross Alpha	GPS (15)	-1	2.7	2.4	3	3.8	2.7	1.5	2	1.8	2.3	1.8	2.3	2.9	2.6	-1	2	1.6
Gross Alpha Precision +/-			0.6	1.1	0.9	1	1	1	1	1	1	1	1	1	1.2		1	1
QUALITY ASSURANCE DATA:																		
TDS A/C Balance (dec. %)		1.07	0.98	1.11	1.16	1.01	1.14	1.03	1.08	0.93	0.98	1.08	1.01	1.13	1.04	1.07	1.02	0.91
(LAB: Energy Labs Inc. unless noted.)																		TMW-75

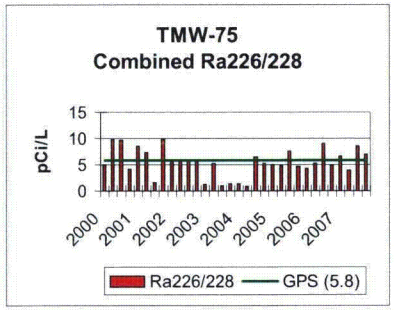
KENNECO[illegible]IUM COMPANY																
TMW-75																
NORTHING: 149,801.01	Groundwater				2005				2006				2007			
EASTING: 325,992.80	Protection															
ND = Non-detectable	Standard	04/05/04	07/12/04	10/07/04	01/05/05	04/06/05	07/11/05	11/07/05	01/16/06	04/10/06	07/03/06	10/05/06	03/14/07	04/11/07	07/22/07	10/03/07
FIELD DATA mg/l:	(GPS)															
Temperature (C)	as of 5/26/05	12	17	13	9	11	17	9.8	7.4	12.7	19	14.7	8.7	9.6	17.5	13.5
pH (Std. Units)		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
Cond. (umho/cm)		720	860	600	860	660	580	720	690	580	907	857	557	779	862	919
TDS																
MAJOR IONS mg/l:																
Alk-CaCO3		125	124	127	131	124	126	128	128	125	119	120	107	118	120	131
Bicarbonate (HCO3)		153	151	154	160	151	153	156	156	152	145	147	131	144	150	159
Calcium (Ca)		148	142	165	148	138	142	134	135	137	139	143	76.9	127	129	134
Carbonate (CO3)		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		19.6	18	19	21	20	18	19	17	18	14	17	7	15	16	21
Fluoride (F)		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
Magnesium (Mg)		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
Nitrate-N (NO3)		-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
Potassium (K)		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
Silica (SiO2)		14.2	14	16	14	14	15	15	15	15	16	14	13	14	14	15
Sodium (Na)		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
Sulfate (SO4)		339	335	357	334	339	326	322	315	320	342	329	168	297	302	339
NON-METALS:																
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
PHYSICAL PROPERTIES:																
Cond (umho/cm)		927	890	910	919	938	926	946	896	879	904	905	578	842	886	1010
pH	GPS (6.8)	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
TDS	GPS (500)	647	665	647	643	635	632	658	600	618	652	638	382	558	626	712
TRACE METALS mg/l:																
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	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
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
Manganese (Mn)	GPS (0.2)	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
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
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
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
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
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
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
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (36)	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
Radium 226		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
Radium Precision +/-		0.3	0.5	0.5	0.4	0.4	0.5	0.5	0.8	0.5	0.3	0.5	0.8	0.5	0.5	0.4
Radium 228		-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
Radium Precision +/-			1.4	1.1	1	0.9	0.9	1	1.2	0.9	0.9	1.1	1	0.9	1.1	0.9
Combined Ra226/228	GPS (5.8)	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
Thorium 230	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
Thorium Precision +/-																
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																
Gross Alpha	GPS (15)	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
Gross Alpha Precision +/-		1.1	1	1	1.3	1	1.8	1.1	0.9	0.9	1.1	1.2	0.6	0.8	0.5	0.9
QUALITY ASSURANCE DATA:																
TDS A/C Balance (dec. %)		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
(LAB: Energy Labs Inc. unless noted.)																

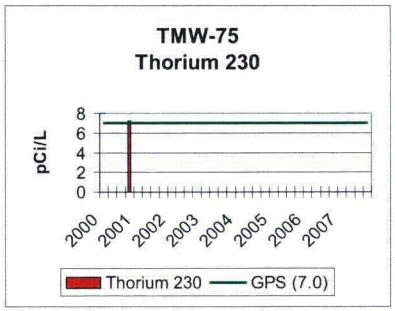
KENNECOTT URANIUM COMPANY	
TMW-75	
NORTHING: 149,801.01 EASTING: 325,992.80	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead, (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	



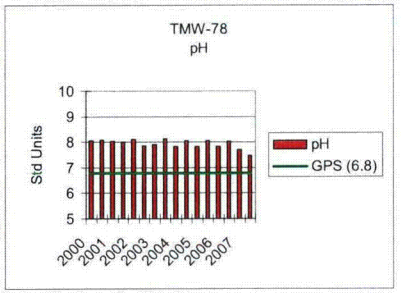


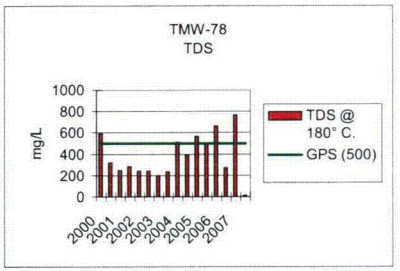


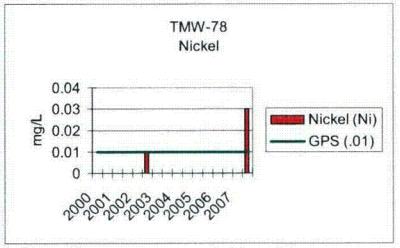


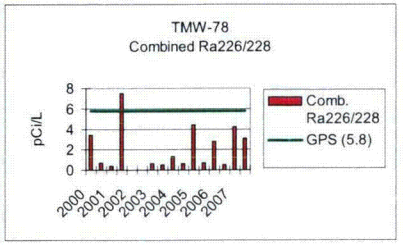


KENNECOTT URANIUM COMPANY																	
TMW-78																	
NORTHING: 149,900.26	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 325,592.38	Protection																
ND = Non-detectable	Standard	5/10/00	11/15/00	5/10/01	11/13/01	5/6/02	11/13/02	5/12/03	11/10/03	5/5/04	11/2/04	5/3/05	12/17/05	5/8/06	11/19/06	6/3/07	11/26/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	12	11	11	7.3	11.8	9.3	10.2	11.1
pH (Std. Units)		7.6	6.6	7.3	7.4	7.3	6.8	7.2	7.2	7.2	7.1	7.1	7.53	7.52	7.21	7.41	7.1
Cond. (umho/cm)		540	480	380	400	380	380	400	360	580	360	660	460	883	432	1018	1342
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3		92	96	96	97	101	98	98	101	96.2	97	90	95	89	90	90	88
Bicarbonate (HCO3)		112	117	116	118	123	120	120	123	117	119	110	116	108	110	110	108
Calcium (Ca)		121	61	45.3	53.1	49.2	47.4	49	51	107	79.4	142	110	143	47	176	233
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		12.6	8.6	7.7	11	2.5	3	5.1	5.2	10.1	6	14	7	13	4	12	18
Fluoride (F)		0.16	0.21	0.19	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1
Magnesium (Mg)		11.4	7	4.3	4.4	3.7	3.6	3.5	3.6	9.4	9.1	14.9	13.4	18.4	5.9	21.6	28.3
Nitrate-N (NO3)		-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
Potassium (K)		3.9	2.8	2.1	2.2	2.8	2.8	2.9	2.1	3	3.3	3.8	3.1	3.6	2.4	4	5.6
Silica (SiO2)		11.9	11.5	13.3	14	13	12.2	12.1	13	12.6	14	12	14	13	11	13	11
Sodium (Na)		35.3	31.1	28.3	30.7	29.3	32	29.8	30.8	34.4	31.4	37.7	31.6	35.2	28.3	36.1	42
Sulfate (SO4)		291	142	90.5	103	94.3	87.2	95.6	93.3	264	180	349	270	400	103	479	650
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		825	504	403	409	402	400	394	542	736	560	891	719	911	466	1150	1550
pH	GPS (6.8)	8.06	8.08	8.02	8	8.11	7.85	7.91	8.13	7.84	8.05	7.83	8.06	7.84	8.03	7.71	7.48
TDS @ 180° C.	GPS (500)	588	318	249	281	242	240	201	232	514	394	568	487	664	274	768	11.8
METALS-DISSOLVED mg/l:																	
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
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
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
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
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
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
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
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	0.006
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
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	0.02	0.01	0.03	0.02	0.07	0.33
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
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
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	0.03
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
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
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
Vanadium (V2O5)		-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	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.01	0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	16.5	9.7	5.2	4.4682	3.9266	3.4	4.3	4.5	8.8	9.8	12.7	9	10	9.2	12	13.3
Radium 226		0.9	0.7	0.4	-0.2	-0.2	-0.2	0.6	0.5	1.3	0.6	3.1	0.7	0.8	0.5	1.5	2
Radium Precision +/-		0.3	0.2	0.2				0.2	0.2	0.5	0.3	0.8	0.5	0.3	0.4	0.5	0.5
Radium 228		2.5	-1	-1	7.5	-1	-1	-1	-1	-1	-1	1.3	-1	2	-1	2.7	2.9
Radium Precision +/-		0.2			1							1.1		1		1	1.1
Comb. Ra226/228	GPS (5.8)	3.4	0.7	0.4	7.5	0	0	0.6	0.5	1.3	0.6	4.4	0.7	2.8	0.5	4.2	3.1
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-								0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	2.4	-1	-1	-1	3.7	-1	-1	-1	1.2	-1	1.6	-1	1.8	-1	2.7	3.3
Gross Alpha Precision +/-		1				1.2				1		1.1		0.7		0.6	0.6
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.08	0.98	0.99	1.06	0.94	0.96	0.77	0.94	1.03	1.03	0.91	0.96	0.98	1.07	0.96	1.13
(LAB: Energy Labs Inc. unless noted.)																	



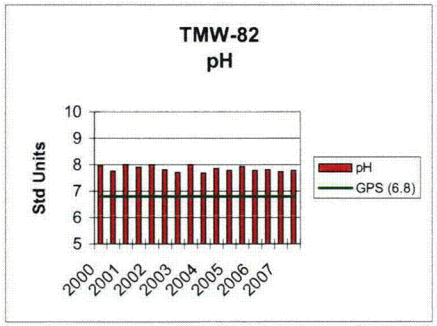


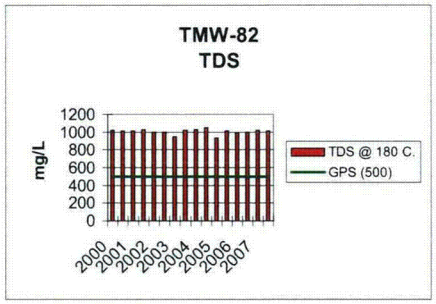


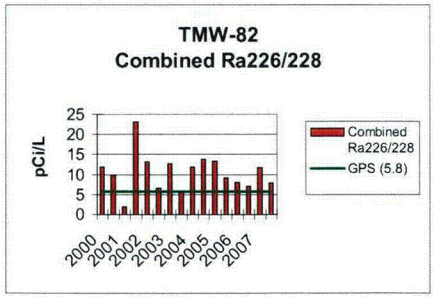


KENNEC[illegible]NIUM COMPANY																	
TMW-82																	
NORTHING: [illegible]0,302.15	Groundwater	2000		2001		2002		2003		2004		2005		2006		2007	
EASTING: 325,987.47	Protection																
ND = Non-detectable	Standard	05/10/00	11/09/00	05/17/01	11/14/01	05/06/02	11/18/02	05/12/03	11/10/03	05/05/04	11/02/04	05/03/05	12/17/05	05/04/06	11/19/06	06/03/07	11/26/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	15	11	11	10.6	10	9.5	9.9	11.1
pH (Std. Units)		7.3	6.9	7.1	7.2	6.9	6.7	7.2	6.7	7.1	7.1	7.1	7.36	7.49	7.13	7.46	7.4
Cond. (umho/cm)		820	1140	1160	1040	960	880	920	940	760	680	840	810	1256	1261	1236	1181
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3		103	102	101	103	106	100	101	102	98	99	98	95	100	94	96	106
Bicarbonate (HCO3)		125	124	122	125	129	122	123	124	119	121	120	116	122	115	117	129
Calcium (Ca)		206	217	213	234	216	201	204	223	213	224	227	236	219	216	229	202
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		27.1	26.7	27.2	30	23.2	18.6	24.9	22.3	25.3	24	26	25	25	24	26	26
Fluoride (F)		0.13	0.14	0.14	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
Magnesium (Mg)		18.2	20	18.9	20.5	19.3	18.1	17.7	20.1	19.6	21.8	20.1	21.8	20.2	19.2	20.6	16.9
Nitrate-N (NO3)		-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
Potassium (K)		4.8	4.1	3.9	4.1	4.8	4.3	4.7	4	4.1	4.8	4.5	4.2	4.1	4.1	4.3	4.6
Silica (SiO2)		12.2	13.6	13.3	14	12.8	11.6	11.7	13.5	13.1	15	14	15	14	13	14	14
Sodium (Na)		50.7	53.5	51.9	53.2	50.2	52.3	49.5	53.8	51.6	53.6	52.9	51.3	51.5	50.9	53.9	49
Sulfate (SO4)		508	584	574	606	578	521	555	598	585	612	574	609	609	581	618	538
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		1315	1310	1290	1290	1300	1310	1310	1220	1300	1310	1310	1310	1280	1350	1470	1380
pH	GPS (6.8)	7.95	7.76	7.99	7.9	8	7.8	7.7	8.01	7.68	7.86	7.78	7.92	7.77	7.8	7.72	7.79
TDS @ 180 C.	GPS (500)	1020	1010	1010	1030	1000	1000	949	1020	1030	1050	929	1010	990	998	1020	1010
METALS-DISSOLVED mg/l:																	
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
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
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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.34	0.36	0.08	0.4	0.32	0.225	0.26	0.323	0.299	0.39	0.32	0.06	-0.05	-0.05	0.21	0.21
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
Manganese (Mn)	GPS (0.2)	0.11	0.12	0.11	0.1	0.11	0.12	0.1	0.11	0.1	0.12	0.11	0.11	0.11	0.11	0.11	0.1
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
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
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
Selenium (Se)	GPS (.01)	-0.001	0.001	-0.001	-0.001	0.001	0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
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*
Vanadium (V2O5)		-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	0.02	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	4.3	5.08	4.9	4.3328	5.416	4.6	5.3	5.8	4.4	4.1	4.7	4.6	4.5	4.6	4.4	4.1
Radium 226		1.9	2.8	1.9	2	3.4	1	3.1	3.4	1.8	3.4	3.8	2.3	2	2.1	2.5	1.7
Radium Precision +/-		0.4	0.3	0.2	0.3	0.4	0.2	0.4	0.4	0.5	0.7	0.8	0.6	0.5	0.7	0.6	0.5
Radium 228		10	7	-1	21	9.8	5.5	9.5	2	10.1	10.4	9.5	6.9	6	4.9	9.5	6.2
Radium Precision +/-		0.7	0.3		1.2	1	1	2.1	1.1	1.7	1.6	1.4	1.2	0.8	1	1.2	1.2
Combined Ra226/228	GPS (5.8)	11.9	9.8	1.9	23	13.2	6.5	12.6	5.4	11.9	13.8	13.3	9.2	8	7	11.7	7.9
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-								0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	3.2
Lead Precision +/-																	1.2
Gross Alpha	GPS (15)	4.4	2.2	2.7	2.9	7.2	6.2	2.3	3.5	2.2	2.3	6.8	1.8	2.6	2.6	5.7	3
Gross Alpha Precision +/-		1.2	1	1.2	1.2	1.5	2.2	1	1.1	1	1.1	1.6	1.2	0.8	0.7	0.8	0.6
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.15	1.03	1.05	1.02	1.03	1.13	1.02	1.04	1.06	1.04	0.95	0.99	0.99	1.04		1.11
(LAB: Energy Labs Inc. unless noted.)																1	

KENNEC[illegible]NIUM COMPANY	
TMW-82	
NORTHING: [illegible]0,302.15 EASTING: 325,987.47	Groundwater Protection
ND = Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180 C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead, (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	

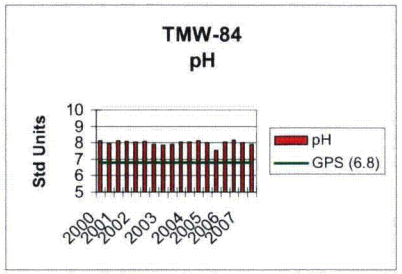


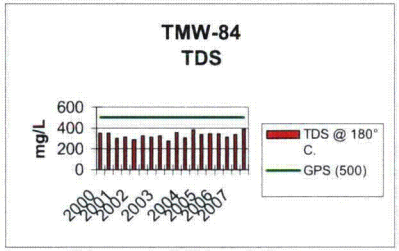


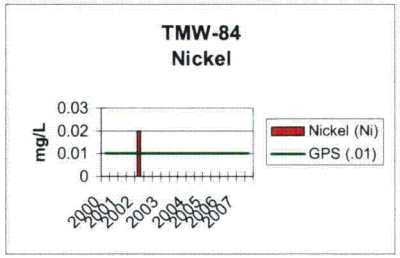


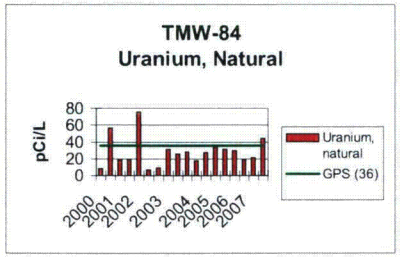
KENNECO[illegible]IUM COMPANY																			
TMW-84																			
NORTHING: 150,506.27	Groundwater	2000		2001		2002			2003			2004		2005		2006		2007	
EASTING: 326,376.61	Protection																		
ND=Non-detectable	Standard	5/10/00	11/9/00	5/17/01	11/14/01	5/6/02	7/29/02	11/18/02	3/10/03	5/12/03	11/10/04	5/5/04	11/3/04	5/3/05	12/17/05	5/8/06	11/19/06	6/3/07	11/27/07
FIELD DATA mg/l:	(GPS)																		
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	8	13	13	12	10.1	12.3	10.3	9.8	11.1
pH (Std. Units)		7.4	7.2	7.3	7.5	7.2	6.7	6.6	7.2	7.2	6.8	7.2	7.5	7.2	7.56	7.6	7.39	7.69	7.5
Cond. (umho/cm)		380	540	440	460	380	420	400	480	460	500	460	380	440	370	505	494	527	555
TDS																			
MAJOR IONS mg/l:																			
Alk-CaCO3		98	99	100	103	104	103	97	103	101	104	101	102	101	95	104	100	104	115
Bicarbonate (HCO3)		119	120	123	126	126	125	118	125	123	126	123	125	123	116	127	122	127	141
Calcium (Ca)		69.7	72.6	57.8	62.2	56.1	55.2	56.9	71	64.9	71	62.5	74.8	83.3	75.6	71.5	66.9	77.4	75.5
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		7.1	8.4	3	10	3.1	5	4.9	8.7	8.6	5.6	8.2	6	11	7	9	7	9	11
Fluoride (F)		0.18	0.19	0.18	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1
Magnesium (Mg)		4.8	5.6	4.1	4.34	3.8	3.8	3.9	4.9	4.4	5	4.4	5.7	5.9	5.7	5.4	4.6	5.6	5
Nitrate-N (NO3)		-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
Potassium (K)		3.2	2.6	2.3	2.4	3	2.1	2.8	3	3.3	2.5	2.6	3.3	3.1	2.9	2.9	2.9	2.9	3.6
Silica (SiO2)		11.8	11	12.4	13	12.6	12.2	11.4	11	10.9	12.1	12.2	12	11	12	11	13	12	9
Sodium (Na)		34.1	34.9	32.1	32.6	30.8	31.9	33.4	34	32.8	34.1	32.8	34.3	36.7	32.3	33.3	32.2	35.6	34.8
Sulfate (SO4)		146	162	120	123	113	116	113	149	141	151	130	156	174	155	159	145	166	167
NON-METALS:																			
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
PHYSICAL PROPERTIES:																			
Cond (umho/cm)		541	552	464	462	449	453	473	538	499	544	497	534	589	531	522	525	601	634
pH	GPS (6.8)	8.14	7.93	8.12	8.1	8.04	8.07	7.91	7.87	7.89	8.06	8.03	8.13	8.01	7.53	8.05	8.15	8.01	7.88
TDS @ 180° C.	GPS (500)	348	348	302	315	290	322	312	324	276	353	306	379	337	344	342	310	338	386
TRACE METALS mg/l:																			
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
Arsenic (As)	GPS (.05)	-0.001	0.003	0.002	0.002	0.018	0.002	0.001	0.002	0.001	0.003	0.002	0.007	0.01	0.019	0.025	0.023	0.019	0.043
Barium (Ba)		-0.1	-0.1	-0.1	-0.1	0.2	-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
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
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
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
Cobalt (Co)		-0.001	-0.001	-0.001	-0.001	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
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	-0.01	-0.01	-0.01	-0.01	0.1	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
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001	-0.001	0.004	-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
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
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
Vanadium (V2O5)		-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	0.19	-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
RADIOMETRIC pCi/l:																			
Uranium, natural	GPS (36)	8.2	56.4	18.1	18.956	75.147	6.6	9	31.2	26	28.3	17.3	27.8	33.5	31.6	30	19.1	21.1	44
Radium 226		0.8	0.6	-0.2	0.4	1	-0.2	0.5	1.3	0.7	1.2	-0.2	0.8	-0.2	0.5	1	1.1	-0.2	1
Radium Precision +/-		0.2	0.3		0.2	0.3		0.2	0.3	0.2	0.2		0.4		0.4	0.3	0.5		0.5
Radium 228		4.8	2.2	-1	4.4	-1	-1	-1	2	-1	-1	-1	-1	-1	-1	2	-1	2.6	-1
Radium Precision +/-		0.2	0.2		1				1							1		1	
Combined Ra226/228	GPS (5.8)	5.6	2.8	0	4.8	1	0	0.5	3.3	0.7	1.2	0	0.8	0	0.5	3	1.1	2.6	1
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-										0.3									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																			
Gross Alpha	GPS (15)	-1	-1	-1	-1	3.2	-1	-1	2.2	-1	-1	-1	-1	1.5	-1	1.2	-1	1.4	1.6
Gross Alpha Precision +/-						1.1			1					1.1		0.6		0.5	0.4
QUALITY ASSURANCE DATA:																			
TDS A/C Balance (dec. %)		1.03	0.97	1.03	1.05	1.01	1.11	1.09	0.93	0.84	1.06	0.97	1.07	0.88	0.99	0.96	0.93	0.91	1.03
(LAB: Energy Labs Inc. unless noted.)																			

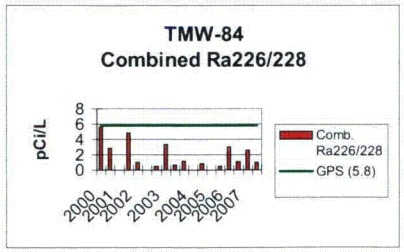
KENNECOTT URANIUM COMPANY	
TMW-84	
NORTHING: 150,506.27 EASTING: 326,376.61	Groundwater Protection
ND=Non-detectable	Standard
FIELD DATA mg/l:	(GPS)
Temperature (C)	as of 5/26/05
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
TRACE METALS mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead, (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
(LAB: Energy Labs Inc. unless noted.)	



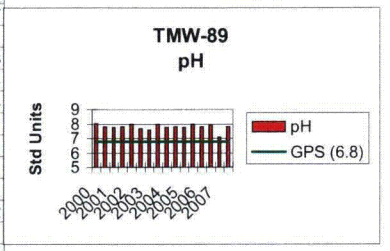


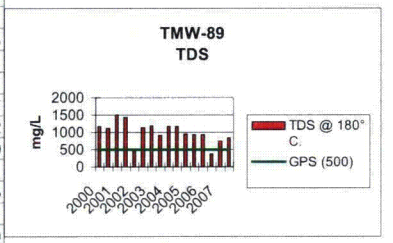


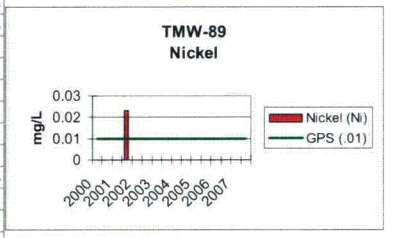


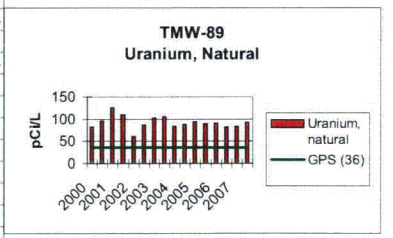


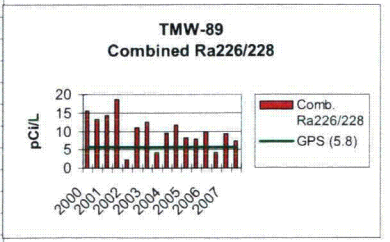
KENNECOTT URANIUM COMPANY																	
TMW-89																	
NORTHING: 150,809.67 EASTING: 326,137.13	Groundwater Protection	2000		2001		2002		2003		2004		2005		2006		2007	
ND = Non-detectable	Standard	5/10/00	11/9/00	5/17/01	11/14/01	5/7/02	11/18/02	5/12/03	11/10/03	5/5/04	11/3/04	5/3/05	12/17/05	5/8/06	11/19/06	6/6/07	11/26/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	14	11	10	8.3	12	10	9.2	9.8
pH (Std. Units)		7.3	7.1	7.3	7.3	7.3	6.8	6.9	6.8	6.9	7.2	7.1	7.41	7.3	7.34	6.85	7.4
Cond (umho/cm)		900	1280	1420	1340	600	960	960	860	980	740	860	760	116.5	591	932	1004
TDS																	
MAJOR IONS mg/l:																	
Alk-CaC03		79	80	61	62	93	61	59	75	58.2	63	67	70	76	90	82	91
Bicarbonate (HCO3)		96	98	73	75	113	74.4	72	90.9	71	77	82	85	93	110	100	111
Calcium (Ca)		230	240	313	319	98.4	221	252	199	243	246	231	221	202	72.8	61	162
Carbonate (CO3)		-0.1	-0.1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		30.8	27.7	38.4	39	9.4	20.3	30.9	17.9	27.2	25	24	22	24	7	22	20
Fluoride (F)		0.14	0.15	0.13	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2	0.1
Magnesium (Mg)		22.4	24.3	30.4	30.9	9.3	21.3	24.1	18.9	23.7	25.6	22	21.9	19.9	7.2	15.3	14.3
Nitrate-N (NO3)		-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
Potassium (K)		5.8	5.2	6.3	6.3	3.9	6	6	4.8	5.7	6.2	5.6	5.1	4.9	3	4.6	5.1
Silica (SiO2)		6.8	7.5	3.4	4	8.6	3.8	3.2	5	3.6	4	4	6	6	5	7	7
Sodium (Na)		51.9	53.7	60.6	60.1	33.9	53.9	55.8	49.4	55.2	55.1	52.6	46.6	47.8	29.3	44	42
Sulfate (SO4)		608	663	910	905	235	618	743	540	701	713	625	592	582	174	451	429
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)		1455	1430	1790	1690	680	1440	1540	1220	1450	1430	1350	1230	1200	631	1070	1170
pH	GPS (6.8)	8.01	7.79	7.75	7.8	7.99	7.68	7.56	7.98	7.74	7.78	7.74	7.97	7.82	7.87	7.1	7.78
TDS @ 180° C.	GPS (500)	1160	1110	1500	1420	459	1130	1190	905	1170	1170	945	924	922	378	732	828
METALS-DISSOLVED mg/l:																	
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
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
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
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
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
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
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
Cobalt (Co)		0.002	0.003	0.003	0.003	-0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.002	-0.001	0.001	0.001
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
Iron (Fe)	GPS (0.6)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.09	0.09	0.1	0.09	0.04	0.08	0.08	0.06	0.07	0.09	0.06	0.06	0.06	0.03	0.04	0.05
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
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
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	*0.023*	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	0.002	0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
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
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
Zinc (ZN)		0.02	-0.01	0.01	-0.01	0.02	0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)	82.5	95.5	125	108.997	60.1853	86	103	106	84.3	88.5	94.4	89.8	91.5	81.6	83.5	91.9
Radium 226		5.9	6.2	6.3	5.5	2.3	6.2	5.3	4.1	5.1	5.6	4.5	3.6	4.2	2	4.4	4
Radium Precision +/-		0.4	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.9	0.9	1.2	0.8	0.7	0.7	0.7	0.8
Radium 228		9.6	7	7.9	13.1	-1	4.8	7.3	-1	4.3	6.1	3.7	4.3	5.6	2.2	4.8	3.3
Radium Precision +/-		0.7	0.2	1.3	1.1		1	1.3		1.6	1.5	1.2	1.1	1.1	0.9	1.1	1.1
Combined Ra226/228	GPS (5.8)	15.5	13.2	14.2	18.6	2.3	11	12.6	4.1	9.4	11.7	8.2	7.9	9.8	4.2	9.2	7.3
Thorium 230	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
Thorium Precision +/-								0.2									
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-2.7	-2.7	-2.7	-2.7	-2.7	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)	9.2	6.7	7.7	6.9	6.1	6.2	6.4	3.6	4.9	4.9	7.9	4.2	4	1.8	7.4	5.9
Gross Alpha Precision +/-		1.7	1.5	1	1.5	1.4	2.2	1.3	1.1	1.3	1.4	1.7	1.5	1	0.6	1.3	0.8
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)		1.15	1.04	1.07	1.01	1	1.14	1.03	1.03	1.07	1.05	0.94	0.97	0.99	1.07	0.97	1.13
(LAB: Energy Labs Inc. unless noted.)					*Revised Result*												











KENNECOTT URANIUM COMPANY																										
TMW-91																										
NORTHING: 148,518.38	Groundwater	2003						2004												2005						
EASTING: 323,956.86	Protection																									
ND = Non-detectable	Standard	08/26/03	09/18/03	10/22/03	11/12/03	12/10/03	12/31/03	01/13/04	02/16/04	03/17/04	04/12/04	05/11/04	06/15/04	07/14/04	08/05/04	09/15/04	10/13/04	11/09/04	12/08/04	01/18/05	02/07/05	03/03/05	04/12/05	07/14/05	10/05/05	12/22/05
FIELD DATA mg/l:	(GPS)																									
Temperature (C)	as of 5/26/05	8	8	8	8	8	8	8	8	8	9	10	12	15	11	11	10	10	8	12	10	8	11	20	12.7	7.8
pH (Std. Units)		6.3	6.8	6.8	6.7	7.2	7.3	7.9	7.2	7.1	6.8	7.8	7.2	7.1	7.1	6.9	7.2	7.6	6.8	7.3	8.1	6.9	6.8	7.1	7.55	7.33
Cond. (umho/cm)		520	860	980	900	1100	1080	1240	1100	1240	960	1000	1280	960	920	1020	920	820	1180	1180	1650	1180	1240	1040	820	1300
TDS																										
MAJOR IONS mg/l:																										
Alk-CaCO3		85					121	118								115						109		120	110	110
Bicarbonate (HCO3)		103					148	143								140						133		146	134	134
Calcium (Ca)		65.9					355	320								370						379		461	250	386
Carbonate (CO3)		-1					-1	-1								-1						-1		-1	-1	-1
Chloride (Cl)		17.6					67	43.6								47						54		73	40	75
Fluoride (F)		0.3					-1	0.1								0.2						0.1		0.1	0.2	0.1
Magnesium (Mg)		7.3					33	26.4								27.7						28.8		36.4	19.2	30
Nitrate-N (NO3)		-0.1					-0.1	-0.1								-0.1						-0.1		-0.1	-0.1	-0.1
Potassium (K)		5.2					6.3	5.6								5.3						5.6		5.3	4.2	5.7
Silica (SiO2)		8.5					13	11.1								12						13		12.6	13	11
Sodium (Na)		87.8					72	69.5								71.4						74.5		86.3	57.7	74.2
Sulfate (SO4)		303					908	839								912						932		1220	619	999
NON-METALS:																										
Cyanide (CN)		-0.005					-0.005	-0.005								-0.005						-0.005		-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:																										
Cond (umho/cm)		801					1800	1920								1790						1840		2290	1430	2180
pH	GPS (6.8)	7.76					7.89	7.86								7.34						7.82		7.8	8.05	8.29
TDS @ 180° C.	GPS (500)	534					1440	1570								1620						1530		2040	1120	1850
METALS-DISSOLVED mg/l:																										
Aluminum (Al)	GPS (1.8)	-0.1					-0.1	-0.1								-0.1						-0.1		-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	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
Beryllium (Be)	GPS (.01)	-0.01					-0.01	-0.01								-0.01						-0.01		-0.01	-0.01	-0.01
Boron (B)		-0.1					-0.1	-0.1								-0.1						-0.1		-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005					-0.005	-0.005								-0.0005						-0.0005		-0.0005	-0.0005	-0.0005
Chromium (Cr)	GPS (.05)	-0.01					-0.01	-0.01								-0.01						-0.01		-0.01	-0.01	-0.01
Cobalt (Co)		0.003					0.003	0.002								0.001						0.001		0.001	-0.001	0.002
Copper (Cu)		-0.01					-0.01	-0.01								-0.01						-0.01		-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05					-0.05	0.209								0.49						-0.01		0.36	-0.05	0.08
Lead (Pb)		-0.01					-0.01	-0.01								-0.01						-0.01		-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.08					0.34	0.36								0.31						0.28		0.33	0.14	0.34
Mercury (Hg)		0.0005					-0.0002	-0.0002								0.0003						-0.0002		-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01					-0.01	-0.01								-0.08						-0.01		-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01					-0.01	-0.01								0.01						-0.01		-0.01	0.01	0.02
Selenium (Se)	GPS (.01)	0.003					-0.001	-0.001								-0.001						0.002		0.001	-0.001	-0.001
Silver (Ag)		-0.01					-0.01	-0.01								-0.01						-0.01		-0.01	-0.01	-0.01
Thallium (Tl)		-0.01					-0.01	-0.01								-0.01						-0.01		-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1					-0.1	-0.1								-0.1						-0.1		-0.1	-0.1	-0.1
Zinc (ZN)		0.04					0.27	0.03								0.07						0.05		-0.01	-0.01	0.02
RADIOMETRIC pCi/l:																										
Uranium, natural	GPS (36)	110					39.8	37.9								24.4						19.9		32.5	13.7	33.9
Radium 226		1.6					2.5	3.1								2.5						2.7		4.4	6.6	3.8
Radium Precision +/-		0.3					0.3	0.6								0.7						0.6		0.9	1.1	0.7
Radium 228		-1					3.3	3.5								2.7						2.4		2.5	8.5	7
Radium Precision +/-							1.2	0.9								1.6						1.3		1.2	1.5	1.2
Combined Ra226/228	GPS (5.8)	1.6					5.8	6.6								5.2						5.1		6.9	15.1	10.8
Thorium 230	GPS (7.0)	-0.2					-0.2	-0.2								-0.2						-0.2		-0.2	-0.2	-0.2
Thorium Precision +/-																										
Lead (Pb210)	GPS (8.9)	-2.7					-2.7	-2.7								-1						-1		-1	-1	-1
Lead Precision +/-																										
Gross Alpha	GPS (15)	2.5					3.6	4								4.7						4.7		5.8	7.8	5.7
Gross Alpha Precision +/-		1					1.2	1.4								1.3						1.6		1.7	1.9	1.4
QUALITY ASSURANCE DATA:																										
TDS A/C Balance (dec. %)								1.14								1.07						0.99		1.04	1.05	1.12
ORGANICS mg/L:																										
Diesel Range Organics (DRO)	GPS 10 (3)	130	40	52	6.2	35	130	16	21	6.7	5.7	21	3.1	1.9	2.6	2.7	1.1	2.4	3.6	1.9	2	2.6	1.4	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	1.9	1.5	0.749	0.182		1.9	0.046		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																										
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	0.018	0.018	0.018
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	0.058	0.03	0.017	0.0046	0.0027	0.058	ND	0.0014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	0.015	ND	ND	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																										
(2) - WY Drinking Water Equivalent Level																										
(3) - WY VRP, Fact Sheet 12																										
(4) - EPA RBC - Tap Water																										
(LAB: Energy Labs Inc. unless noted.)																										

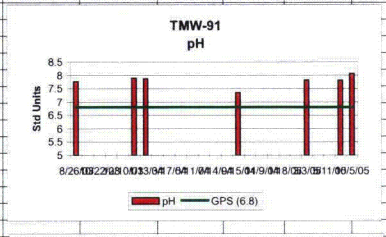
KENNECOTT URANIUM COMPANY

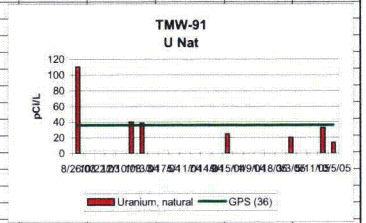
TMW-91

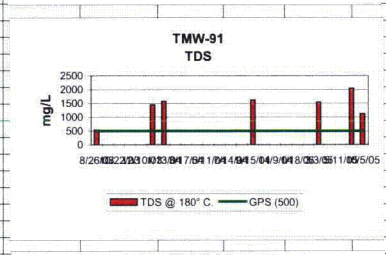
NORTHING: 148,518.38
EASTING: 323,956.86

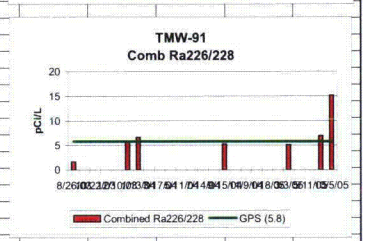
	Groundwater Protection Standard (GPS) as of 5/26/05
ND = Non-detectable	
FIELD DATA mg/l:	
Temperature (C)	
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Combined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
ORGANICS mg/L:	
Diesel Range Organics (DRO)	GPS 10 (3)
Gasoline Range Organics (GRO)	GPS 10 (3)
VOLATILE ORGANIC COMPOUNDS mg/L:	
Chloromethane	0.12
1,1-Dichloroethane	GPS 3 (2)
1,1-Dichloroethene	GPS 0.007 (1)
Naphthalene	GPS 1.3 (2)
Toluene	GPS 1 (1)
1,1,1-Trichloroethane	GPS 0.20 (1)
1,2,4-Trimethylbenzene	GPS 0.012 (4)
1,3,5-Trimethylbenzene	GPS 0.012 (4)
m+p Xylenes	GPS 10 (1)

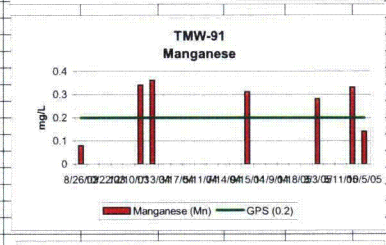
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

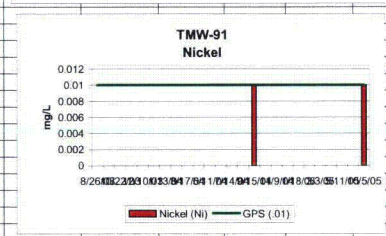


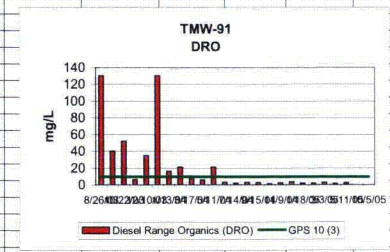










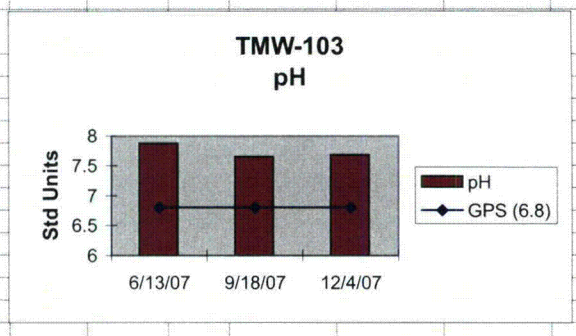


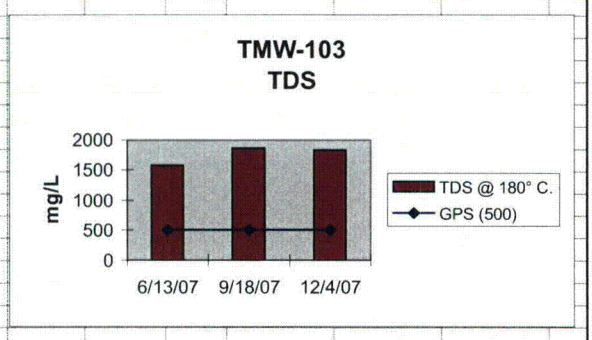
KENNECOTT URANIUM COMPANY

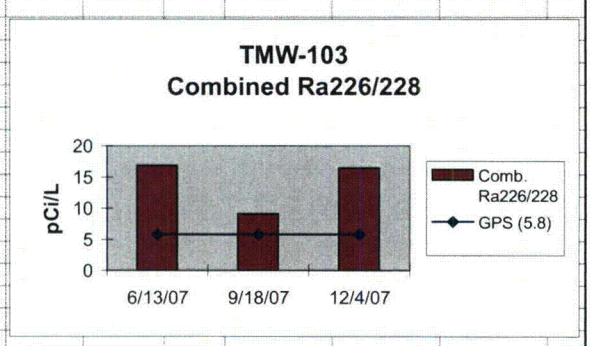
TMW-103

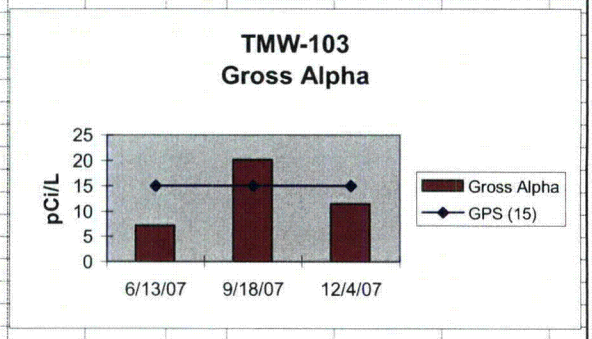
NORTHING: 149,144.44	Groundwater			
EASTING: 323,576.50	Protection	2007		
ND = Non-detectable	Standard	6/13/07	9/18/07	12/4/07
FIELD DATA mg/l:	**(GPS)**			
Temperature (C)		14	10.6	11.1
pH (Std. Units)		7.51	7.4	7.1
Cond. (umho/cm)		1804	1929	1935
TDS				
MAJOR IONS mg/l:				
Alk-CaCO3		48	40	38
Bicarbonate (HCO3)		59	48	46
Calcium (Ca)		330	406	379
Carbonate (CO3)		-1	-1	-1
Chloride (Cl)		79	86	92
Fluoride (F)		0.3	0.2	0.1
Magnesium (Mg)		26	32.1	30.6
Nitrate-N (NO3)		-0.1	-0.1	-0.1
Potassium (K)		5.6	5.5	5.9
Silica (SiO2)		8	11	11
Sodium (Na)		72.4	78.5	76.7
Sulfate (SO4)		968	1080	1040
NON-METALS:				
Cyanide (CN)		-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:				
Cond (umho/cm)		1920	2270	2150
pH	GPS (6.8)	7.87	7.65	7.68
TDS @ 180° C.	GPS (500)	1580	1860	1830
METALS-DISSOLVED mg/l:				
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.007	0.004	0.003
Barium (Ba)		-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01	-0.01
Boron (B)		-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01
Cobalt (Co)		0.002	-0.001	-0.001
Copper (Cu)		-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	-0.05	0.07
Lead (Pb)		-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.11	0.17	0.17
Mercury (Hg)		-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.003	0.001	0.001
Silver (Ag)		-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1	-0.1
Zinc (ZN)		-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:				
Uranium, natural	GPS (36)	25.6	9.5	8.8
Radium 226		6.8	9.1	7.5
Radium Precision +/-		0.9	1	1
Radium 228		10	-1	8.9
Radium Precision +/-		1.1		1.3
Comb. Ra226/228	GPS (5.8)	16.8	9.1	16.4
Thorium 230	GPS (7.0)	-0.2	-0.2	0.6
Thorium Precision +/-				0.3
Lead (Pb210)	GPS (8.9)	-1	-1	-1
Lead Precision +/-				
Gross Alpha	GPS (15)	7.2	20.1	11.5
Gross Alpha Precision +/-		0.9	1.5	1
QUALITY ASSURANCE DATA:				
TDS A/C Balance (dec. %)		1.04	1.08	1.11
ORGANICS mg/L:				
Diesel Range Organics (DRO)	GPS 10 (3)	ND		
Gasoline Range Organics (GRO)	GPS 10 (3)	ND		
VOLATILE ORGANIC COMPOUNDS mg/L:				
1,1-Dichloroethane	GPS 3 (2)	ND		
1,1-Dichloroethene	GPS 0.007 (1)	ND		
Naphthalene	GPS 1.3 (2)	ND		
Toluene	GPS 1 (1)	ND		
1,1,1-Trichloroethane	GPS 0.20 (1)	ND		
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND		
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND		
m+p Xylenes	GPS 10 (1)	ND		
Methyl ethyl ketone		ND		

(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)







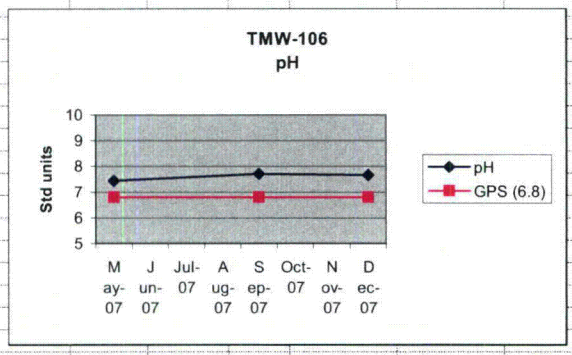


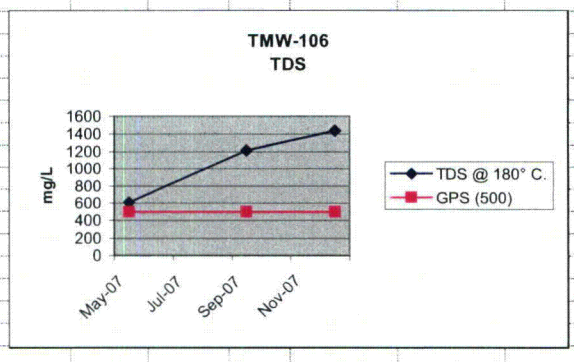
KENNECOTT URANIUM COMPANY

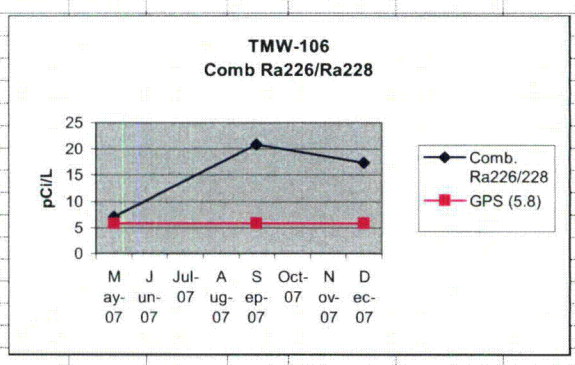
TMW-106

NORTHING: 149,120.47 EASTING: 323,577.53 ND = Non-detectable	Groundwater Protection Standard (GPS)	2007 5/23/07	9/18/07	12/4/07
FIELD DATA mg/l:				
Temperature (C)		9.9	10.6	11.1
pH (Std. Units)		7.59	7.6	7.2
Cond. (umho/cm)		820	1377	1605
TDS				
MAJOR IONS mg/l:				
Alk-CaCO3		92	64	49
Bicarbonate (HCO3)		112	78	59
Calcium (Ca)		131	269	306
Carbonate (CO3)		-1	-1	-1
Chloride (Cl)		24	59	86
Fluoride (F)		0.2	0.2	0.2
Magnesium (Mg)		9.1	21.7	24.5
Nitrate-N (NO3)		-0.1	-0.1	-0.1
Potassium (K)		3.5	4.4	5.3
Silica (SiO2)		13	12	12
Sodium (Na)		44.7	58.5	63.4
Sulfate (SO4)		321	689	838
NON-METALS:				
Cyanide (CN)		-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:				
Cond (umho/cm)		904	1640	1780
pH	GPS (6.8)	7.45	7.71	7.67
TDS @ 180° C.	GPS (500)	606	1210	1440
METALS-DISSOLVED mg/l:				
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.007	0.002	0.001
Barium (Ba)		-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01	-0.01
Boron (B)		-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01
Cobalt (Co)		-0.002	-0.002	-0.002
Copper (Cu)		-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	0.09	0.18
Lead (Pb)		-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.06	0.12	0.13
Mercury (Hg)		-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.001	-0.001	-0.001
Silver (Ag)		-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1	-0.1
Zinc (ZN)		-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:				
Uranium, natural	GPS (36)	7.5	8.1	9.3
Radium 226		1.7	6.6	6.7
Radium Precision +/-		0.5	0.8	0.9
Radium 228		5.3	14.3	10.7
Radium Precision +/-		1	1.1	1.3
Comb. Ra226/228	GPS (5.8)	7	20.9	17.4
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2
Thorium Precision +/-				
Lead (Pb210)	GPS (8.9)	-1	-1	-1
Lead Precision +/-				
Gross Alpha	GPS (15)	7.7	10.6	10.9
Gross Alpha Precision +/-		1.2	1.1	1
QUALITY ASSURANCE DATA:				
TDS A/C Balance (dec. %)		1.01	1.05	1.05
ORGANICS mg/L:				
Diesel Range Organics (DRO)	GPS 10 (3)	ND		
Gasoline Range Organics (GRO)	GPS 10 (3)	ND		
VOLATILE ORGANIC COMPOUNDS mg/L:				
1,1-Dichloroethane	GPS 3 (2)	ND		
1,1-Dichloroethene	GPS 0.007 (1)	ND		
Naphthalene	GPS 1.3 (2)	ND		
Toluene	GPS 1 (1)	ND		
1,1,1-Trichloroethane	GPS 0.20 (1)	ND		
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND		
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND		
m+p Xylenes	GPS 10 (1)	ND		
Methyl ethyl ketone		ND		

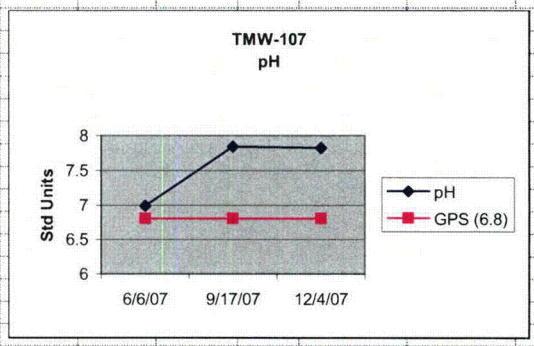
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

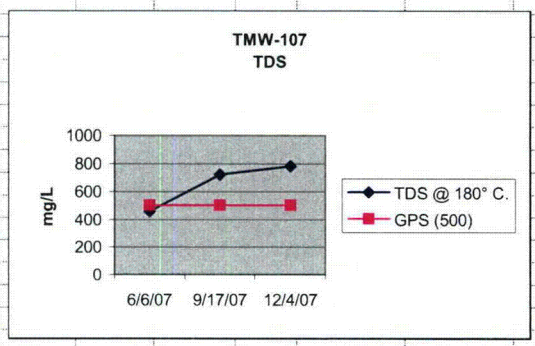


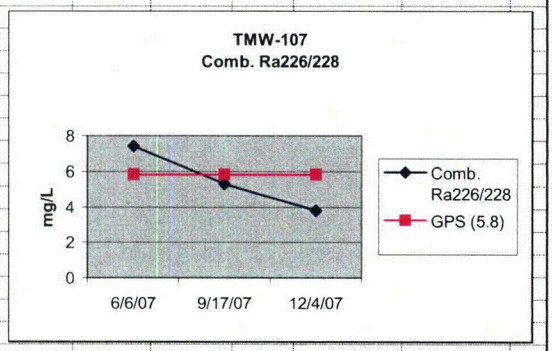




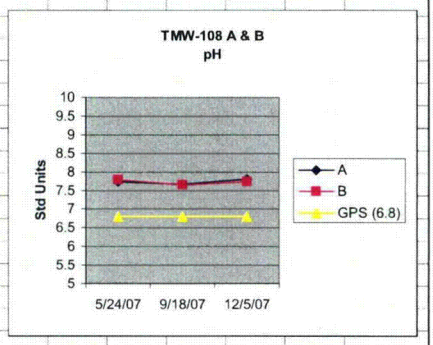
KENNECOTT URANIUM COMPANY				
TMW-107				
NORTHING: 148,109.87	Groundwater			
EASTING: 323,821.68	Protection	2007		
ND = Non-detectable	Standard	6/6/07	9/17/07	12/4/07
FIELD DATA mg/l:	**(GPS)**			
Temperature (C)		9.3	10.8	11.1
pH (Std. Units)		7.36	7.6	7.5
Cond. (umho/cm)		548	933	987
TDS				
MAJOR IONS mg/l:				
Alk-CaCO3		119	120	117
Bicarbonate (HCO3)		145	147	142
Calcium (Ca)		99.2	159	163
Carbonate (CO3)		-1	-1	-1
Chloride (Cl)		10	11	15
Fluoride (F)		0.2	0.2	0.1
Magnesium (Mg)		8.6	14.2	13.7
Nitrate-N (NO3)		-0.1	-0.1	-0.1
Potassium (K)		3.2	3.6	3.6
Silica (SiO2)		13	12	13
Sodium (Na)		39.4	44.7	41.7
Sulfate (SO4)		234	443	432
NON-METALS:				
Cyanide (CN)		-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:				
Cond (umho/cm)		704	1030	1070
pH	GPS (6.8)	6.99	7.84	7.82
TDS @ 180° C.	GPS (500)	460	722	784
METALS-DISSOLVED mg/l:				
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.003	0.011	0.011
Barium (Ba)		-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01	-0.01
Boron (B)		-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01
Cobalt (Co)		-0.001	-0.001	-0.001
Copper (Cu)		-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	-0.05	-0.05
Lead (Pb)		-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.06	0.11	0.11
Mercury (Hg)		-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	-0.001	-0.001	-0.001
Silver (Ag)		-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1	-0.1
Zinc (ZN)		-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:				
Uranium, natural	GPS (36)	6.4	11	10.4
Radium 226		2.2	1.7	2.6
Radium Precision +/-		0.5	0.4	0.6
Radium 228		5.2	3.6	4.3
Radium Precision +/-		1	0.9	1.2
Comb. Ra226/228	GPS (5.8)	7.4	5.3	3.8
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2
Thorium Precision +/-				
Lead (Pb210)	GPS (8.9)	-1	-1	-1
Lead Precision +/-				
Gross Alpha	GPS (15)	5.6	3.5	3.4
Gross Alpha Precision +/-		1.2	0.7	0.6
QUALITY ASSURANCE DATA:				
TDS A/C Balance (dec. %)		0.96	0.95	1.04
ORGANICS mg/L:				
Diesel Range Organics (DRO)	GPS 10 (3)	ND		
Gasoline Range Organics (GRO)	GPS 10 (3)	ND		
VOLATILE ORGANIC COMPOUNDS mg/L:				
1,1-Dichloroethane	GPS 3 (2)	ND		
1,1-Dichloroethene	GPS 0.007 (1)	ND		
Naphthalene	GPS 1.3 (2)	ND		
Toluene	GPS 1 (1)	ND		
1,1,1-Trichloroethane	GPS 0.20 (1)	ND		
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND		
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND		
m+p Xylenes	GPS 10 (1)	ND		
Methyl ethyl ketone		ND		
(1) - EPA MCL				
(2) - WY Drinking Water Equivalent Level				
(3) - WY VRP, Fact Sheet 12				
(4) - EPA RBC - Tap Water				
(LAB: Energy Labs Inc. unless noted.)				

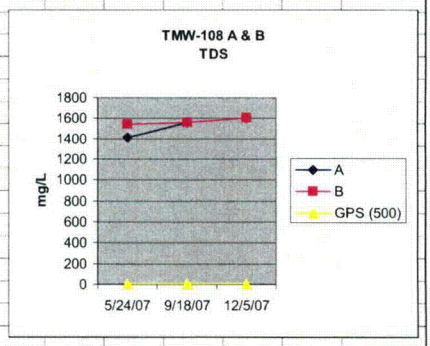


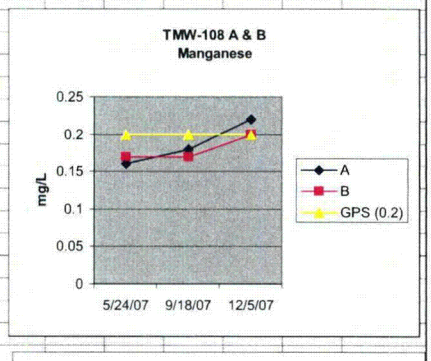


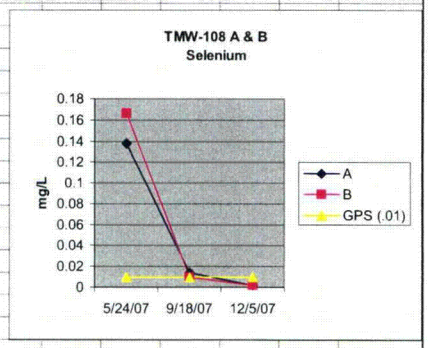


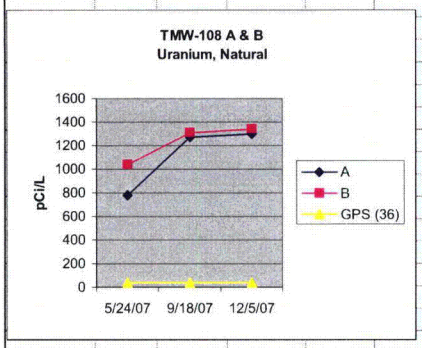
KENNECOTT URANIUM COMPANY		112'					
TMW-108		**A**	**A**	**A**	**B**	**B**	**B**
NORTHING: 148,581.98 EASTING: 323,850.81	Groundwater Protection	2007					
ND = Non-detectable	Standard	5/24/07	9/18/07	12/5/07	5/24/07	9/18/07	12/5/07
FIELD DATA mg/l:	**(GPS)**						
Temperature (C)		9.8	10.4	7	9.5	10.7	8
pH (Std. Units)		7.49	7.4	7.5	7.25	7.4	7.4
Cond. (umho/cm)		1686	1711	2000	1787	1726	1737
TDS							
MAJOR IONS mg/l:							
Alk-CaCO3		98	106	103	99	105	104
Bicarbonate (HCO3)		120	129	126	121	129	127
Calcium (Ca)		291	321	311	316	314	308
Carbonate (CO3)		-1	-1	-1	-1	-1	-1
Chloride (Cl)		69	66	76	73	64	74
Fluoride (F)		0.1	0.1	0.1	0.2	0.1	0.1
Magnesium (Mg)		26	37.4	33	29.4	36.6	34.5
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		5.4	5.3	5.5	5.8	5.2	5.6
Silica (SiO2)		10	10	11	10	10	11
Sodium (Na)		79.9	86.3	73.2	86.5	83.8	77.7
Sulfate (SO4)		747	979	876	838	961	865
NON-METALS:							
Cyanide (CN)		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:							
Cond (umho/cm)		1810	2030	1920	1930	2020	1950
pH	GPS (6.8)	7.74	7.67	7.81	7.79	7.65	7.73
TDS @ 180° C.	GPS (500)	1410	1560	1600	1540	1560	1600
METALS-DISSOLVED mg/l:							
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.005	0.005	0.005	0.005	0.005	0.005
Barium (Ba)		-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
Boron (B)		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		-0.002	0.001	0.002	0.002	0.001	0.002
Copper (Cu)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	0.09	0.17	0.35	-0.05	0.15	0.32
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.16	0.18	0.22	0.17	0.17	0.2
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		0.01	-0.01	-0.01	0.02	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.138	0.014	0.002	0.166	0.01	0.002
Silver (Ag)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:							
Uranium, natural	GPS (36)	778	1270	1300	1040	1310	1340
Radium 226		5.6	2.1	2.8	4.6	2.8	2.2
Radium Precision +/-		0.8	0.5	0.6	0.7	0.5	0.5
Radium 228		13.2	22.6	19.3	11	8.1	11
Radium Precision +/-		1.1	1.2	1.5	1.1	1	1.3
Comb. Ra226/228	GPS (5.8)	18.8	24.7	22.1	15.7	10.9	13.2
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-							
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1	-1
Lead Precision +/-							
Gross Alpha	GPS (15)	12.6	6.9	5.7	16.9	6.9	6
Gross Alpha Precision +/-		1.5	0.9	0.7	1.7	0.9	0.7
QUALITY ASSURANCE DATA:							
TDS A/C Balance (dec. %)		1.09	0.99	1.1	1.08	1.01	1.11
ORGANICS mg/L:							
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:							
Chloromethane	0.12	ND	ND	ND	ND	ND	ND
Chloroform		ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	0.001	ND	0.001	0.0011
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND
Methylene chloride		ND	0.0014	0.0016	0.0012	0.0015	0.0018
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND
(1) - EPA MCL							
(2) - WY Drinking Water Equivalent Level							
(3) - WY VRP, Fact Sheet 12							
(4) - EPA RBC - Tap Water							
(LAB: Energy Labs Inc. unless noted.)							

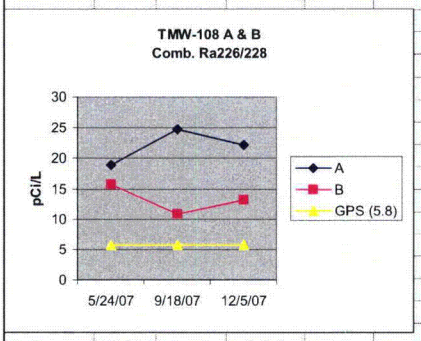


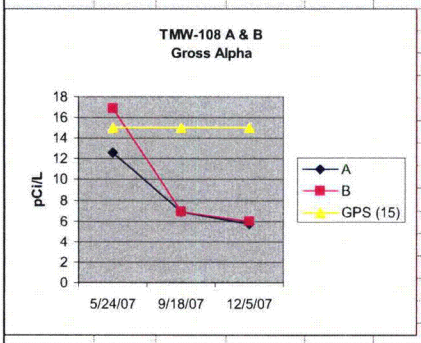







TMW-108 A & B
Uranium, Natural
pCi/L
1600
1400
1200
1000
800
600
400
200
0
5/24/07
9/18/07
12/5/07
A
B
GPS (36)


TMW-108 A & B
Comb. Ra226/228
pCi/L
30
25
20
15
10
5
0
5/24/07
9/18/07
12/5/07
A
B
GPS (5.8)

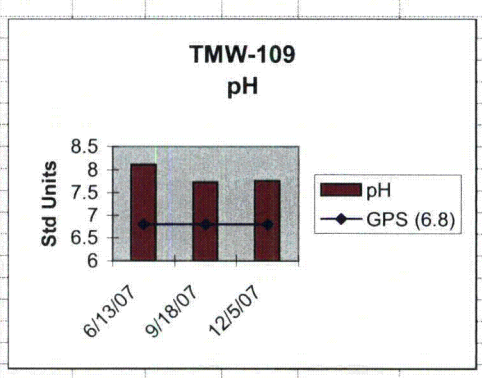

TMW-108 A & B
Gross Alpha
pCi/L
18
16
14
12
10
8
6
4
2
0
5/24/07
9/18/07
12/5/07
A
B
GPS (15)

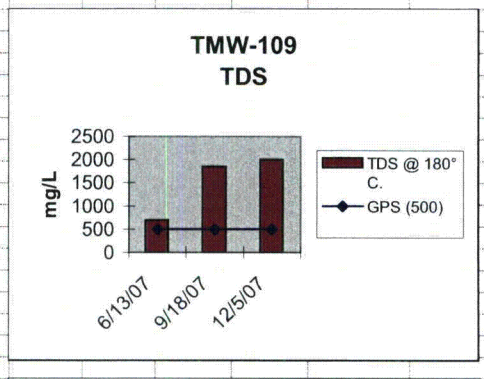
KENNECOTT URANIUM COMPANY

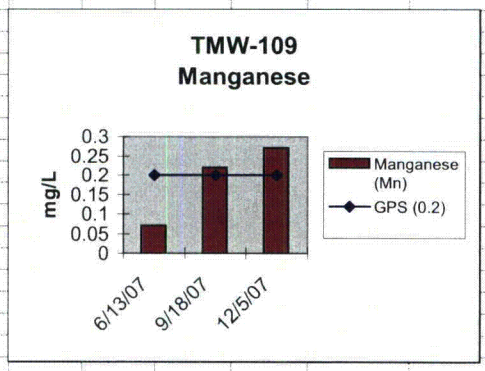
TMW-109

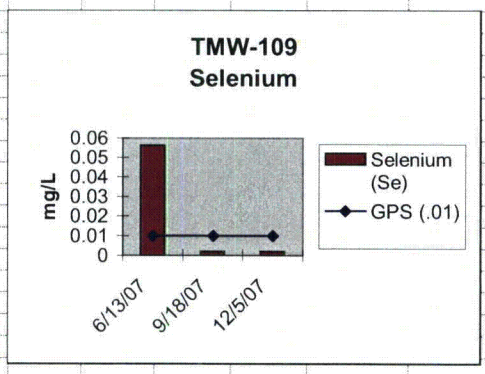
NORTHING: 148,563.38 EASTING: 323,851.83 ND = Non-detectable	Groundwater Protection Standard (GPS)	2007 6/13/07	9/18/07	12/5/07
FIELD DATA mg/l:				
Temperature (C)		16.5	12.2	8
pH (Std. Units)		7.65	7.4	7.4
Cond. (umho/cm)		1008	1982	2420
TDS				
MAJOR IONS mg/l:				
Alk-CaCO3		86	125	118
Bicarbonate (HCO3)		105	152	143
Calcium (Ca)		109	345	370
Carbonate (CO3)		-1	-1	-1
Chloride (Cl)		20	76	93
Fluoride (F)		0.2	0.1	-0.1
Magnesium (Mg)		15.2	57.8	53.9
Nitrate-N (NO3)		0.4	-0.1	-0.1
Potassium (K)		5.4	6.2	6.6
Silica (SiO2)		5	6	7
Sodium (Na)		64.2	110	98.2
Sulfate (SO4)		380	1040	1110
NON-METALS:				
Cyanide (CN)		-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:				
Cond (umho/cm)		1010	2330	2350
pH	GPS (6.8)	8.1	7.73	7.76
TDS @ 180° C.	GPS (500)	694	1850	2000
METALS-DISSOLVED mg/l:				
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.003	0.019	0.024
Barium (Ba)		-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01	-0.01
Boron (B)		-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01
Cobalt (Co)		0.001	0.005	0.006
Copper (Cu)		-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	-0.05	0.29
Lead (Pb)		-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.07	0.22	0.27
Mercury (Hg)		-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	0.01	0.01
Selenium (Se)	GPS (.01)	0.056	0.002	0.002
Silver (Ag)		-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1	-0.1
Zinc (ZN)		-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:				
Uranium, natural	GPS (36)	452	1840	1640
Radium 226		2	3.5	4.3
Radium Precision +/-		0.5	0.6	0.8
Radium 228		2.2	12.6	11.7
Radium Precision +/-		0.9	1.1	1.4
Comb. Ra226/228	GPS (5.8)	4.2	16.1	16
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2
Thorium Precision +/-				
Lead (Pb210)	GPS (8.9)	-1	-1	-1
Lead Precision +/-				
Gross Alpha	GPS (15)	3.9	9.3	9.4
Gross Alpha Precision +/-		0.7	1	0.9
QUALITY ASSURANCE DATA:				
TDS A/C Balance (dec. %)		1.06	1.08	1.1
ORGANICS mg/L:				
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND
Gasoline Range Organics (GRC	GPS 10 (3)	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:				
1,1-Dichloroethane	GPS 3 (2)	ND	0.0015	2.3
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND
Methylene chloride		ND	0.0024	3.3
Naphthalene	GPS 1.3 (2)	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND
Methyl ethyl ketone		ND	ND	ND

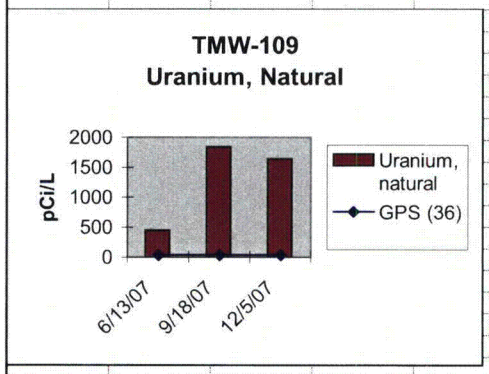
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

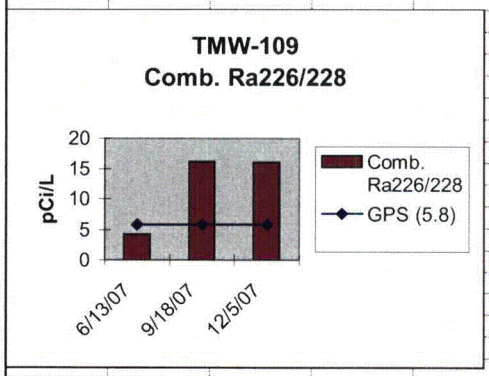









TMW-109
Uranium, Natural
pCi/L
2000
1500
1000
500
0
6/13/07
9/18/07
12/5/07
Uranium, natural
GPS (36)

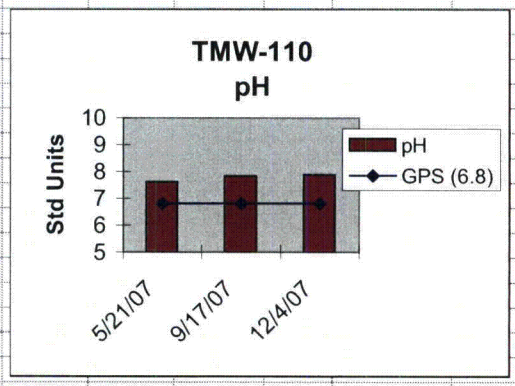

TMW-109
Comb. Ra226/228
pCi/L
20
15
10
5
0
6/13/07
9/18/07
12/5/07
Comb. Ra226/228
GPS (5.8)

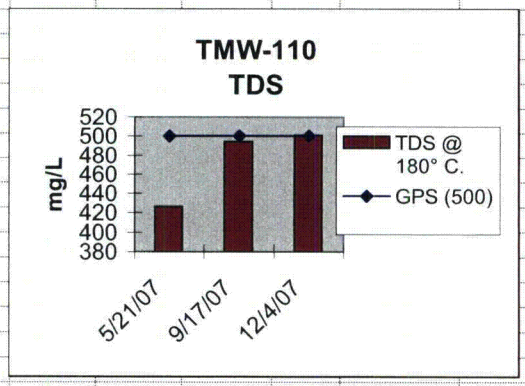
KENNECOTT URANIUM COMPANY

TMW-110

NORTHING: 148,088.65 EASTING: 323,625.57 ND = Non-detectable	Groundwater Protection Standard (GPS)	2007 5/21/07	9/17/07	12/4/07
FIELD DATA mg/l:				
Temperature (C)		10.7	10.5	11.1
pH (Std. Units)		7.84	7.6	7.6
Cond. (umho/cm)		640	669	679
TDS				
MAJOR IONS mg/l:				
Alk-CaCO3		106	114	116
Bicarbonate (HCO3)		129	140	141
Calcium (Ca)		89.3	104	103
Carbonate (CO3)		-1	-1	-1
Chloride (Cl)		8	9	17
Fluoride (F)		0.2	0.2	0.2
Magnesium (Mg)		6.7	7.6	7
Nitrate-N (NO3)		-0.1	-0.1	-0.1
Potassium (K)		3.5	3.2	3.1
Silica (SiO2)		10	13	14
Sodium (Na)		44	42.4	38.2
Sulfate (SO4)		212	270	247
NON-METALS:				
Cyanide (CN)		-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:				
Cond (umho/cm)		675	728	751
pH	GPS (6.8)	7.63	7.83	7.89
TDS @ 180° C.	GPS (500)	426	494	501
METALS-DISSOLVED mg/l:				
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.007	0.004	0.005
Barium (Ba)		-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01	-0.01
Boron (B)		-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01
Cobalt (Co)		0.001	-0.001	-0.001
Copper (Cu)		-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	-0.05	0.07
Lead (Pb)		-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.04	0.08	0.08
Mercury (Hg)		-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.002	-0.001	-0.001
Silver (Ag)		-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1	-0.1
Zinc (ZN)		-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:				
Uranium, natural	GPS (36)	23.2	6.7	9.2
Radium 226		1.3	1.9	1.5
Radium Precision +/-		0.4	0.4	0.4
Radium 228		1.6	2.6	2.7
Radium Precision +/-		0.9	0.9	1.2
Comb. Ra226/228	GPS (5.8)	2.9	4.5	4.2
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2
Thorium Precision +/-				
Lead (Pb210)	GPS (8.9)	-1	-1	-1
Lead Precision +/-				
Gross Alpha	GPS (15)	3.6	3.6	3.6
Gross Alpha Precision +/-		0.9	0.7	0.6
QUALITY ASSURANCE DATA:				
TDS A/C Balance (dec. %)		0.97	0.95	1
ORGANICS mg/L:				
Diesel Range Organics (DRO)	GPS 10 (3)	ND		
Gasoline Range Organics (GRO)	GPS 10 (3)	ND		
VOLATILE ORGANIC COMPOUNDS mg/L:				
All ND		ND		

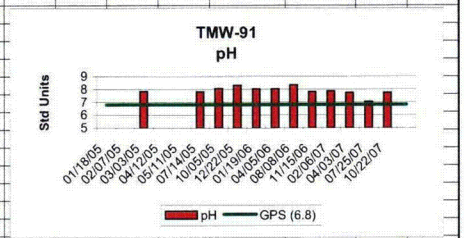
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

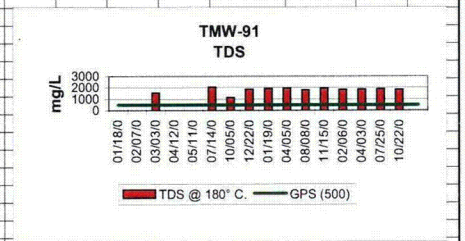


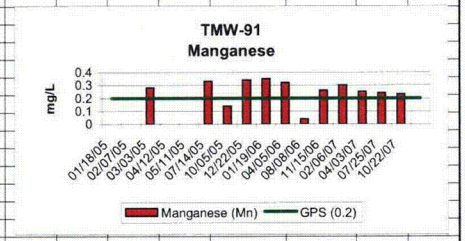


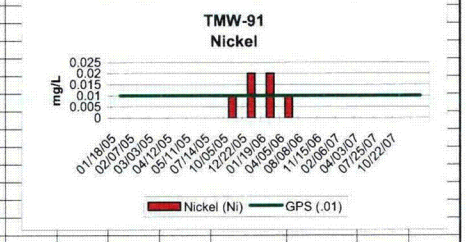
KENNECOTT URANIUM COMPANY																								
TMW-90																								
NORTHING: 148,611.42 EASTING: 323,958.91	2003				2004										Pump was down; re-started			2005						
ND = Non-detectable	08/26/03	09/08/03	09/15/03	10/14/03	01/19/04	02/11/04	03/17/04	04/06/04	05/01/04	06/10/04	07/13/04	08/05/04	09/20/04	10/12/04	11/04/04	12/07/04	12/08/04	01/19/05	02/09/05	03/16/05	04/11/05	05/10/05	07/18/05	10/05/05
FIELD DATA mg/l:																								
Temperature (C)	8	8	8	8	18	12	10	21		23	33	27	26	27	14	12		11	14	12	18	21	32	12.7
pH (Std. Units)	5.6	5.8	5.8	4.8	6.1	5.8	4.3	5.4		5	5.1	4.9	4.6	4.8	5.9	4.9		3.7	3.7	5.5	5.2	5	3.9	4.69
Cond. (umho/cm)	940	1080	1080	1000	880	1220	780	840		1000	580	700	700	680	840	N/A		1080	100	360	1080	1100	760	780
TDS									Pump															
MAJOR IONS mg/l:									down;															
Alk-CaCO3	40			2	3			6.2	pipe in		3			3				4			4		1	2
Bicarbonate (HCO3)	48.8			2.4	3.7			7.6	hole.		4			4				5			4		2	3
Calcium (Ca)	196			207	195			179			118			150				144			191		183	257
Carbonate (CO3)	-1			-1	-1			-1			-1			-1				-1			-1		-1	-1
Chloride (Cl)	33.14			47.5	45.1			36.3			26			30				28			35		29	43
Fluoride (F)	0.2			0.4	0.3			0.2			0.2			0.2				0.2			0.2		0.2	0.2
Magnesium (Mg)	28			33.9	32.4			29			20			25.2				23			32.7		30	37.9
Nitrate-N (NO3)	6.8			-0.1	-0.1			-0.1			-0.1			-0.1				-0.1			-0.1		-0.1	-0.1
Potassium (K)	49.8			5.1	5.7			5.5			4			5.9				4.9			5.8		4.8	5.5
Silica (SiO2)	55.6			54.8	45.6			44.9			43			44				50			34		50	38
Sodium (Na)	733			52.2	52.3			48.4			40			43				42.7			54.1		55.1	67.9
Sulfate (SO4)	-0.1			861	767			662			476			522				529			756		671	904
NON-METALS:																								
Cyanide (CN)	-0.005			-0.005	-0.005			-0.005			-0.005			-0.005				-0.005			-0.005		-0.005	-0.005
PHYSICAL PROPERTIES:																								
Cond (umho/cm)	1400			1670	1510			1320			950			1180				1140			1540		1350	1730
pH	6.04			4.69	4.96			6.22			4.82			5.14				4.73			5.43		4.68	5
TDS @ 180° C.	1140			1350	1190			996			809			887				918			1180		1080	1410
METALS-DISSOLVED mg/l:																								
Aluminum (Al)	0.2			2.2	0.1			-0.1			-0.1			0.1				1.1			0.1		0.4	0.3
Arsenic (As)	-0.001	-0.5		-0.002	-0.001			0.001			-0.001			-0.001				-0.001			0.002		-0.001	-0.001
Barium (Ba)	-0.1	-10		-0.1	-0.1			-0.1			-0.1			-0.1				-0.1			-0.1		-0.1	-0.1
Beryllium (Be)	-0.01			-0.01	-0.01			-0.01			-0.01			-0.01				-0.01			-0.01		-0.01	-0.01
Boron (B)	0.16			0.15	0.12			0.11			0.1			0.1				0.1			-0.1		-0.1	-0.1
Cadmium (Cd)	-0.005	-0.1		0.006	-0.005			-0.005			-0.005			-0.005				-0.005			-0.005		-0.005	-0.005
Chromium (Cr)	-0.01	-0.5		-0.01	-0.01			-0.01			-0.01			-0.01				-0.01			-0.01		-0.01	-0.01
Cobalt (Co)	0.06			0.087	0.071			0.059			0.04			0.005				0.036			0.071		0.067	0.091
Copper (Cu)	-0.01			0.03	0.03			-0.01			-0.01			-0.01				-0.01			-0.01		0.04	0.03
Iron (Fe)	28.4			49	29.1			25.1			15.1			17.4				36.5			16.7		19.3	13.6
Lead (Pb)	-0.01	-0.5		0.02	-0.01			-0.01			-0.03			-0.01				0.01			-0.01		-0.01	-0.01
Manganese (Mn)	1.33			1.49	1.2			1.17			0.83			1				0.65			1.52		1.3	1.62
Mercury (Hg)	-0.0002	-0.02		-0.0004	-0.0002			-0.0002			-0.0002			-0.0002				-0.0002			-0.0002		-0.0002	-0.0002
Molybdenum (Mo)	-0.01			-0.01	-0.01			-0.01			-0.08			-0.01				-0.01			-0.01		-0.01	-0.01
Nickel (Ni)	0.07			0.12	0.09			0.09			0.05			0.07				0.05			0.09		0.09	0.11
Selenium (Se)	0.013	-0.1		0.01	0.009			0.007			0.006			0.006				0.005			0.007		0.006	0.005
Silver (Ag)	-0.01	-0.5		-0.01	-0.01			-0.01			-0.01			-0.01				-0.01			-0.01		-0.01	-0.01
Thallium (Tl)	-0.01			-0.01	-0.01			-0.01			-0.01			-0.01				-0.01			-0.01		-0.01	-0.01
Vanadium (V2O5)	-0.1			-0.1	-0.1			-0.1			-0.1			-0.1				-0.1			-0.1		-0.1	-0.1
Zinc (ZN)	0.65			0.67	0.66			0.26			0.27			0.34				0.77			0.43		0.036	0.46
RADIOMETRIC pCi/l:																								
Uranium, natural	162			240	126			27.8			40.4			42.2				157			52.4		364	138
Radium 226	23			10.8	15.2			13.7			11.5			9.4				14.8			11.4		10	11.8
Radium Precision +/-	1.6			0.7	1.3			1.2			0.6			1				1.3			1.2		1.7	1.4
Radium 228	5.6			11.3	3.4			15.6			7.5			8.9				2.5			14.8		10.3	16.7
Radium Precision +/-	1.7			2.1	1.5			1.8			1.1			1.5				1.4			1.2		1.5	1.7
Comb. Ra226/228	28.6			22.1	18.6			29.3			19			18.3				17.3			26.2		20.3	28.5
Thorium 230	-0.2			-0.2	-0.2			-0.2			-0.2			-0.2				3.7			-0.2		-0.2	-0.2
Thorium Precision +/-																		1						
Lead (Pb210)	-2.7			-2.7	-2.7			-1			-1			-1				-1			-1		-1	-1
Lead Precision +/-																								
Gross Alpha	22.1			12.1	22.2			14.8			10.4			10.8				15.7			12.5		17	13.1
Gross Alpha Precision +/-	2.2			1.1	1.5			1.1			1			1				1.5			1.2		2.8	2.5
QUALITY ASSURANCE DATA:																								
TDS A/C Balance (dec. %)	0.98			1.12	1.08			1.03			1.11			1.08				1			1.06		1.06	1.04
ORGANICS mg/L:																								
Diesel Range Organics (DRO)		11	13	45	1500	13	11	94		320	43	13	9	12	12	*		41000	737000	17	14	9.3	11	13
Gasoline Range Organics (GRO)		0.132	0.117	0.105	0.093	105	0.058	0.129		0.056	0.08	0.036	0.05	ND	ND	ND		0.131	ND	0.923	0.087	0.045	ND	0.044
VOLATILE ORGANIC COMPOUNDS mg/L:																								
1,1-Dichloroethane		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		0.001	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		0.03	ND	ND	ND	ND	ND	ND
Naphthalene		0.021	0.025	0.035	0.067	0.028	0.0026	0.034		0.0019	0.0028	ND	ND	ND	ND	ND		ND	0.034	0.0031	ND	ND	ND	ND
Toluene		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane		ND	ND	0.0028	ND	ND	0.0025	0.0055		0.0011	0.0016	ND	ND	ND	0.0018	ND		0.023	0.025	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene		ND	ND	ND	ND	ND	ND	0.0037		ND	ND	ND	ND	ND	ND	ND		0.0011	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene		ND	ND	ND	ND	ND	ND	0.0011		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
m+p Xylenes		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																								
(2) - WY Drinking Water Equivalent Level														* Total Extractable Hydrocarbons = 87.1%										
(3) - WY VRP, Fact Sheet 12																								
(4) - EPA RBC - Tap Water																								
(LAB: Energy Labs Inc. unless noted.)																								

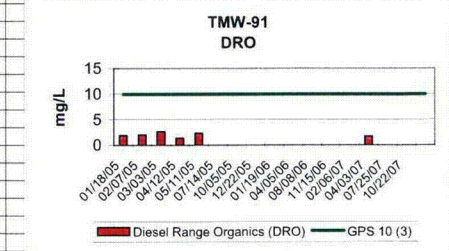
KENNECOTT UR[redacted]PANY																	
TMW-91																	
NORTHING: 148,518.38 EASTING: 323,956.86	Groundwater Protection	2005								2006				2007			
ND = Non-detectable	Standard	01/18/05	02/07/05	03/03/05	04/12/05	05/11/05	07/14/05	10/05/05	12/22/05	01/19/06	04/05/06	08/08/06	11/15/06	02/06/07	04/03/07	07/25/07	10/22/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	12	10	8	11		20	12.7	7.8	8.4	10.8	24.9	6.7	9.6	9	12.1	8.8
pH (Std. Units)		7.3	8.1	6.9	6.8		7.1	7.55	7.33	7.49	7.61	8.4	7.26	7.6	7.42	7.6	7.4
Cond. (umho/cm)		1180	1650	1180	1240		1040	820	1300	1160	1060	2340	2280	1963	1946	233	1862
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3				109			120	110	110	108	106	36	110	98	110	117	119
Bicarbonate (HCO3)				133			146	134	134	131	129	44	134	119	134	142	145
Calcium (Ca)				379			461	250	386	395	451	360	412	428	367	412	427
Carbonate (CO3)				-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)				54			73	40	75	67	72	64	62	69	60	67	60
Fluoride (F)				0.1			0.1	0.2	0.1	-0.1	0.1	0.1	0.1	0.1	0.2	-0.1	-0.1
Magnesium (Mg)				28.8			36.4	19.2	30	32.5	37.5	33.1	32	32.8	28.7	30.8	30.8
Nitrate-N (NO3)				-0.1			-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)				5.6			5.3	4.2	5.7	5.5	5.4	6.2	5.6	6	5.6	6	5.6
Silica (SiO2)				13			12.6	13	11	9	10	7	9	9	9	11	10
Sodium (Na)				74.5			86.3	57.7	74.2	74.6	76.6	70.1	76.7	79.9	68.5	75.9	75.7
Sulfate (SO4)				932			1220	619	999	1040	1130	976	1040	1130	925	1020	1060
NON-METALS:																	
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
PHYSICAL PROPERTIES:																	
Cond (umho/cm)				1840			2290	1430	2180	2200	2200	2190	2240	2120	2210	2200	2130
pH	GPS (6.8)			7.82			7.8	8.05	8.29	8.01	8.03	8.33	7.8	7.85	7.72	7.03	7.73
TDS @ 180° C.	GPS (500)			1530			2040	1120	1850	1900	1920	1780	1910	1820	1830	1860	1820
METALS-DISSOLVED mg/l:																	
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
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
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
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
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
Cadmium (Cd)	GPS (.01)			-0.0005			-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.005	-0.0005	-0.0005	-0.0005	-0.0005
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
Cobalt (Co)				0.001			0.001	-0.001	0.002	0.001	0.001	-0.001	-0.001	-0.001	0.001	-0.001	0.001
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
Iron (Fe)	GPS (0.6)			-0.01			0.36	-0.05	0.08	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)			0.28			0.33	0.14	0.34	0.35	0.32	0.04	0.26	0.3	0.25	0.24	0.23
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
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
Nickel (Ni)	GPS (.01)			-0.01			-0.01	0.01	0.02	0.02	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)			0.002			0.001	-0.001	-0.001	0.002	0.002	-0.002	0.002	0.001	0.0002	0.0002	0.002
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
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
Vanadium (V2O5)				-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)				0.05			-0.01	-0.01	0.02	0.02	0.01	-0.01	0.07	0.03	0.23	0.12	0.17
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)			19.9			32.5	13.7	33.9	39.6	42.2	73.5	63.4	41.3	41.6	45.4	42
Radium 226				2.7			4.4	6.6	3.8	2.7	3.1	3.7	7.9	4.3	3.8	4	2.4
Radium Precision +/-				0.6			0.9	1.1	0.7	0.8	0.6	0.7	1	0.7	0.7	0.6	0.5
Radium 228				2.4			2.5	8.5	7	7.4	-1	7.7	8.4	6.9	5.8	7.3	8.4
Radium Precision +/-				1.3			1.2	1.5	1.2	1.7		0.9	1.2	1.3	0.9	0.9	1.3
Combined Ra226/228	GPS (5.8)			5.1			6.9	15.1	10.8	10.1	3.1	11.4	16.3	11.2	9.6	11.3	10.8
Thorium 230	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
Thorium Precision +/-																	
Lead (Pb210)	GPS (8.9)			-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																	
Gross Alpha	GPS (15)			4.7			5.8	7.8	5.7	3.6	4.3	4.6	7.1	4.3	4.5	4.4	6.2
Gross Alpha Precision +/-				1.6			1.7	1.9	1.4	1.1	1.1	1.3	0.7	0.8	0.8	0.7	1.3
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)				0.99			1.04	1.05	1.12	1.12	1.04	1.16	1.12	1.02	1.2	1.1	1.04
ORGANICS mg/L:																	
Diesel Range Organics (DRO)	GPS 10 (3)	1.9	2	2.6	1.4	2.3	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																	
Chloromethane	0.12	ND	ND	0.0024	ND	ND	0.018	0.018	0.018	0.0047	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																	
(2) - WY Drinking Water Equivalent Level																	
(3) - WY VRP, Fact Sheet 12																	
(4) - EPA RBC - Tap Water																	
(LAB: Energy Labs Inc. unless noted.)																	











KENNECOTT URANIUM COMPANY

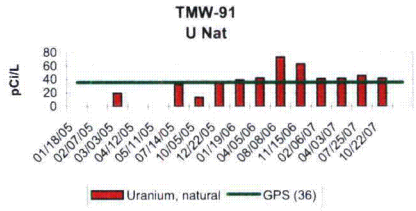
TMW-91

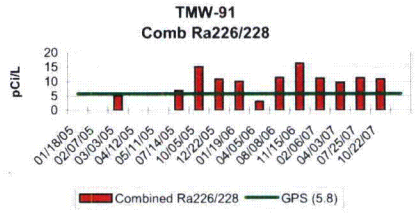
NORTHING: 148,518.38 EASTING: 323,956.86

ND = Non-detectable

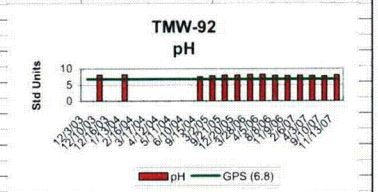
	Groundwater Protection Standard (GPS) as of 5/26/05
FIELD DATA mg/l:	
Temperature (C)	
[illegible]d. Units)	
[illegible]umho/cm)	
[illegible]OR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
[illegible]ium Precision +/-	
[illegible]m 228	
[illegible]m Precision +/-	
[illegible]bined Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
ORGANICS mg/L:	
Diesel Range Organics (DRO)	GPS 10 (3)
Gasoline Range Organics (GRO)	GPS 10 (3)
VOLATILE ORGANIC COMPOUNDS mg/L:	
Chloromethane	0.12
1,1-Dichloroethane	GPS 3 (2)
1,1-Dichloroethene	GPS 0.007 (1)
Naphthalene	GPS 1.3 (2)
Toluene	GPS 1 (1)
1,1,1-Trichloroethane	GPS 0.20 (1)
1,2,4-Trimethylbenzene	GPS 0.012 (4)
1,3,5-Trimethylbenzene	GPS 0.012 (4)
m+p Xylenes	GPS 10 (1)

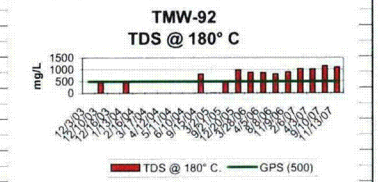
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

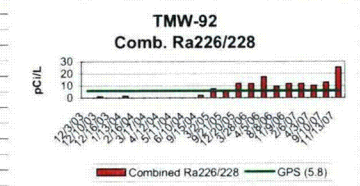




KENNECOTT URANIUM COMPANY																						
TMW-92																						
NORTHING: 148,504.47 EASTING:	Groundwater											2005			2006				2007			
323,951.33	Protection	2003			2004																	
ND = Non-detectable	Standard	12/3/03	12/10/03	12/16/03	1/13/04	2/16/04	3/17/04	4/12/04	5/11/04	6/10/04	9/15/04	3/2/05	9/21/05	12/20/05	3/28/06	4/5/06	8/8/06	11/9/06	2/6/07	4/3/07	9/10/07	11/13/07
FIELD DATA mg/l:	(GPS)																					
Temperature (C)	as of 5/26/05		8		8	8	8	9	10	10	10	12	8.4	8.6	10.4	11.3	15.4	8.5	9.9	9	10.9	9.5
pH (Std. Units)			7.5		8.6	7.8	7.3	7.4	7.8	7.1	7.1	6.9	7.49	7.39	7.58	7.71	7.54	7.23	7.18	7.54	7.5	7.5
Cond. (umho/cm)			640		640	640	600	660	900	860	720	700	440	940	820	730	1050	1129	1262	1203	1365	1303
TDS																						
MAJOR IONS mg/l:																						
Alk-CaCO3			87		68						103	101	108	100	106	106	98	98	88	100	100	103
Bicarbonate (HCO3)			106		83						126	123	132	122	130	129	120	120	107	122	122	125
Calcium (Ca)			99.3		65.3						176	170	105	216	192	194	168	189	238	227	266	240
Carbonate (CO3)			-1		-1						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)			9.3		15						22	21	11	26	31	23	24	24	31	29	33	36
Fluoride (F)			0.2		0.2						0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
Magnesium (Mg)			8		6.9						12.4	11.7	7.3	15.3	14.1	13.6	11.7	13.4	16.9	14.8	19.1	15.9
Nitrate-N (NO3)			-0.1		0.14						-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)			13.7		15.4						4	4.6	3	4.3	15.6	5.7	4.9	3.9	4.4	4.7	4.4	4.8
Silica (SiO2)			13.1		10.8						12	12	13	13	14	14	12	12	13	14	13	13
Sodium (Na)			49.1		65.5						49.1	47	38.7	54.6	49.4	49.2	49.6	49.6	56	51.8	59.3	55.3
Sulfate (SO4)			275		252						434	403	256	536	482	470	426	483	641	563	699	642
NON-METALS:																						
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
PHYSICAL PROPERTIES:																						
Cond (umho/cm)			736		738						1020	1050	758	1270	1190	1130	1120	1240	1360	1340	1520	1580
pH	GPS (6.8)		8.06		8.16						7.53	7.82	7.98	7.94	8.16	8.22	7.87	7.8	7.9	7.76	7.66	7.95
TDS @ 180° C.	GPS (500)		493		491						805	7.46	496	974	876	858	808	886	1030	1010	1150	1100
METALS-DISSOLVED mg/l:																						
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
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
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
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
Boron (B)			-0.1		-0.1						-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	1.1	-0.1	-0.1	-0.1	-0.1
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
Chromium (Cr)	GPS (.05)		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
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
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
Iron (Fe)	GPS (0.6)		-0.05		-0.05						0.13	0.15	-0.05	0.08	0.13	-0.05	-0.05	1.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)		0.03		0.01						0.11	0.11	0.07	0.14	0.12	0.11	0.1	0.12	0.13	0.13	0.16	0.13
Mercury (Hg)			-0.0002		0.001						0.0003	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
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
Selenium (Se)	GPS (.01)		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
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
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
Vanadium (V2O5)			-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	0.02	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																						
Uranium, natural	GPS (36)		9.9		32.5						7.1	5.1	3.5	5.6	5.2	4.9	3.2	5.2	5.9	5.6	5.4	5.1
Radium 226			0.9		1.6						2	2.6	2.4	2.6	3.8	2.1	2.8	3.6	3.2	2.2	4.4	3.9
Radium Precision +/-			0.3		0.5						0.7	0.6	0.6	0.6	0.6	0.5	0.6	0.8	0.6	0.5	0.6	0.8
Radium 228			-1		-1						-1	4.7	2.9	9.3	7.9	15.2	6.6	8.1	8.4	7.8	8.3	21.4
Radium Precision +/-												1	0.9	1.3	0.9	1.2	0.8	1.2	1.3	0.9	0.9	1.7
Combined Ra226/228	GPS (5.8)		0.9		1.6						2	7.3	5.4	11.9	11.7	17.3	9.4	11.7	11.6	10	12.7	25.3
Thorium 230	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
Thorium Precision +/-																						
Lead (Pb210)	GPS (8.9)		-2.7		-2.7						-1	-1	-1	-1	-1	-1	-1	-1	0.95	-1	-1	2.3
Lead Precision +/-																						1
Gross Alpha	GPS (15)		1.5		-1						3.8	5.6	3.4	5.4	2.7	2.3	3.3	3.4	3.4	4.7	7.3	3.9
Gross Alpha Precision +/-			1								1.2	1.1	1.4	1.2	1.1	0.9	1.1	0.6	1.4	0.8	1	1.1
QUALITY ASSURANCE DATA:																						
TDS A/C Balance (dec. %)			0.98		1.06						1.04	1.02	1	1.05	1.02	1.03	1.07	1.06	1	1.05	1	1.03
ORGANICS mg/L:																						
Diesel Range Organics (DRO)	GPS 10 (3)	3.8	ND	ND	ND	1.3	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND		ND		ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																						
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND				0.014	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	0.0035	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	0.0014	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p-Xylenes	GPS 10 (1)	ND	0.0012	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
(1) - EPA MCL																						
(2) - WY Drinking Water Equivalent Level																						
(3) - WY VRP, Fact Sheet 12																						
(4) - EPA RBC - Tap Water																						
(LAB: Energy Labs Inc. unless noted.)																						





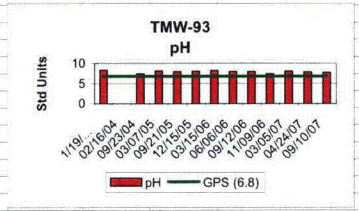


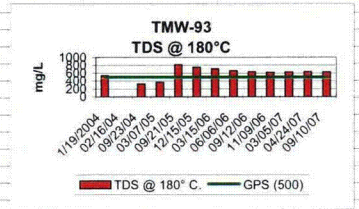
KENNECOTT URANIUM COMPANY

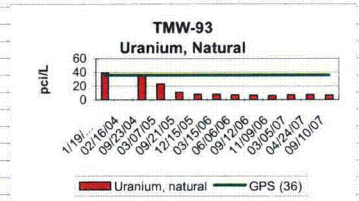
TMW-93

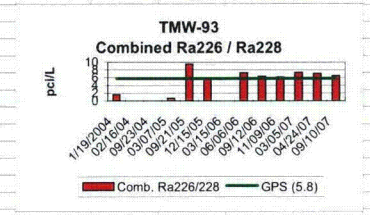
NORTHING: 148,399.92 EASTING: 324,099.96	Groundwater Protection Standard	2004			2005			2006				2007			
ND = Non-detectable		1/19/2004	02/16/04	09/23/04	03/07/05	09/21/05	12/15/05	03/15/06	06/06/06	09/12/06	11/09/06	03/05/07	04/24/07	09/10/07	11/19/07
FIELD DATA mg/l:	(GPS)														
Temperature (C)	as of 5/26/05	8	8	9	11	9.4	11.9	9.2	12.7	10.9	7.1	10.8	9.1	10	10.3
pH (Std. Units)		9.3	8.4	7.3	7.4	7.51	7.54	7.54	7.54	7.3	7.49	7.78	7.49	7.4	7.6
Cond. (umho/cm)		700	400	440	440	580	690	630	843	868	842	876	858	840	812
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		69		97	115	130	128	132	132	132	129	123	124	143	142
Bicarbonate (HCO3)		84.2		119	140	158	156	161	161	160	157	150	151	175	174
Calcium (Ca)		73.6		52.1	67.8	183	172	163	150	145	136	142	138	148	140
Carbonate (CO3)		-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		23.2		6	5	18	14	16	15	13	12	14	13	13	13
Fluoride (F)		0.3		0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1
Magnesium (Mg)		7.6		5.1	5.9	14.6	14.5	13.3	12.6	10.9	10.3	11.1	10.9	11.4	10.5
Nitrate-N (NO3)		-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
Potassium (K)		7.7		3.5	2.5	3.6	3.6	3.5	4	3.3	3.4	3.8	3.5	3.6	3.6
Silica (SiO2)		11		10	10	13	14	13	14	13	13	13	13	14	13
Sodium (Na)		84.1		49.3	42.4	48.3	48.8	50.1	47	46.7	45.1	47.2	45.2	47.6	46.4
Sulfate (SO4)		325		137	162	462	418	372	359	342	313	347	328	338	327
NON-METALS:															
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
PHYSICAL PROPERTIES:															
Cond (umho/cm)		798		498	562	1140	1060	981	946	974	931	914	905	912	1150
pH	GPS (6.8)	8.27		7.4	8.08	7.96	8.06	8.15	7.91	7.91	7.43	7.99	7.85	7.68	7.61
TDS @ 180° C.	GPS (500)	537		321	368	816	753	708	656	634	620	626	634	626	611
METALS-DISSOLVED mg/l:															
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
Arsenic (As)	GPS (.05)	0.006		0.005	0.003	-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
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
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
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
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
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
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
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	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.02		0.01	-0.01	0.11	0.11	0.1	0.09	0.1	0.08	0.09	0.08	0.08	0.07
Mercury (Hg)		0.0015		0.0009	0.0003	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
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
Selenium (Se)	GPS (.01)	0.004		-0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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		0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	38.8		34.4	23.2	11	8	8.3	7.1	6.8	6.3	7.1	7.5	6.8	6.5
Radium 226		1.6		-0.2	0.7	3.5	2.3	-0.2	2.2	1.8	2.7	2.1	2.4	1.8	2.2
Radium Precision +/-		0.5			0.3	0.7	0.7		0.5	0.5	0.7	0.5	0.6	0.4	0.5
Radium 228		-1		-1	-1	6	3.6	-1	5	4.5	3.5	5.2	4.7	4.7	7.3
Radium Precision +/-						1	1.1		1.1	0.9	1.1	1.1	1	0.9	1.1
Comb. Ra226/228	GPS (5.8)	1.6		0	0.7	9.5	5.9	0	7.2	6.3	6.2	7.3	7.1	6.5	9.5
Thorium 230	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
Thorium Precision +/-															
Lead (Pb210)	GPS (8.9)	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1.5
Lead Precision +/-															1.3
Gross Alpha	GPS (15)	2.5		-1	-1	4.8	1.5	2.6	2.9	2.2	1.9	2.3	2.8	3.1	1.8
Gross Alpha Precision +/-		1				1.6	1.3	1.2	1	0.5	0.5	0.5	0.6	0.7	0.6
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		0.95		1	1.01	1	0.99	1	0.96	0.97	1.01	1	1.01	1	0.96
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND					ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND	ND				0.0057	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND

(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)







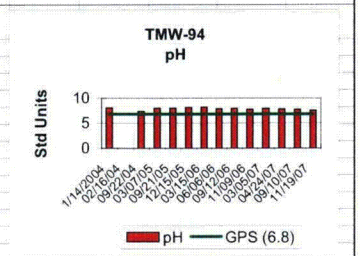


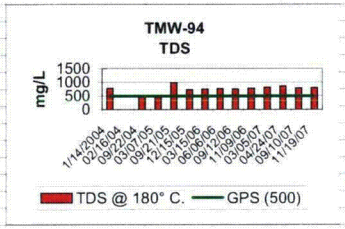
KENNECOTT URANIUM COMPANY

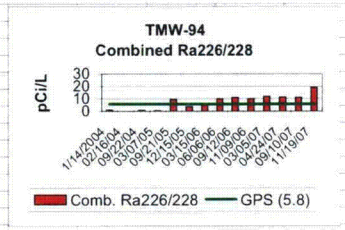
TMW-94

NORTHING: 148,400.13 EASTING: 324,000.02	Groundwater Protection Standard (GPS)	2004			2005			2006				2007			
ND = Non-detectable		1/14/2004	02/16/04	09/22/04	03/07/05	09/21/05	12/15/05	03/15/06	06/06/06	09/12/06	11/09/06	03/05/07	04/24/07	09/10/07	11/19/07
FIELD DATA mg/l:															
Temperature (C)	as of 5/26/05	8	8	10	8	9.6	10.7	10.8	11.8	11.7	8	10.6	10	11	9.9
pH (Std. Units)		8.5	8	7.3	7.1	7.56	7.61	7.49	7.41	7.32	7.39	7.74	7.51	7.6	7.6
Cond. (umho/cm)		960	520	460	520	680	680	660	1050	1022	1028	1087	1080	1025	1001
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		98		113	110	115	130	138	136	130	128	130	126	142	141
Bicarbonate (HCO3)		120		138	135	140	159	168	165	158	157	159	154	174	172
Calcium (Ca)		132		48	72.7	212	172	175	174	179	170	187	185	189	184
Carbonate (CO3)		-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		17.6		10	11	21	16	16	18	21	16	19	18	17	18
Fluoride (F)		0.2		0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.1
Magnesium (Mg)		10.2		5.9	7.6	15.1	12.5	12.2	12.7	11.9	11.6	13.5	13.1	13	12.6
Nitrate-N (NO3)		-0.1		-0.1	-0.1	-0.1	19	-0.1	-0.1	-0.1	-0.1	0.2	-0.1	-0.1	-0.1
Potassium (K)		5.8		4.2	4.1	3.9	3.8	3.6	4.3	4.3	3.8	4.2	4	4.1	4
Silica (SiO2)		10.2		11	13	14	15	15	15	14.3	14	15	14	16	15
Sodium (Na)		85.9		93.9	69.1	56.5	49.2	52.8	51.3	49.8	49.8	52.8	50.9	53.8	52.9
Sulfate (SO4)		444		202	215	565	400	395	429	439	407	474	454	461	455
NON-METALS:															
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
PHYSICAL PROPERTIES:															
Cond (umho/cm)		789		668	668	1310	1020	1030	1060	1140	1120	1130	1150	1120	921
pH	GPS (6.8)	8.09		7.34	8.01	8	8.15	8.16	7.89	7.92	7.77	7.93	7.82	7.71	7.55
TDS @ 180° C.	GPS (500)	774		459	443	986	726	750	760	752	774	810	854	786	801
METALS-DISSOLVED mg/l:															
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
Arsenic (As)	GPS (.05)	0.006		0.002	0.002	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
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
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
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
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
Cobalt (Co)		0.003		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	0.052		-0.05	-0.05	-0.05	-0.05	-0.05	0.09	-0.03	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.07		-0.01	-0.01	0.14	0.11	0.1	0.11	0.12	0.12	0.13	0.12	0.12	0.11
Mercury (Hg)		0.0019		0.0014	0.0003	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		0.02		0.03	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
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
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
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
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
Vanadium (V2O5)		-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		0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.08	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	27.8		18.2	15.8	8.1	7	6.1	6.6	4.8	4.7	5.2	5.8	4.3	4.4
Radium 226		1		0.6	0.5	3.9	1.9	3.3	2.7	2.3	3.8	3.8	2.4	3	2.7
Radium Precision +/-		0.7		0.3	0.3	0.7	0.6	1.3	0.5	0.5	0.8	0.7	0.6	0.5	0.5
Radium 228		-1		-1	-1	5.2	1.7	2.6	7.4	8.7	6.2	7.9	8.9	8.1	16.4
Radium Precision +/-						1	1.1	0.9	1.1	1	1.1	1.2	1.1	1	1.3
Comb. Ra226/228	GPS (5.8)	1		0.6	0.5	9.1	3.6	5.9	10.1	11	10	11.7	11.3	11.1	19.1
Thorium 230	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
Thorium Precision +/-															
Lead (Pb210)	GPS (8.9)	-2.7		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2.6
Lead Precision +/-															1.5
Gross Alpha	GPS (15)	7		-1	1.4	5.4	1.8	3.5	3.7	3	3.9	4.2	3.6	5.8	2.4
Gross Alpha Precision +/-		1			1.2	1.7	1.3	1.3	1.1	0.6	0.7	0.7	0.6	0.9	0.7
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		1.02		1.04	0.97	1.03	0.87	1	0.97	0.94	1.03	0.96	1.05	0.94	0.97
ORGANICS m/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND					ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND	ND				0.011	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND				ND	ND	ND	ND	ND	ND	ND	ND	ND

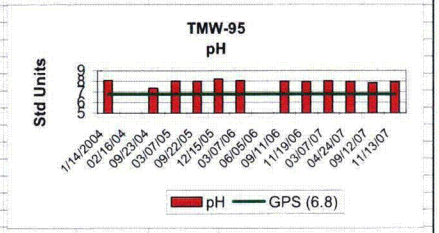
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

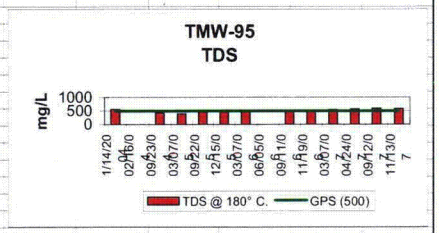


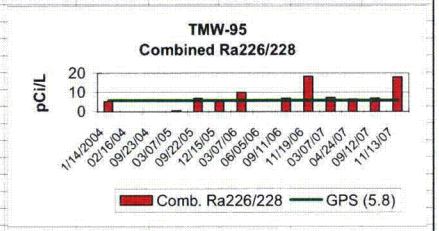




KENNECOTT URANIUM COMPANY															
TMW-95															
NORTHING: 148,399.94 EASTING: 323,900.08	Groundwater Protection	2004			2005			2006				2007			
ND = Non-detectable	Standard	1/14/2004	02/16/04	09/23/04	03/07/05	09/22/05	12/15/05	03/07/06	06/05/06	09/11/06	11/19/06	03/07/07	04/24/07	09/12/07	11/13/07
FIELD DATA mg/l:	(GPS)														
Temperature (C)	as of 5/26/05	8	8	8	9	9	8.9	9.4	14.7	11.4	8.9	8.7	9.6	10.9	9.7
pH (Std. Units)		8.8	8	7.3	7.4	7.21	7.29	7.9	7.75	7.49	7.33	7.75	7.87	7.6	7.6
Cond. (umho/cm)		760	580	460	440	420	500	540	739	727	773	787	770	803	797
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		149		109	105	115	112	122		120	121	125	121	131	135
Bicarbonate (HCO3)		182		133	128	140	137	149		146	148	152	148	160	165
Calcium (Ca)		99.4		66.1	69.8	95.8	114	111		119	121	124	120	132	122
Carbonate (CO3)		-1		-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1
Chloride (Cl)		10.1		11	7	11	9	10		11	10	12	11	12	13
Fluoride (F)		0.2		0.2	0.2	0.1	0.2	0.2		0.1	0.7	0.2	0.2	0.2	0.1
Magnesium (Mg)		7.1		6.6	6.6	5.8	7	6.4		6.9	7.1	7.4	7.1	8	6.6
Nitrate-N (NO3)		0.14		-0.1	-0.1	-0.1	-0.1	-0.1		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		5.3		3.6	3.3	2.8	3.2	3		3.2	3.2	3.5	3.3	3.5	3.8
Silica (SiO2)		15.2		14	14	14	15	14		14	14	14	14	14	15
Sodium (Na)		59.7		69.4	53.4	39.1	41	42.4		44	42.9	45.3	43.5	45.6	45
Sulfate (SO4)		278		200	184	221	252	243		275	271	290	274	307	289
NON-METALS:															
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
PHYSICAL PROPERTIES:															
Cond (umho/cm)		1080		635	598	706	731	731		826	822	798	821	860	913
pH	GPS (6.8)	8.09		7.36	8.03	8	8.2	8.06		7.99	7.96	8.01	7.95	7.85	7.94
TDS @ 180° C.	GPS (500)	552		428	390	458	493	475		508	534	542	566	584	572
METALS-DISSOLVED mg/l:															
Aluminum (Al)	GPS (1.8)	-0.1		0.2	-0.1	-0.1	-0.1	-0.1		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.001		0.002	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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.056		-0.05	-0.05	-0.05	-0.05	-0.05		-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	0.04		-0.01	-0.01	0.06	0.06	0.06		0.07	0.07	0.07	0.07	0.07	0.07
Mercury (Hg)		0.0008		0.0005	-0.0002	-0.0002	-0.0002	-0.0002		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
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
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
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
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
Vanadium (V2O5)		-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	0.02	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	6		10.8	9	2.2	1.7	1.9		1.9	2.1	2.1	2.3	1.9	1.9
Radium 226		1.4		-0.2	0.5	2.8	2.2	3.6		2.4	7	3.3	2.6	3.3	3.7
Radium Precision +/-		0.5			0.3	0.6	0.6	0.7		0.6	0.9	0.6	0.6	0.6	0.7
Radium 228		3.9		-1	-1	4.2	3.8	6.4		4.6	11.2	3.9	3.9	3.7	14.2
Radium Precision +/-		1.2				0.9	1.1	1		0.9	1.1	1.1	1	0.8	1.6
Comb. Ra226/228	GPS (5.8)	5.3		0	0.5	7	6	10		7	18.2	7.2	6.5	7	17.9
Thorium 230	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	-0.02
Thorium Precision +/-															
Lead (Pb210)	GPS (8.9)	-2.7		-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1
Lead Precision +/-															
Gross Alpha	GPS (15)	1.5		1	1.6	4.3	2.1	5		2	3	3.7	3.6	6.3	3.4
Gross Alpha Precision +/-		1		1	1.2	1.5	1.3	1.4		0.5	0.7	0.6	0.6	0.9	1.1
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		1.01		0.98	0.97	1	0.97	0.94		0.93	0.99	0.95	1.04	0.97	0.99
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND					ND	ND		ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND				ND	ND		ND	ND	ND	ND	ND	ND
(1) - EPA MCL															
(2) - WY Drinking Water Equivalent Level															
(3) - WY VRP, Fact Sheet 12															
(4) - EPA RBC - Tap Water															
(LAB: Energy Labs Inc. unless noted.)															

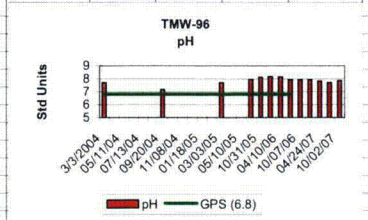


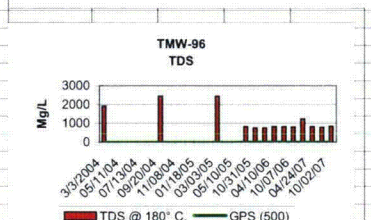


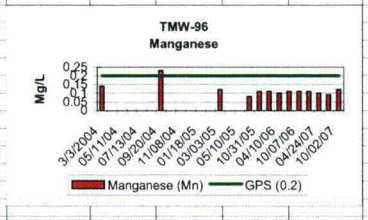


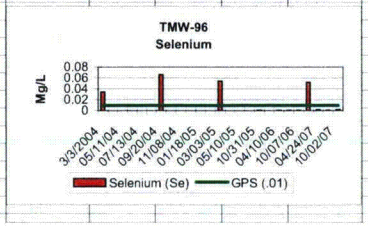
KENNECOTT UP[illegible]MPANY																								
TMW-96																								
NORTHING: 148,500.[illegible] EASTING: 323,807.75	Groundwater Protection	2004										2005							2006					20[illegible]
ND = Non-detectable	Standard	3/3/2004	04/13/04	05/11/04	06/10/04	07/13/04	08/05/04	09/20/04	10/20/04	11/08/04	12/07/04	01/18/05	02/07/05	03/03/05	04/12/05	05/10/05	07/18/05	10/31/05	01/23/06	04/10/06	07/03/06	10/07/06	03/28/07	04/24/07
FIELD DATA mg/l:	(GPS)																							
Temperature (C)	as of 5/26/05	8	10	12	10	14	12	10	10	11	10	11	13	11	12	11	11		8.7	9.1	14.3	10.6		8.8
pH (Std. Units)		7.6	6.6	7.5	6.8	7.3	6.8	7.1	6.7	7.4	6.8	6.9	7.8	6.6	6.7	6.9	7.7		7.35	7.96	7.69	7.69		7.46
Cond. (umho/cm)		1360	1440	1800	1400	1020	1280	1140	1180	980	1100	2200	2400	1460	1580	1560	560		760	720	1051	1049		1062
TDS																								
MAJOR IONS mg/l:																								
Alk-CaCO3		144						151						148			117	113	112	112	110	113	118	118
Bicarbonate (HCO3)		176						184						180			142	138	137	137	134	137	143	144
Calcium (Ca)		374						485						516			186	175	168	183	183	187	274	182
Carbonate (CO3)		-1						ND						-1			-1	-1	-1	-1	-1		-1	-1
Chloride (Cl)		95						167						145			28	26	24	27	33	25	52	26
Fluoride (F)		0.1						0.1						0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Magnesium (Mg)		65.4						72.5						71.6			14.5	12.4	11.9	12.6	11.7	12.8	25.9	13.4
Nitrate-N (NO3)		1.77						1.27						1.2			-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.5	-0.1
Potassium (K)		5.4						7.5						6.2			3.7	3.7	3.5	3.5	3.8	3.6	6.8	4
Silica (SiO2)		8.2						11						11			14	14	14	15	15	14	12	14
Sodium (Na)		103						118						129			50.1	46.6	47	48.2	50.6	51.4	66.9	51.4
Sulfate (SO4)		1060						1340						1360			429	417	417	446	460	443	718	445
NON-METALS:																								
Cyanide (CN)		-0.005						ND						-0.005			-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:																								
Cond (umho/cm)		2330						2850						2770			1100	1100	1060	1090	1130	1110	1640	1130
pH	GPS (6.8)	7.68						7.17						7.68			7.93	8.1	8.16	8.14	7.92	7.9	7.91	7.82
TDS @ 180° C.	GPS (500)	1910						2430						2430			818	754	757	814	828	806	1230	820
METALS-DISSOLVED mg/l:																								
Aluminum (Al)	GPS (1.8)	-0.1						ND						ND			-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.002						0.002						0.001			0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Barium (Ba)		-0.1						ND						ND			-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01						ND						ND			-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Boron (B)		-0.1						ND						ND			-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005						ND						ND			-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01						ND						ND			-0.01	-0.01	-0.01	-0.1	-0.1	-0.1	-0.1	-0.1
Cobalt (Co)		0.007						0.002						0.002			-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Copper (Cu)		-0.01						ND						ND			-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05						0.12						ND			0.07	-0.05	ND	-0.05	0.14	ND	0.08	ND
Lead (Pb)		-0.01						ND						ND			-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.14						0.23						0.12			0.08	0.11	0.11	0.1	0.11	0.11	0.11	0.1
Mercury (Hg)		-0.0002						ND						ND			-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01						ND						ND			-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	0.01						ND						0.01			-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.034						0.066						0.054			-0.001	0.001	-0.001	0.001	0.001	0.001	0.052	0.002
Silver (Ag)		-0.01						ND						ND			-0.01	-0.01	-0.01	-0.0002	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)		-0.01						ND						ND			-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1						ND						ND			-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Zinc (ZN)		0.01						0.01						ND			-0.01	-0.01	-0.01	-0.01	-0.01	0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																								
Uranium, natural	GPS (36)	572						760						683			45.6	20.4	15.3	20.5	15.6	16.6	187	34.5
Radium 226		5.5						6.6						4.4			3.8	3.5	2.3	2.4	1.7	3	4.7	2.4
Radium Precision +/-		0.8						0.8						0.7			0.8	0.7	0.9	0.6	0.4	0.6	0.7	0.6
Radium 228		-1						9.4						8			5.1	4.3	5.4	6	4.9	9.7	11.1	8.3
Radium Precision +/-								1.6						1.5			1.3	1.3	1.3	1	0.8	1.2	1.1	1.1
Combined Ra226/228	GPS (5.8)	5.5						16						12.4			8.9	7.8	7.7	8.4	6.6	12.7	15.8	10.5
Thorium 230	GPS (7.0)	-0.2						ND						ND			-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-																								
Lead (Pb210)	GPS (8.9)	-1						ND						ND			-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																								
Gross Alpha	GPS (15)	8.1						4.9						7.9			3.2	4.7	4	5.4	2.5	4.6	8.1	4.5
Gross Alpha Precision +/-		1.3						1.3						1			1.4	1.5	1.2	1.2	1.1	0.8	1.2	0.7
QUALITY ASSURANCE DATA:																								
TDS A/C Balance (dec. %)		1.07						1.06						1.04			1.03	0.99	1.01	1.01	1.01	1	1	1.02
ORGANICS mg/L:																								
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																								
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	ND	-	ND	ND	ND
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0018	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	0.0022	0.0021	0.0011	0.0016	0.0016	0.0019	0.0015	0.0015	0.0016	0.0016	0.0019	0.0018	0.0014	0.0015	ND	ND	0.015	ND	-	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	0.001	0.0011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	0.006	0.014	0.015	0.0046	0.0063	0.0072	0.0058	0.0063	0.0066	0.0077	0.0062	0.0064	0.005	0.0057	0.0063	ND	ND	ND	ND	-	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
(1) - EPA MCL																								
(2) - WY Drinking Water Equivalent Level																								
(3) - WY VRP, Fact Sheet 12																								
(4) - EPA RBC - Tap Water																								
(LAB: Energy Labs Inc. unless noted.)																								

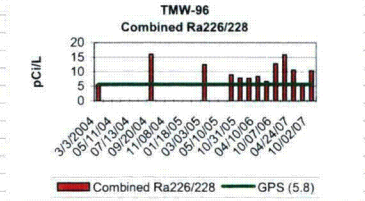
KENNECOTT UF[illegible]IPANY			
TMW-96			
NORTHING: 148,50[illegible] [illegible]ASTING: 323,807.75	Groundwater Protection		
ND = Non-detectable	Standard	07/25/07	10/02/07
FIELD DATA mg/l:	(GPS)		
Temperature (C)	as of 5/26/05	13.3	9.5
pH (Std. Units)		7.6	7.7
Cond. (umho/cm)		1084	999
TDS			
MAJOR IONS mg/l:			
Alk-CaCO3		122	121
Bicarbonate (HCO3)		149	147
Calcium (Ca)		143	167
Carbonate (CO3)		-1	-1
Chloride (Cl)		27	30
Fluoride (F)		0.1	0.1
Magnesium (Mg)		9.5	11.5
Nitrate-N (NO3)		-0.1	-0.1
Potassium (K)		3	4.2
Silica (SiO2)		12	15
Sodium (Na)		38.8	49.6
Sulfate (SO4)		343	430
NON-METALS:			
Cyanide (CN)		-0.005	-0.005
PHYSICAL PROPERTIES:			
Cond (umho/cm)		1140	1170
pH	GPS (6.8)	7.69	7.84
TDS @ 180° C.	GPS (500)	782	832
METALS-DISSOLVED mg/l:			
Aluminum (Al)	GPS (1.8)	-0.1	-0.1
Arsenic (As)	GPS (.05)	-0.001	-0.001
Barium (Ba)		-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01
Boron (B)		-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.1	-0.1
Cobalt (Co)		-0.001	-0.001
Copper (Cu)		-0.01	-0.01
Iron (Fe)	GPS (0.6)	0.09	
Lead (Pb)		-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.09	0.12
Mercury (Hg)		-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.001	0.002
Silver (Ag)		-0.01	-0.01
Thallium (Tl)		-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1
Zinc (ZN)		-0.01	-0.01
RADIOMETRIC pCi/l:			
Uranium, natural	GPS (36)	15.8	26
Radium 226		1.6	2.4
Radium Precision +/-		0.3	0.5
Radium 228		3.8	7.9
Radium Precision +/-		0.9	0.9
Combined Ra226/228	GPS (5.8)	5.4	10.3
Thorium 230	GPS (7.0)	-0.2	-0.2
Thorium Precision +/-			
Lead (Pb210)	GPS (8.9)	-1	-1
Lead Precision +/-			
Gross Alpha	GPS (15)	4	6.7
Gross Alpha Precision +/-		0.6	1.1
QUALITY ASSURANCE DATA:			
TDS A/C Balance (dec. %)		1.2	1.07
ORGANICS mg/L:			
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:			
Bromomethane		ND	ND
Chloromethane	0.12	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND
Toluene	GPS 1 (1)	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND
(1) - EPA MCL			
(2) - WY Drinking Water Equivalent Level			
(3) - WY VRP, Fact Sheet 12			
(4) - EPA RBC - Tap Water			
(LAB: Energy Labs Inc. unless noted.)			

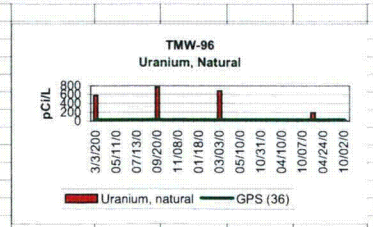










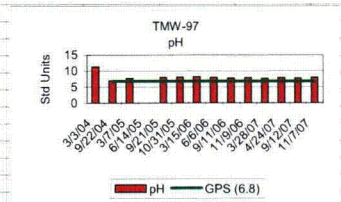


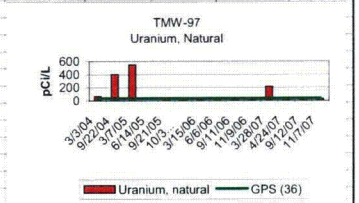
KENNECOTT URANIUM COMPANY

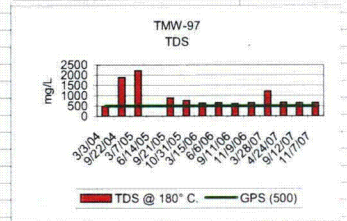
TMW-97

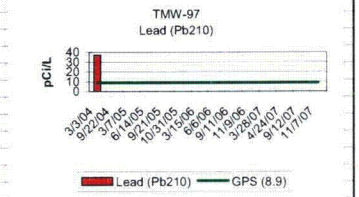
NORTHING: 148,599.86 EASTING: 323,799.93	Groundwater Protection Standard	2004		2005				2006							
ND = Non-detectable		3/3/04	9/22/04	3/7/05	6/14/05	9/21/05	10/31/05	3/15/06	6/6/06	9/11/06	11/9/06	3/28/07	4/24/07	9/12/07	11/7/07
FIELD DATA mg/l:	(GPS)														
Temperature (C)	as of 5/26/05	8	9	10	11	8.9	N/A	9.7	15.4	11.8	7.2		8.4	13.3	10.6
pH (Std. Units)		11.7	6.9	6.7	6.9	7.42		7.58	7.62	7.48	7.62		7.82	7.6	7.7
Cond. (umho/cm)		660	1000	1500	1600	620		600	882	797	816		871	865	852
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		50.7	141	144		113	107	101	100	94	98	120	100	103	102
Bicarbonate (HCO3)		3.3	172	175		138	131	123	121	115	119	146	122	125	124
Calcium (Ca)		65.6	386	459		194	180	140	148	140	141	257	145	151	150
Carbonate (CO3)		35.1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		10.2	63	56		29	25	20	21	19	19	37	20	21	20
Fluoride (F)		0.2	0.1	-0.1		0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.3	0.2	0.1
Magnesium (Mg)		7.4	59.3	74.3		14.9	13	9.8	11.9	9.6	10.4	27.4	11.6	11.2	11.2
Nitrate-N (NO3)		2.42	0.76	0.1		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		27	6.8	6.1		3.6	3.7	3	3.7	3.1	3.2	7.8	3.4	3.4	3.5
Silica (SiO2)		7.4	11	9		14	14	14	14	14	14	13	14	14	14
Sodium (Na)		62.4	95.9	99.3		49.3	46.3	45.2	44.5	43.7	43.2	60.4	45	45.5	47.1
Sulfate (SO4)		246	1100	1250		193	439	359	368	347	339	705	361	375	372
NON-METALS:															
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
PHYSICAL PROPERTIES:															
Cond (umho/cm)		848	1640	2460		1220	1110	885	935	941	956	1640	947	936	948
pH	GPS (6.8)	11.3	7	7.69		7.96	8.06	8.18	7.95	7.78	7.85	7.71	7.84	7.78	7.93
TDS @ 180° C.	GPS (500)	470	1880	2210		886	756	624	650	598	648	1210	670	654	644
METALS-DISSOLVED mg/l:															
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
Arsenic (As)	GPS (.05)	0.002	0.001	0.002		-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
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
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
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
Chromium (Cr)	GPS (.05)	0.06	-0.01	-0.01		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		-0.001	0.001	0.002		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	-0.05	-0.05	0.05		-0.05	0.18	-0.05	-0.05	-0.05	-0.05	1.07	-0.05	0.06	0.05
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
Manganese (Mn)	GPS (0.2)	-0.01	0.2	0.27		0.12	0.11	0.08	0.1	0.09	0.1	0.45	0.1	0.1	0.09
Mercury (Hg)		0.0006	-0.0002	-0.0002		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
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
Selenium (Se)	GPS (.01)	0.055	0.03	0.004		-0.001	-0.001	0..1	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	66.3	398	548		28.7	15.9	11.7	24.6	13.1	19.2	216	37.5	21.2	29
Radium 226		0.9	5.7	5.5		3.6	4	1.1	2.2	4.1	2.1	5.7	2.1	2.3	2.4
Radium Precision +/-		0.4	0.8	0.8		0.7	0.8	0.9	0.5	0.7	0.6	0.8	0.5	0.5	0.6
Radium 228		-1	8.4	12.7		5.9	7.5	3.6	12.4	5.1	8.4	15.4	5	5.1	7
Radium Precision +/-			1.5	1.6		1	1.4	0.9	1.2	0.9	1.2	1.2	1	0.9	1.2
Comb. Ra226/228	GPS (5.8)	0.9	14.1	18.2		9.5	11.5	4.7	14.6	9.2	10.5	21.1	7.1	7.4	9.4
Thorium 230	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
Thorium Precision +/-															
Lead (Pb210)	GPS (8.9)	37	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-		5.7													
Gross Alpha	GPS (15)	1.1	4.3	9.8		7.9	3.7	2.7	2.1	2.1	2.3	11.8	3	5.7	2.8
Gross Alpha Precision +/-		1	1.2	1.1		1.9	1.3	1.2	0.9	0.5	0.5	1.4	0.6	0.9	0.7
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		1.02	1.04	1.08		1.02	0.96	1	0.97	0.94	1.03	1.03	1.02	0.96	0.95
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND			0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND			0.0034	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

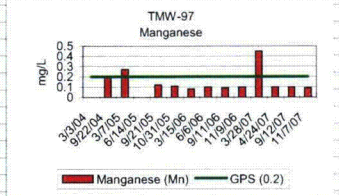
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water

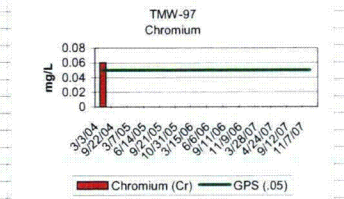


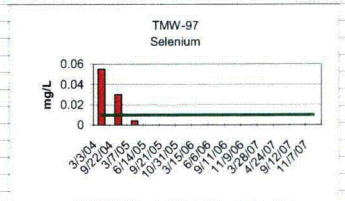


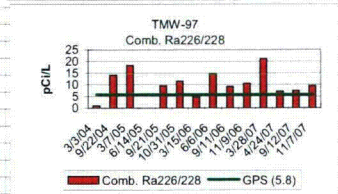










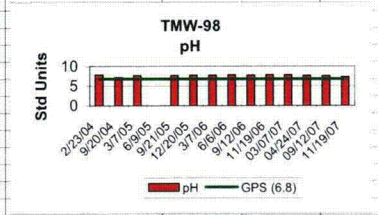


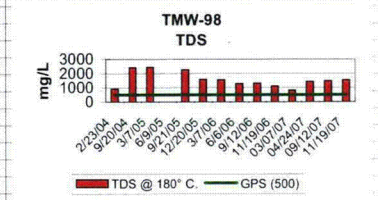
KENNECOTT URANIUM COMPANY

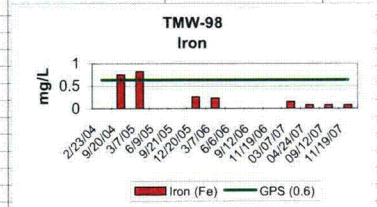
TMW-98

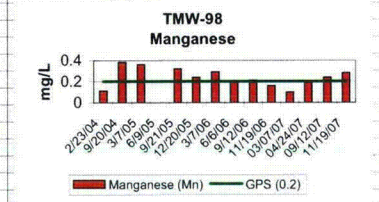
NORTHING: 148699.84 EASTING: 323810.19	Groundwater Protection Standard (GPS)	2004		2005				2006				2007			
ND = Non-detectable		2/23/04	9/20/04	3/7/05	6/9/05	9/21/05	12/20/05	3/7/06	6/6/06	9/12/06	11/19/06	03/07/07	04/24/07	09/12/07	11/19/07
FIELD DATA mg/l:															
Temperature (C)	as of 5/26/05	8	10	10	11	8.9	7.4	10.1	13.7	15.7	8	9.2	9	10.8	10.8
pH (Std. Units)		7.9	6.7	6.8	6.9	7.1	7.26	7.37	7.31	7.36	7.28	7.76	7.43	7.4	7.1
Cond. (umho/cm)		560	1160	1580	1680	850	1110	1250	1533	1531	1387	1072	1593	1623	1649
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		108	141	135		141	122	128	116	110	107	107	118	121	122
Bicarbonate (HCO3)		132	172	165		173	149	156	142	134	131	131	145	147	148
Calcium (Ca)		189	546	552		486	344	397	282	297	247	184	311	325	349
Carbonate (CO3)		-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		36	107	86		78	49	51	48	47	44	29	45	44	49
Fluoride (F)		0.2	-0.1	-0.1		-0.1	0.1	0.1	0.2	-0.1	0.1	0.1	0.2	0.1	-0.1
Magnesium (Mg)		16.2	45.1	47.4		42.1	31.9	36	26.2	24.7	20	14.5	25	30.2	32.5
Nitrate-N (NO3)		-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
Potassium (K)		4.9	8.3	7		6	5.1	5.5	5.2	5.1	4.5	4.1	4.9	5.1	5.8
Silica (SiO2)		10.7	14	15		14	14	13	14	12.7	13	13	13	13	12
Sodium (Na)		56.3	89.6	100		88.6	76.4	81.2	65	63	59.5	53.2	62.7	64.2	67.5
Sulfate (SO4)		508	1410	1460		1320	907	1030	760	619	638	473	790	870	944
NON-METALS:															
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
PHYSICAL PROPERTIES:															
Cond (umho/cm)		1220	2520	2680		2540	1920	2070	1620	1770	1520	1140	1740	1870	1910
pH	GPS (6.8)	7.8	7.17	7.64		7.68	7.77	7.71	7.79	7.77	7.82	7.85	7.66	7.57	7.33
TDS @ 180° C.	GPS (500)	905	2400	2430		2260	1580	1550	1280	1300	1110	798	1420	1450	1520
METALS-DISSOLVED mg/l:															
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
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
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
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
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
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
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
Cobalt (Co)		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
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
Iron (Fe)	GPS (0.6)	-0.05	0.75	0.82		-0.05	0.26	0.23	-0.05	-0.05	-0.05	0.15	0.08	0.08	0.08
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
Manganese (Mn)	GPS (0.2)	0.11	0.38	0.36		0.32	0.24	0.29	0.2	0.21	0.16	0.1	0.2	0.24	0.28
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
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
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
Selenium (Se)	GPS (.01)	0.003	0.003	0.002		0.002	-0.001	0.003	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002
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
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
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	118	35.4	40		31.9	24.9	37.9	20.1	22.5	15	10.9	31	37.4	38.3
Radium 226		2.6	8.1	6.1		5.7	2.6	3.1	1.7	2.3	2.2	2.1	2.7	3.2	3.1
Radium Precision +/-		0.5	0.9	0.8		0.9	0.6	0.7	0.5	0.5	0.7	0.5	0.6	0.6	0.6
Radium 228		-1	11.7	12.7		10.8	8.2	7.9	6.1	5.3	5.3	5.3	5.6	5.9	8
Radium Precision +/-			1.7	1.6		1.1	1.2	1	1.1	0.9	1	1.1	1	0.9	1.1
Comb. Ra226/228	GPS (5.8)	2.6	19.8	18.8		16.5	10.8	11	7.8	7.6	7.5	7.4	8.3	9.1	11.1
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2		0.9	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-						0.6									
Lead (Pb210)	GPS (8.9)	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	5.6
Lead Precision +/-															1.8
Gross Alpha	GPS (15)	2.9	5.3	11.2		8.7	6.5	6.4	3.6	2.1	2.6	3.2	4.2	5.9	3.1
Gross Alpha Precision +/-		1.2	1.3	1.2		2	1.3	1.6	1.1	0.5	0.7	0.6	0.7	0.9	0.7
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		1.03	1.04	1.04		1.07	1.05	0.92	1.01	1.03	1.02	0.96	1.08	1.02	0.99
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND			ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

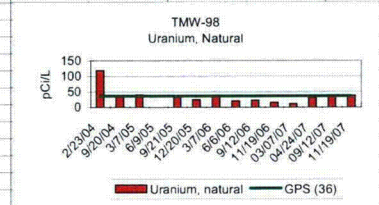
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

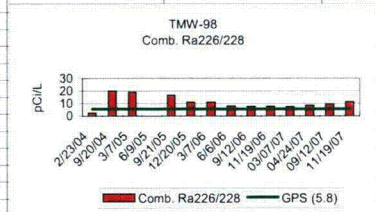










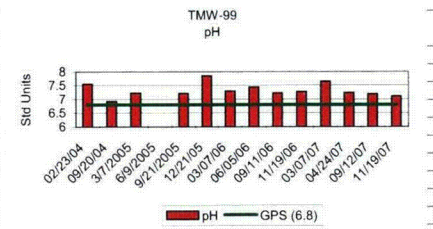


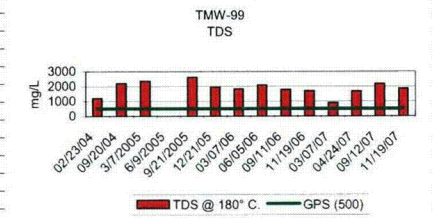
KENNECOTT UR[illegible]PANY

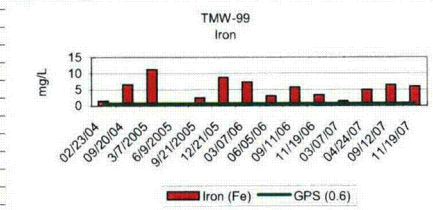
TMW-99

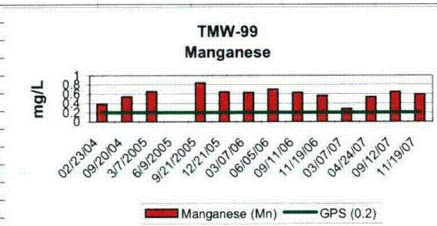
NORTHING: 148707.32 EASTING: 323898.85	Groundwater Protection Standard (GPS)	2004		2005				2006				2007			
ND = Non-detectable		02/23/04	09/20/04	3/7/2005	6/9/2005	9/21/2005	12/21/05	03/07/06	06/05/06	09/11/06	11/19/06	03/07/07	04/24/07	09/12/07	11/19/07
FIELD DATA mg/l:															
Temperature (C)	as of 5/26/05	8	13	10	10	8.6	9.3	9.3	16	11.9	8.4	9.2	9.1	11.8	10.7
pH (Std. Units)		7.5	6.8	6.6	6.5	6.91	7.06	7.24	7.3	6.97	6.97	7.49	7.33	7.1	7.1
Cond. (umho/cm)		960	1100	1420	1820	1140	1260	1280	2570	1947	1916	1127	1807	253	1963
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		111	139	132		146	132	135	130	122	120	104	120	137	129
Bicarbonate (HCO3)		135	169	161		178	162	165	159	149	146	127	146	167	157
Calcium (Ca)		230	486	513		469	367	400	451	392	358	192	344	427	414
Carbonate (CO3)		-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		17.6	60	60		73	51	45	53	41	36	20	35	40	42
Fluoride (F)		0.2	0.1	-0.1		-0.1	0.1	0.1	0.1	-0.1	0.1	0.2	0.2	0.1	0.1
Magnesium (Mg)		27.7	43.7	53.2		61.2	42.6	47.3	54	45.3	42.1	23.4	41.5	51.7	50.3
Nitrate-N (NO3)		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
Potassium (K)		10.2	6.9	6.6		6.6	5.7	5.3	6.3	5.2	5.2	3.9	5.1	5.3	6
Silica (SiO2)		9.9	15	15		13	13	13	13	13	12	12	12	12	13
Sodium (Na)		78.6	85.8	98.8		101	81.5	84.4	89.8	82.4	76.8	51.8	73.4	82.4	86.4
Sulfate (SO4)		732	1240	1390		1320	1100	1100	1240	1100	1010	543	937	1210	1210
NON-METALS:															
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
PHYSICAL PROPERTIES:															
Cond (umho/cm)		1580	2390	2570		2820	2250	2150	2380	2270	2090	1210	1970	2540	2290
pH	GPS (6.8)	7.55	6.92	7.22		7.21	7.84	7.29	7.43	7.22	7.27	7.64	7.23	7.18	7.1
TDS @ 180° C.	GPS (500)	1190	2180	2350		2600	1950	1830	2080	1780	1680	876	1660	2160	1850
METALS-DISSOLVED mg/l:															
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
Arsenic (As)	GPS (.05)	-0.001	0.004	0.003		-0.001	0.001	0.001	-0.001	-0.001	0.001	0.002	0.0002	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	-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
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
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
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
Cobalt (Co)		0.024	0.028	0.041		0.045	0.034	0.043	0.04	0.04	0.035	0.013	0.039	0.044	0.042
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
Iron (Fe)	GPS (0.6)	1.43	6.56	11.2		2.43	8.78	7.34	3.05	5.74	3.38	1.5	4.97	6.48	5.99
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
Manganese (Mn)	GPS (0.2)	0.38	0.54	0.65		0.84	0.64	0.63	0.7	0.63	0.56	0.28	0.53	0.64	0.59
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
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
Nickel (Ni)	GPS (.01)	0.04	0.03	0.05		0.06	0.04	0.05	0.06	0.05	0.05	0.02	0.05	0.06	0.06
Selenium (Se)	GPS (.01)	0.001	0.002	0.003		0.002	-0.001	0.003	-0.001	-0.001	0.002	-0.001	-0.001	0.001	0.001
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
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
Vanadium (V2O5)		-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	-0.01		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	138	28.6	38.5		53.8	56.4	62	73.7	82.1	85.7	87.7	133	78	85.4
Radium 226		3.8	7.3	6.8		5.6	3.3	2.8	2.1	2.7	3.3	2.5	3.9	4.2	3.5
Radium Precision +/-		0.6	0.8	0.9		0.9	0.7	0.7	0.5	0.5	0.8	0.6	0.7	0.6	0.6
Radium 228		-1	11.1	12		9.8	10	10.2	9.9	6.6	8.2	6.9	6	5.8	15.8
Radium Precision +/-			1.7	1.6		1.1	1.3	1.1	1.2	1	1.1	1.2	1	0.9	1.3
Comb. Ra226/228	GPS (5.8)	3.8	18.4	18.8		15.4	13.3	13	12	9.3	11.5	9.4	9.9	10	19.3
Thorium 230	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
Thorium Precision +/-															
Lead (Pb210)	GPS (8.9)	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-															
Gross Alpha	GPS (15)	6.1	5.4	10.3		11.8	4.5	4.9	2.8	3.4	2.6	2.7	5.3	16.7	3.5
Gross Alpha Precision +/-		1.4	1.3	1.2		2.2	1.3	1.4	1	0.6	0.7	0.6	0.7	1.4	0.8
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		1.03	1.07	1.06		1.2	1.12	1.03	1.05	1.02	1.04	0.96	1.09	1.13	0.97
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND			ND	ND	0.0088	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND			0.0031	0.003	0.0022	0.0025	0.0022	0.0021	0.0022	ND	0.003	0.0025	0.0022
1,1-Dichloroethene	GPS 0.007 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

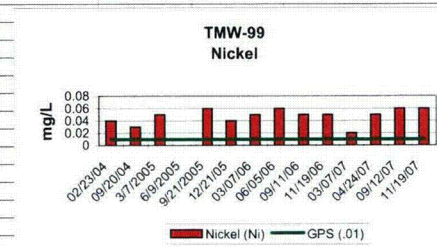
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)









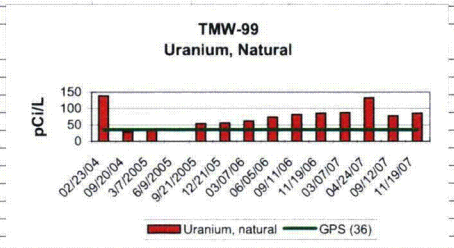


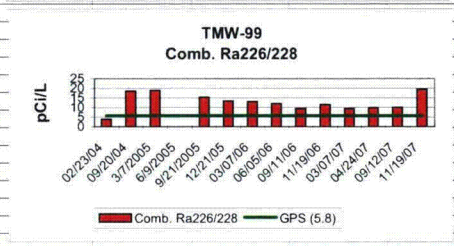
KENNECOTT UR[illegible]MPANY

TMW-99

NORTHING: 148707.32 EASTING: 323898.85

ND = Non-detectable





FIELD DATA mg/l:	
Temperature (C)	
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	
TDS @ 180° C.	
METALS-DISSOLVED mg/l:	
Aluminum (Al)	
Arsenic (As)	
Barium (Ba)	
Beryllium (Be)	
Boron (B)	
Cadmium (Cd)	
Chromium (Cr)	
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	
Lead (Pb)	
Manganese (Mn)	
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	
Selenium (Se)	
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	
Thorium 230	
Thorium Precision +/-	
Lead (Pb210)	
Lead Precision +/-	
Gross Alpha	
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
ORGANICS mg/L:	
Diesel Range Organics (DRO)	
Gasoline Range Organics (GRO)	
VOLATILE ORGANIC COMPOUNDS	
Chloromethane	
1,1-Dichloroethane	
1,1-Dichloroethene	
Naphthalene	
Toluene	
1,1,1-Trichloroethane	
1,2,4-Trimethylbenzene	
1,3,5-Trimethylbenzene	
m+p Xylenes	

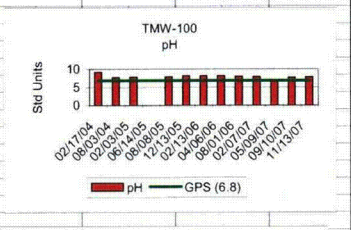
(1) - EPA MCL
(2) - WY Drinking Water Equivalent I
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

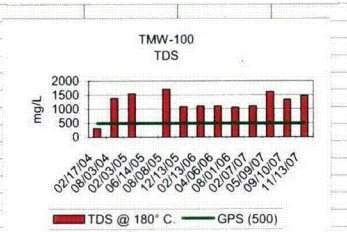
KENNECOTT URANIUM COMPANY

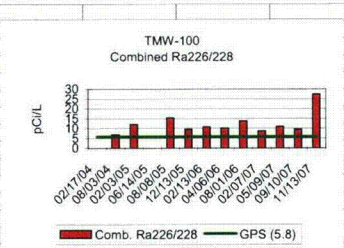
TMW-100

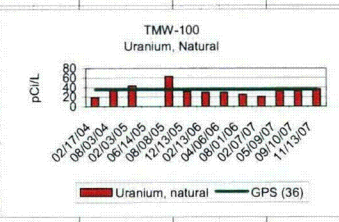
NORTHING: 148799.77 EASTING: 324004.42	Groundwater Protection Standard (GPS)	02/17/04	08/03/04	02/03/05	06/14/05	08/08/05	12/13/05	2006 02/13/06	04/06/06	08/01/06	2007 02/07/07	05/09/07	09/10/07	11/13/07
ND = Non-detectable														
FIELD DATA mg/l:														
Temperature (C)	as of 5/26/05	8	13	9	12	12	9.8	9.5	9.5	11.3	10	10.6	11	10.3
pH (Std. Units)		7.8	8.8	6.9	7.2	8.2	7.48	7.31	7.81	7.42	7.66	7.51	7.6	7.6
Cond. (umho/cm)		400	800	1760	1120	850	850	970	930	1356	1316	1692	1516	1616
TDS														
MAJOR IONS mg/l:														
Alk-CaCO3		19.8	45	69		71	95	95	100	91	92	92	98	99
Bicarbonate (HCO3)		21.5	55	84		87	116	116	122	111	112	112	120	120
Calcium (Ca)		45.1	274	351		383	235	232	243	234	249	370	294	306
Carbonate (CO3)		1.6	ND	ND		ND	ND	-1	-1	-1	ND	ND	ND	-1
Chloride (Cl)		6.4	32	36		41	21	20	24	26	25	33	26	29
Fluoride (F)		0.2	0.1	0.1		0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
Magnesium (Mg)		4.9	24.8	32.8		37.7	23	21.9	22.9	23.9	23.4	33.4	30.5	28.3
Nitrate-N (NO3)		-0.1	ND	ND		ND	ND	-0.1	-0.1	-0.1	ND	ND	ND	-0.1
Potassium (K)		4.2	5.5	5.4		5.7	3.8	3.7	4	4.4	4.5	4.9	4.8	5.2
Silica (SiO2)		10.9	8	10		10	11	11	11	12	11	10	11	11
Sodium (Na)		47.2	64.9	68.3		68.8	57	56.8	55.6	60.6	57.5	66.2	62.1	60.2
Sulfate (SO4)		197	745	930		1030	656	621	676	643	708	964	873	865
NON-METALS:														
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
PHYSICAL PROPERTIES:														
Cond (umho/cm)		520	1520	1870		2010	1370	1400	1410	1410	1420	1950	1720	1930
pH	GPS (6.8)	9.12	7.67	7.78		7.86	8.11	8.16	8.14	7.96	7.87	6.98	7.72	7.81
TDS @ 180° C.	GPS (500)	313	1380	1540		1700	1080	1100	1100	1060	1100	1610	1330	1470
METALS-DISSOLVED mg/l:														
Aluminum (Al)	GPS (1.8)	-0.1	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic (As)	GPS (.05)	0.002	0.003	0.003		0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.05	-0.05	-0.05		0.05	-0.05	-0.05	-0.05	-0.05	-0.05	0.07	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	-0.01	0.06	0.15		0.18	0.12	0.13	0.12	0.14	0.13	0.18	0.16	0.15
Mercury (Hg)		0.0015	0.0016	-0.0002		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
Nickel (Ni)	GPS (.01)	-0.01	-0.001	-0.001		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Selenium (Se)	GPS (.01)	0.002	0.002	0.002		0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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	0.31	-0.01		0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:														
Uranium, natural	GPS (36)	19.2	35	43.7		63.2	31.4	29.1	29.3	25.5	20.8	32.7	32.9	36.1
Radium 226		-0.2	4.2	5		5.4	4.2	4.8	2.5	3.5	3.5	5.2	4.1	4.5
Radium Precision +/-			0.7	0.9		0.8	0.8	0.8	0.6	0.7	0.6	0.8	0.6	0.9
Radium 228		-1	2.7	7.1		10	5.3	6	7.7	10.3	5.1	5.7	5.3	22.7
Radium Precision +/-			1	1		1.2	1.3	1.1	0.9	0.9	1.2	1	0.9	1.7
Comb. Ra226/228	GPS (5.8)	0	6.9	12.1		15.4	9.5	10.8	10.2	13.8	8.6	10.9	9.4	27.4
Thorium 230	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
Thorium Precision +/-														
Lead (Pb210)	GPS (8.9)	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-														
Gross Alpha	GPS (15)	-1	5.7	7.8		10.3	5.3	2.8	3.6	5.1	3.5	5.8	7	6
Gross Alpha Precision +/-			1.5	1		1.9	1.1	1.3	1	1.3	0.7	0.7	1	1.3
QUALITY ASSURANCE DATA:														
TDS A/C Balance (dec. %)		0.99		1.05		1.08	1.02	1.08	1	1	0.97	1.05	0.98	1.08
ORGANICS mg/L:														
Diesel Range Organics (DRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:														
Chloromethane	0.12	ND			ND	ND	0.01		ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND			ND	ND	ND		ND	ND	ND	ND	ND	ND

(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)







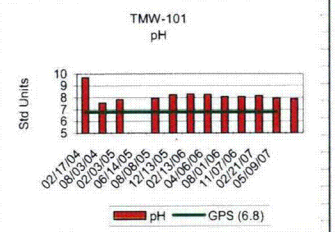


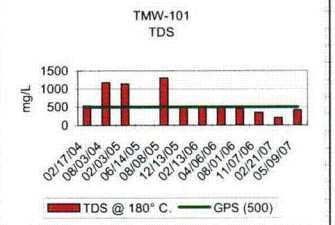
KENNECOTT URANIUM COMPANY

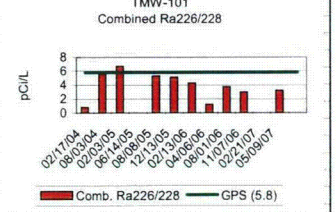
TMW-101

NORTHING: 148,800.10 EASTING: 324,100.06	Groundwater Protection Standard (GPS)	2004		2005				2006			2007				
ND = Non-detectable		02/17/04	08/03/04	02/03/05	06/14/05	08/08/05	12/13/05	02/13/06	04/06/06	08/01/06	11/07/06	02/21/07	05/09/07	09/10/07	11/13/07
FIELD DATA mg/l:															
Temperature (C)	as of 5/26/05	8	13	9	10	14	8.9	10.8	9.2	12	11.4	11.7	10.9	11.4	10.4
pH (Std. Units)		9.8	7.4	7.2	7.1	7.8	7.48	7.64	7.54	7.44	7.25	7.41	7.69	7.8	7.7
Cond. (umho/cm)		640	840	1340	1020	800	510	520	530	700	532	335	578	557	553
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		20.2	81	94		90	95	95	100	92	86	86	90	93	95
Bicarbonate (HCO3)		17.1	99	114		110	116	116	122	112	105	105	110	113	116
Calcium (Ca)		73.9	232	259		283	107	99.8	110	108	72.3	40.1	90.2	84.9	78.1
Carbonate (CO3)		4.5	ND	ND		ND	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		9.4	27	30		36	10	11	16	14	8	4	9	9	10
Fluoride (F)		0.5	0.2	0.2		0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.2
Magnesium (Mg)		2.5	20.5	23.7		26.4	9.3	8.3	9.3	9.3	6.3	3.4	7.9	7.4	6.3
Nitrate-N (NO3)		-0.1	ND	ND		ND	ND	-0.1	-0.1	ND	-0.1	ND	ND	ND	-0.1
Potassium (K)		7	4.4	4.2		4.4	2.5	6.4	2.7	2.8	2.1	1.4	2.2	2.3	2.5
Silica (SiO2)		20.3	13	13		13	12	12	12	12	11	13	12	12	12
Sodium (Na)		93.7	57.2	60.1		62.2	42.2	39.9	40.3	38.9	33.6	33.6	36.9	36.7	34.3
Sulfate (SO4)		355	602	664		735	277	244	280	245	171	90	206	207	194
NON-METALS:															
Cyanide (CN)		-0.005	ND	ND		ND	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:															
Cond (umho/cm)		820	1310	1480		1600	750	707	752	718	565	351	651	587	657
pH	GPS (6.8)	9.67	7.54	7.82		7.94	8.24	8.28	8.27	8.08	8.06	8.16	7.92	7.87	8.1
TDS @ 180° C.	GPS (500)	533	1170	1140		1300	518	470	496	458	344	204	422	384	393
METALS-DISSOLVED mg/l:															
Aluminum (Al)	GPS (1.8)	-0.1	ND	ND		ND	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	0.007	ND	ND		ND	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Barium (Ba)		-0.1	ND	ND		ND	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	ND	ND		ND	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Boron (B)		-0.1	ND	ND		ND	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	ND	ND		ND	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	ND	ND		ND	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		-0.001	ND	ND		ND	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Copper (Cu)		-0.01	ND	ND		ND	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	-0.05	ND	0.11		ND	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.05	-0.5	-0.5
Lead (Pb)		-0.01	ND	ND		ND	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	-0.01	0.11	0.14		0.16	0.06	0.06	0.06	0.05	0.04	0.01	0.04	0.03	0.04
Mercury (Hg)		0.004	0.001	ND		ND	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		0.01	ND	ND		ND	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	ND	ND		ND	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)	0.006	0.002	0.001		ND	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Silver (Ag)		-0.01	ND	ND		ND	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Thallium (Tl)		-0.01	ND	ND		ND	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Vanadium (V2O5)		-0.1	ND	ND		ND	-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
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	27.1	18.4	21.8		22.4	6.1	5.6	7	6.6	4.6	4.2	5.7	5.1	5.2
Radium 226		0.8	2.6	2.4		2.6	1.6	1.7	1.2	1.5	1.8	-0.2	1.5	1.7	1.3
Radium Precision +/-		0.5	0.6	0.6		0.6	0.5	0.5	0.5	0.4	0.8		0.5	0.4	0.5
Radium 228		-1	3	4.3		2.7	3.5	2.6	-1	2.2	2	-1	1.7	-1	8.1
Radium Precision +/-			1	0.9		1	1.3	1		0.7	1.2		0.9		1.5
Comb. Ra226/228	GPS (5.8)	0.8	5.6	6.7		5.3	5.1	4.3	1.2	3.7	3	0	3.2	1.7	9.4
Thorium 230	GPS (7.0)	-0.2	ND	ND		ND	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
Thorium Precision +/-															
Lead (Pb210)	GPS (8.9)	-1	ND	ND		ND	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-															
Gross Alpha	GPS (15)	-1	2.7	5.2		4.4	2.5	1.4	1.7	1.8	2.4	1.4	1.6	2.1	1.4
Gross Alpha Precision +/-			1.1	1.6		1.4	0.8	1.1	0.8	0.9	0.7	0.5	0.4	0.7	0.9
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		0.96	1.17	1.03		1.08	1	0.98	0.93	0.94	0.97	0.86	1.01	0.93	0.99
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND			ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

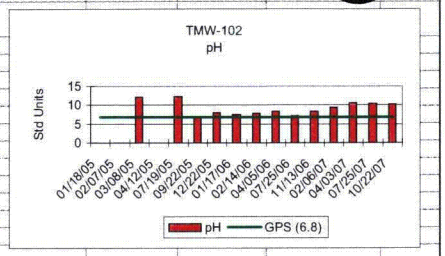


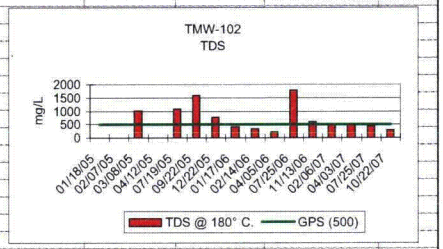


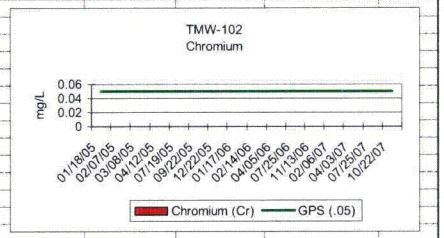


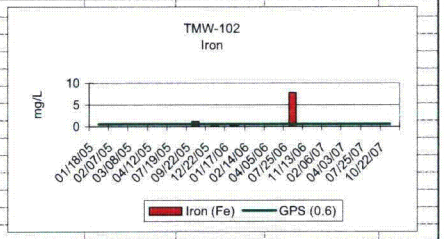
KENNECOTT URA[illegible]MPANY																	
TMW-102																	
NORTHING: 148,600.02 EASTING: 323,968.63	Groundwater Protection	2005							2006					2007			
ND = Non-detectable	Standard	01/18/05	02/07/05	03/08/05	04/12/05	07/19/05	09/22/05	12/22/05	01/17/06	02/14/06	04/05/06	07/25/06	11/13/06	02/06/07	04/03/07	07/25/07	10/22/07
FIELD DATA mg/l:	(GPS)																
Temperature (C)	as of 5/26/05	11	10	8	11	13	13.4	8.2	7.1	8.7	11.4	17.7	7.2	9	10.2	15.7	9.8
pH (Std. Units)		12.6	12.5	12.2	12	12.5	5.9	6.45	6.83	7.1	8.33	6.81	8.52	9.85	11.33	10.7	10.6
Cond. (umho/cm)		4000	360	2600	2800	2200	1180	800	520	330	240	2380	833	734	719	606	415
TDS																	
MAJOR IONS mg/l:																	
Alk-CaCO3				794		791	1240	592	235	142	42	274	16	28	82	58	48
Bicarbonate (HCO3)				8		5	1510	723	287	174	50	334	19	28	17	11	18
Calcium (Ca)				297		347	494	220	94.4	56.6	19.6	398	97.3	93.6	98.9	66.5	46.7
Carbonate (CO3)				577		576	-1	-1	-1	-1	-1	-1	-1	4	30	19	15
Chloride (Cl)				5		4	6	5	5	4	6	19	9	10	10	9	6
Fluoride (F)				0.2		0.1	0.1	0.2	-0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1
Magnesium (Mg)				-0.5		-0.5	8	1.2	0.9	1	0.6	47.3	10.8	8.4	1.3	ND	0.6
Nitrate-N (NO3)				-0.1		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-1	-0.1	N	ND	ND	-0.1
Potassium (K)				42.8		36.2	53.8	22.8	11.1	11.2	12.7	16.5	8.5	9	10.1	7.8	6.1
Silica (SiO2)				2		2	21	33	19	18	26	39	27	29	40	36	28
Sodium (Na)				74.5		65.3	69.3	45.9	38.8	41.2	41.6	73.9	52.8	54.7	51.1	44.5	42
Sulfate (SO4)				1332		211	189	94	94	97	102	1060	353	365	278	188	135
NON-METALS:																	
Cyanide (CN)				-0.005		-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.0005	-0.0005	-0.0005	-0.0005	-0.005
PHYSICAL PROPERTIES:																	
Cond (umho/cm)				3820		4040	2360	1230	640	499	348	2180	870	771	756	603	472
pH	GPS (6.8)			12.1		12.3	6.8	7.97	7.48	7.8	8.38	7.11	8.34	9.29	10.6	10.4	10.3
TDS @ 180° C.	GPS (500)			1010		1090	1590	768	412	348	220	1780	602	538	502	424	294
METALS-DISSOLVED mg/l:																	
Aluminum (Al)	GPS (1.8)			-0.1		-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	ND	ND	0.2	0.2
Arsenic (As)	GPS (.05)			-0.001		-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	ND	0.001	0.002	-0.001
Barium (Ba)				0.3		0.3	0.2	-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
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
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
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
Cobalt (Co)				-0.001		-0.001	0.004	0.001	0.001	-0.001	-0.001	0.084	-0.001	-0.001	-0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)			-0.05		-0.05	1.25	0.61	0.1	-0.05	-0.05	7.8	-0.05	-0.05	-0.05	-0.05	-0.05
Lead (Pb)				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
Manganese (Mn)	GPS (0.2)			-0.01		-0.01	0.16	0.11	0.02	-0.01	-0.01	1.85	0.02	0.02	0.02	0.02	-0.01
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
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
Nickel (Ni)	GPS (.01)			-0.01		-0.01	0.02	-0.01	-0.01	-0.01	-0.01	0.09	-0.01	-0.01	-0.01	-0.01	-0.01
Selenium (Se)	GPS (.01)			0.002		0.002	0.002	-0.001	-0.001	-0.0001	-0.0001	0.003	0.008	0.005	0.004	0.002	-0.001
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
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
Vanadium (V2O5)				-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	2.24	0.11	0.02	-0.01	0.01	0.04	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																	
Uranium, natural	GPS (36)			-0.2		3.1	72.7	10.6	3.2	3.3	2.3	553	281	52.1	2.1	1.9	1.9
Radium 226				1.9		1.5	0.8	0.8	0.8	-0.2	0.5	3.1	11.5	2	1.4	1.2	1.2
Radium Precision +/-				0.5		0.4	0.4	0.4	0.6		0.4	0.8	1.2	0.5	0.4	0.4	0.4
Radium 228				-1		-1	-1	-1	-1	-1	4.3	5.4	-1	-1	-1	7.2	1.9
Radium Precision +/-											1.1	0.9				0.9	1.1
Comb. Ra226/228	GPS (5.8)			1.9		1.5	0.8	0.8	0.8	0	4.8	8.5	11.5	2	1.4	8.4	3.1
Thorium 230	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
Thorium Precision +/-				0.3													
Lead (Pb210)	GPS (8.9)			-0.1		-1	-1	-1	-1	-1	19	-1	7.3	-1	-1	-1	-1
Lead Precision +/-											2.1		1.6				
Gross Alpha	GPS (15)			2.2		2.1	1.5	-1	-1	-1	-1	4.5	10.3	2.8	2.2	1.3	1.5
Gross Alpha Precision +/-				1.2		1.1	1.1					1.1	1	0.6	0.8	0.4	0.8
QUALITY ASSURANCE DATA:																	
TDS A/C Balance (dec. %)				0.98		0.96	1	0.99	1.02	1.1	0.94	0.98	1.06	0.92	0.93	1.09	1
ORGANICS mg/L:																	
Diesel Range Organics (DRO)	GPS 10 (3)	1.8	8.6	3.6	2.7	ND	1.8	ND	ND	ND	ND	30	5.2	0.055	2.9	1.2	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.312	0.091	ND	0.101	0.049	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																	
Chloromethane	0.12	ND	ND	0.0017	ND	ND	ND	0.012	0.025	ND	ND	0.0049	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	0.0017	0.0012	ND	ND	ND	ND	ND	ND	ND	0.0074	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	0.0068	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.016	0.003	0.0014	0.0019	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

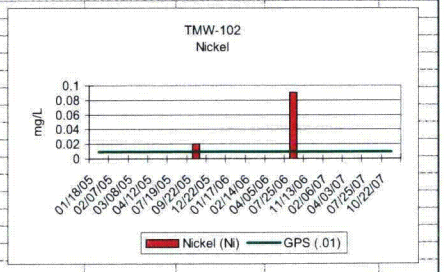
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)



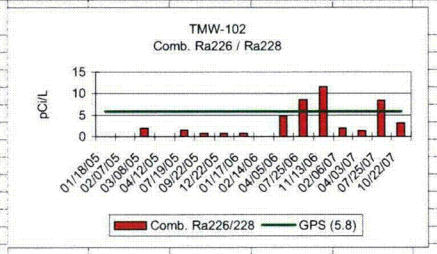


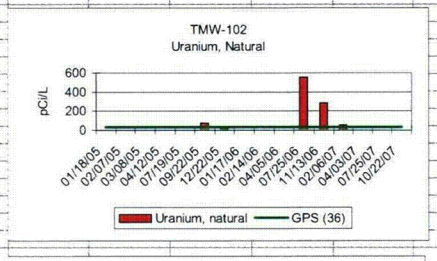


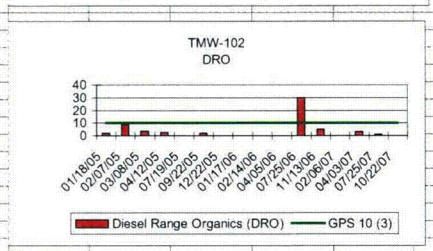




KENNECOTT URA[illegible]IPANY	
TMW-102	
NORTHING: 148,600.02 EASTING: 323,968.63	Groundwater Protection Standard (GPS) as of 5/26/05
ND = Non-detectable	
FIELD DATA mg/l:	
Temperature (C)	
pH (Std. Units)	
Cond. (umho/cm)	
TDS	
MAJOR IONS mg/l:	
Alk-CaCO3	
Bicarbonate (HCO3)	
Calcium (Ca)	
Carbonate (CO3)	
Chloride (Cl)	
Fluoride (F)	
Magnesium (Mg)	
Nitrate-N (NO3)	
Potassium (K)	
Silica (SiO2)	
Sodium (Na)	
Sulfate (SO4)	
NON-METALS:	
Cyanide (CN)	
PHYSICAL PROPERTIES:	
Cond (umho/cm)	
pH	GPS (6.8)
TDS @ 180° C.	GPS (500)
METALS-DISSOLVED mg/l:	
Aluminum (Al)	GPS (1.8)
Arsenic (As)	GPS (.05)
Barium (Ba)	
Beryllium (Be)	GPS (.01)
Boron (B)	
Cadmium (Cd)	GPS (.01)
Chromium (Cr)	GPS (.05)
Cobalt (Co)	
Copper (Cu)	
Iron (Fe)	GPS (0.6)
Lead (Pb)	
Manganese (Mn)	GPS (0.2)
Mercury (Hg)	
Molybdenum (Mo)	
Nickel (Ni)	GPS (.01)
Selenium (Se)	GPS (.01)
Silver (Ag)	
Thallium (Tl)	
Vanadium (V2O5)	
Zinc (ZN)	
RADIOMETRIC pCi/l:	
Uranium, natural	GPS (36)
Radium 226	
Radium Precision +/-	
Radium 228	
Radium Precision +/-	
Comb. Ra226/228	GPS (5.8)
Thorium 230	GPS (7.0)
Thorium Precision +/-	
Lead (Pb210)	GPS (8.9)
Lead Precision +/-	
Gross Alpha	GPS (15)
Gross Alpha Precision +/-	
QUALITY ASSURANCE DATA:	
TDS A/C Balance (dec. %)	
ORGANICS mg/L:	
Diesel Range Organics (DRO)	GPS 10 (3)
Gasoline Range Organics (GRO)	GPS 10 (3)
VOLATILE ORGANIC COMPOUNDS mg/L:	
Chloromethane	0.12
1,1-Dichloroethane	GPS 3 (2)
1,1-Dichloroethene	GPS 0.007 (1)
Naphthalene	GPS 1.3 (2)
Toluene	GPS 1 (1)
1,1,1-Trichloroethane	GPS 0.20 (1)
1,2,4-Trimethylbenzene	GPS 0.012 (4)
1,3,5-Trimethylbenzene	GPS 0.012 (4)
m+p Xylenes	GPS 10 (1)
(1) - EPA MCL	
(2) - WY Drinking Water Equivalent Level	
(3) - WY VRP, Fact Sheet 12	
(4) - EPA RBC - Tap Water	
(LAB: Energy Labs Inc. unless noted.)	





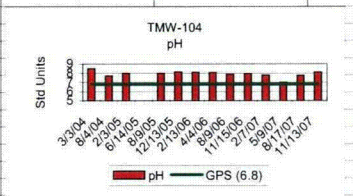


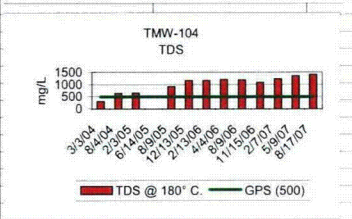
KENNECOTT URANIUM COMPANY

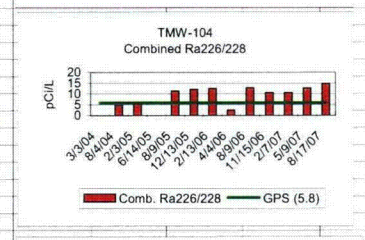
TMW-104

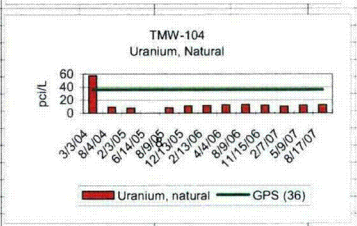
NORTHING: 148,508.55 EASTING: 324,122.60	Groundwater Protection Standard	2004		2005				2006				2007			
ND = Non-detectable		3/3/04	8/4/04	2/3/05	6/14/05	8/9/05	12/13/05	2/13/06	4/4/06	8/9/06	11/15/06	2/7/07	5/9/07	8/17/07	11/13/07
FIELD DATA mg/l:	(GPS)														
Temperature (C)	as of 5/26/05	8	15	10	11	15	8	9.4	11.2	12.4	7	9	10.9	10	10.1
pH (Std. Units)		8.9	7.2	7.1	7.1	7.8	7.47	7.51	7.56	7.2	7.24	7.46	7.34	7.4	7.4
Cond. (umho/cm)		380	580	880	700	680	890	1040	870	1350	1168	1446	1496	1547	1510
TDS															
MAJOR IONS mg/l:															
Alk-CaCO3		90.2	119	119		104	110	115	110	110	111	112	114	120	123
Bicarbonate (HCO3)		107	145	145		127	134	140	134	134	135	137	139	147	151
Calcium (Ca)		39.9	123	147		208	256	258	275	246	224	286	301	336	282
Carbonate (CO3)		1.9	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	-1
Chloride (Cl)		4.2	12	14		22	28	25	28	25	22	31	29	29	32
Fluoride (F)		0.2	0.2	0.1		ND	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	1
Magnesium (Mg)		4.3	11.7	13.4		18.1	20.8	19.9	21	19.8	17.9	20.8	22.5	24.5	20.2
Nitrate-N (NO3)		0.27	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	-0.1
Potassium (K)		3.5	2.8	3.3		4.2	4.3	4.1	4.5	4.8	4.2	4.6	4.7	4.8	5.3
Silica (SiO2)		9.4	11	12		11	13	13	13	10	11	13	12	13	13
Sodium (Na)		54	49.5	48.7		51.4	60.1	60.3	64.6	56.4	56.8	64.7	65.3	68.3	61.9
Sulfate (SO4)		131	286	346		511	680	660	700	654	586	764	748	859	770
NON-METALS:															
Cyanide (CN)		-0.005	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	-0.005
PHYSICAL PROPERTIES:															
Cond (umho/cm)		490	838	944		1220	1450	1480	1490	1560	1400	1550	1710	1740	1790
pH	GPS (6.8)	8.49	7.69	8		7.98	8.13	8.09	8.04	7.84	7.93	7.78	7	7.72	8.08
TDS @ 180° C.	GPS (500)	306	636	644		912	1160	1160	1200	1180	1080	1220	1340	1400	1320
METALS-DISSOLVED mg/l:															
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
Arsenic (As)	GPS (.05)	0.005	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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	0.135	-0.05	-0.05		-0.05	-0.05	-0.05	-0.05	-0.05	0.07	-0.05	-0.05	0.09	0.05
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
Manganese (Mn)	GPS (0.2)	0.01	0.04	0.05		0.08	0.14	0.14	0.15	0.12	0.11	0.17	0.17	0.17	0.17
Mercury (Hg)		0.0004	-0.01	-0.01		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	ND	-0.01	-0.01
Nickel (Ni)	GPS (.01)	-0.01	-0.01	-0.01		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	ND	-0.01	-0.01
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
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
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
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:															
Uranium, natural	GPS (36)	57.1	9.2	7.8		8	10.9	11.3	12.7	13	12.2	10.3	12.1	12.7	12.2
Radium 226		-0.2	1.5	2		3.5	2.9	3.8	2.5	3.2	4	2.7	3.7	4.7	4.1
Radium Precision +/-			0.5	0.6		0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.7	0.7	0.8
Radium 228		-1	3.3	3.4		7.6	9.1	8.7	-1	9.6	6.5	7.9	8.9	10.1	14.4
Radium Precision +/-			1.4	0.9		1.5		1.1		0.9	1.1	1.3	1.1	1.1	1.7
Comb. Ra226/228	GPS (5.8)	0	4.8	5.4		11.3	12	12.5	2.5	12.8	10.5	10.6	12.6	14.8	18.5
Thorium 230	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
Thorium Precision +/-		0.2													
Lead (Pb210)	GPS (8.9)	-1	-1	-1		-1	-1	-1	5	-1	-1	-1	-1	-1	-1
Lead Precision +/-									1.2						
Gross Alpha	GPS (15)	-1	1.7	4.3		7.7	3.9	1.9	6	4.8	4	3.8	4.1	7.7	3.9
Gross Alpha Precision +/-			1.1	1.5		2.4	1	1.1	1.5	1.3	0.7	0.7	0.6	1.1	1.1
QUALITY ASSURANCE DATA:															
TDS A/C Balance (dec. %)		1.04	1.12	0.98		1.03	1.03	1.05	1.04	1.09	1.09	0.98	1.07	0.99	1.05
ORGANICS mg/L:															
Diesel Range Organics (DRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:															
Chloromethane	0.12	ND			ND	ND	0.012	0.012	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)









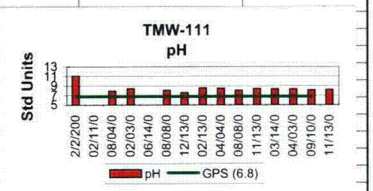
KENNECOTT URANIUM COMPANY																													
TMW-105																													
NORTHING: 148,581.02 EASTING: 323,943.82	2003	2004													2005								2006						
ND = Non-detectable	12/30/03	1/19/04	2/11/04	3/23/04	4/12/04	5/11/04	6/15/04	7/13/04	8/5/04	9/20/04	10/12/04	11/4/04	12/7/04		1/12/05	2/9/05	3/16/05	4/11/05	5/10/05	7/18/05	10/5/05	10/31/05	1/19/06						
FIELD DATA mg/l:																													
Temperature (C)		8	8	6	19	21	28	40	24	21	27	11	11		10	13	12	18	20	32	11.3	N/A	9.5						
pH (Std. Units)		6.8	5	5.11	3.6	3.9	3.5	51	3.8	4	3.7	4	4.3		4.4	5	4.4	3.9	3.9	3.5	4.38		5.15						
Cond. (umho/cm)		800	1420	1100	1120	1380	1400	580	1100	1080	1140	920	960		980	160	340	1400	1440	1240	980		860						
TDS																													
MAJOR IONS mg/l:																													
Alk-CaCO3		39.5			1.6			-1			-1				20			-1		-1	2	-1	5						
Bicarbonate (HCO3)		48.2			1.9			-1			-1				25			-1		-1	3	-1	6						
Calcium (Ca)		168			303			334			328				322			333		429	406	427	310						
Carbonate (CO3)		-1			-1			-1			-1				-1			-1		-1	-1	-1	-1						
Chloride (Cl)		23			67.3			56			66				54			84		113	118	128	89						
Fluoride (F)		0.2			0.4			0.4			0.4				0.3			0.4		0.4	0.5	-0.1	0.4						
Magnesium (Mg)		24.8			51.4			62.9			49.6				51.7			54		64.8	67.3	68.7	48.2						
Nitrate-N (NO3)		-0.1			-0.1			-0.1			-0.1				-0.1			-0.1		-0.1	-0.1	-0.1	-0.1						
Potassium (K)		5.8			6.5			6			6.9				6.8			7.2		6.4	7	7.2	7.4						
Silica (SiO2)		28			53.1			51			53				43			50		55	52	51	44						
Sodium (Na)		60.5			73			92			70				71.5			84		106	107	104	85.9						
Sulfate (SO4)		637			1160			1290			1060				1100			1210		1490	1440	1500	1160						
NON-METALS:																													
Cyanide (CN)		-0.005			-0.005			-0.005			-0.005				-0.005			-0.005		-0.005	-0.005	-0.005	-0.005						
PHYSICAL PROPERTIES:																													
Cond (umho/cm)		1300			2180			5840			2380				2040			2410		2700	2710	2890	2330						
pH		6.54			4.7			2.01			4.66				5.5			4.54		4.39	4.99	4.85	5.11						
TDS @ 180° C.		964			1880			2330			1850				1830			2080		2430	2420	2400	1980						
METALS-DISSOLVED mg/l:																													
Aluminum (Al)		-0.1			2.4			2.9			2.8				1.3			3.7		3.5	2.8	2.6	1.1						
Arsenic (As)		-0.001			-0.001			0.002			0.001				0.002			0.003		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						
Beryllium (Be)		-0.01			-0.01			-0.01			-0.01				-0.01			-0.01		-0.01	-0.01	-0.01	-0.01						
Boron (B)		-0.1			0.16			0.2			0.2				-0.1			-0.1		0.1	0.1	0.2	-0.1						
Cadmium (Cd)		-0.005			-0.005			-0.005			-0.005				-0.005			-0.005		-0.005	-0.005	-0.005	-0.005						
Chromium (Cr)		-0.01			-0.01			0.01			-0.01				-0.01			-0.01		-0.01	-0.01	-0.01	-0.01						
Cobalt (Co)		0.067			0.136			0.16			0.153				0.117			0.184		0.193	0.197	0.202	0.177						
Copper (Cu)		-0.01			0.01			0.03			0.02				-0.01			0.02		0.04	0.03	0.03	0.14						
Iron (Fe)		9.41			50.5			50			49.1				30.3			58.3		57.5	57.5	56.8	57.4						
Lead (Pb)		-0.01			0.04			-0.03			0.04				0.03			0.05		0.04	0.03	0.03	0.05						
Manganese (Mn)		1.09			2.26			2.54			2.58				2.19			3.07		3.21	3.22	3.42	2.45						
Mercury (Hg)		-0.0002			-0.0002			-0.0002			-0.0002				-0.0002			-0.0002		-0.0002	-0.0002	-0.0002	-0.0002						
Molybdenum (Mo)		-0.01			-0.01			-0.08			-0.01				-0.01			-0.01		-0.01	-0.01	-0.01	-0.01						
Nickel (Ni)		0.08			0.13			0.15			0.17				0.13			0.19		0.21	0.2	0.23	0.2						
Selenium (Se)		0.01			0.013			0.018			0.021				0.01			0.054		0.064	0.083	0.086	0.031						
Silver (Ag)		-0.01			-0.01			-0.01			-0.01				-0.01			-0.01		-0.01	-0.01	-0.01	-0.01						
Thallium (Tl)		-0.01			-0.01			-0.01			-0.01				-0.01			-0.01		-0.01	-0.01	-0.01	-0.01						
Vanadium (V2O5)		-0.1			-0.1			-0.1			-0.1				-0.1			-0.1		-0.1	-0.1	-0.1	-0.1						
Zinc (ZN)		0.17			0.43			0.77			0.74				0.5			0.7		0.72	0.67	0.67	0.69						
RADIOMETRIC pCi/l:																													
Uranium, natural		228			858			692			741				560			582		1100	569	687	183						
Radium 226		18.7			10.7			14.1			12				9.5			11.9		18.3	16.7	13.4	6.3						
Radium Precision +/-		1.5			1.1			1.3			1.1				1.1			1.2		1.6	1.6	1.3	1.2						
Radium 228		3.7			25.8			13.1			13				9.1			14.3		17	20.3	15.7	10.3						
Radium Precision +/-		1.5			2.4			1.2			1.6				1.1			1.2		1.7	1.8	1.6	1.4						
Comb. Ra226/228		22.4			36.5			27.2			25				18.6			26.2		35.3	37	29.1	16.6						
Thorium 230		-0.2			-0.2			-0.2			-0.2				1.1			-0.2		3.9	-0.2	0.6	-0.2						
Thorium Precision +/-															0.4					1.1		0.4							
Lead (Pb210)		-1			-1			-1			-1				-1			-1		-1	-1	-1	-1						
Lead Precision +/-																													
Gross Alpha		19.1			22.4			23.6			14.9				12.8			14.7		27.7	15.9	18.2	8.8						
Gross Alpha Precision +/-		1.4			1.3			1.5			1.1				1.1			1.3		3.4	2.7	2.5	1.7						
QUALITY ASSURANCE DATA:																													
TDS A/C Balance (dec. %)		1.02			1.13			1.23			1.13				1.1			1.14		1.08	1.1	1.05	1.13						
ORGANICS mg/L:																													
Diesel Range Organics (DRO)	22	25	290	20	15	220	14	5.2	15	40	57	32	630		40000	24000	420	190	130	50	110	52	800000						
Gasoline Range Organics (GRO)	ND	0.073		0.134	0.125	0.083	0.092	0.06	0.063	0.102	ND	ND	0.137		ND	ND	0.159	0.176	0.147	0.064	0.173	0.132	ND						
VOLATILE ORGANIC COMPOUNDS mg/L:																													
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND						
1,1-Dichloroethene	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND						
Naphthalene	ND	ND	0.12	0.048	0.041	0.054	0.023	0.0094	ND	ND	0.036	0.036	0.07		0.17	0.033	0.042	0.072	0.061	0.058	0.062	0.066	0.088						
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND						
1,1,1-Trichloroethane	ND	0.013	0.02	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	0.027		ND	0.034	ND	ND	0.0029	ND	0.0041	0.0019	ND						
1,2,4-Trimethylbenzene	ND	ND	0.0062	ND	ND	ND	ND	ND	ND	0.0013	0.001	0.0015	ND		ND	0.0079	ND	ND	0.0031	0.0029	0.003	0.0027	ND						
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND						
m+p Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND						
Methyl ethyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND						
(1) - EPA MCL																													
(2) - WY Drinking Water Equivalent Level																													
(3) - WY VRP, Fact Sheet 12																													
(4) - EPA RBC - Tap Water																													
(LAB: Energy Labs Inc. unless noted.)																													

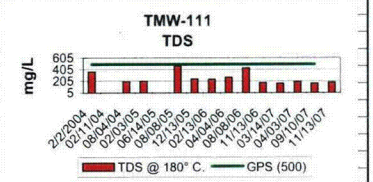
KENNECOTT URA[illegible] COMPANY

TMW-111

NORTHING: 148,800.06 EASTING: 324,200.03	Groundwater Protection	2004			2005				2006				2007			
ND = Non-detectable	Standard	2/2/2004	02/11/04	08/04/04	02/03/05	06/14/05	08/08/05	12/13/05	02/13/06	04/04/06	08/08/06	11/13/06	03/14/07	04/03/07	09/10/07	11/13/07
FIELD DATA mg/l:	(GPS)															
Temperature (C)	as of 5/26/05	8	8	13	10	11	12	9.1	9.2	11.8	13.3	8.6	10.3	9.9	11.3	10.8
pH (Std. Units)		12.2	11.3	8.6	8.2	7.4	8.1	8.24	8.13	8.05	7.44	7.78	7.96	7.87	7.9	7.8
Cond. (umho/cm)		1400	820	240	320	560	400	270	320	280	736	243	263	284	255	329
TDS																
MAJOR IONS mg/l:																
Alk-CaCO3		164		56	64		88	85	90	88	95	95	82	82	87	93
Bicarbonate (HCO3)		18.5		69	76		107	104	106	104	116	113	98	98	106	113
Calcium (Ca)		69.1		14.1	28.1		89.9	36.7	40.2	42.4	80.6	19.3	18.8	23.9	22.2	32.4
Carbonate (CO3)		109		-1	-1		-1	-1	2	2	-1	2	1	-1	-1	-1
Chloride (Cl)		7.1		3	4		7	-1	2	3	7	2	2	3	3	5
Fluoride (F)		0.3		0.2	0.2		1	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2
Magnesium (Mg)		-1		1.3	2.3		8.3	3.2	3.4	3.9	7.6	1.4	1.3	1.5	1.7	2.5
Nitrate-N (NO3)		-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
Potassium (K)		24.5		2.6	2.6		3.3	2.1	1.9	1.7	2.6	1.6	1.4	1.8	1.5	1.8
Silica (SiO2)		15.1		11	12		13	12	12	12	10	11	10	13	11	12
Sodium (Na)		55.5		41.7	42.2		42.7	38	37.3	37.2	36.8	36.8	39.1	41.4	37.7	37.4
Sulfate (SO4)		95.1		63	94		235	93	100	100	207	45	52	64	54	84
NON-METALS:																
Cyanide (CN)		-0.005		-0.005	-0.005		-0.0005	-0.005	-0.005	-0.0005	-0.005	-0.005	-0.005	-0.005	-0.005	0.005
PHYSICAL PROPERTIES:																
Cond (umho/cm)		1100		285	355		689	376	399	395	666	273	272	315	250	38.2
pH	GPS (6.8)	11		7.92	8.36		8.03	7.58	8.53	8.46	8.03	8.41	8.33	8.3	8.11	8.2
TDS @ 180° C.	GPS (500)	364		199	201		460	244	236	270	430	176	164	194	166	182
METALS-DISSOLVED mg/l:																
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
Arsenic (As)	GPS (.05)	0.004		0.002	0.001		0.003	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
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
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
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
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
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
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
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	-0.05	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	-0.01		-0.01	-0.01		0.03	0.03	-0.01	0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01
Mercury (Hg)		0.0018		0.0006	-0.0002		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
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
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
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
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
Vanadium (V2O5)		-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		0.17	-0.01		-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (36)	-0.2		3.9	5.7		11.5	4.8	4.2	3.9	5.7	2.6	2.6	2.9	2.3	2.8
Radium 226		0.6		0.4	0.6		0.7	0.7	0.9	1.1	0.7	0.6	0.5	-0.2	-0.2	-0.2
Radium Precision +/-		0.3		0.4	0.4		0.4	0.4	0.4	0.4	0.4	0.4	0.3			
Radium 228		-1		-1	1.1		-1	-1	-1	-1	2.5	-1	-1	-1	-1	-1
Radium Precision +/-					0.8						0.7					
Comb. Ra226/228	GPS (5.8)	0.6		0.4	1.7		0.7	0.7	0.9	1.1	3.2	0.6	0.5	0	0	0
Thorium 230	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
Thorium Precision +/-																
Lead (Pb210)	GPS (8.9)	-1		-1	-1		-1	-1	-1	-1	-1	6.2	-1	-1	-1	-1
Lead Precision +/-												1.5				
Gross Alpha	GPS (15)	1.6		-1	1.6		2.1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Gross Alpha Precision +/-		1			1.1		1.1									
QUALITY ASSURANCE DATA:																
TDS A/C Balance (dec. %)		1.04		1.17	0.9		1.03	1.03	0.94	1.06	1.05	1.01	0.94	0.98	0.91	0.79
ORGANICS:																
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																
Chloromethane	0.12	ND	ND			ND	ND	0.014	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)





KENNECOTT U[illegible]MPANY																								
TMW-112																								
NORTHING: 148,700.09 EASTING: 324,199.95	Groundwater Protection	2004												2005							2006			
ND = Non-detectable	Standard	2/2/2004	02/17/04	03/17/04	04/12/04	05/11/04	06/10/04	07/13/04	08/05/04	09/21/04	10/12/04	11/08/04	12/07/04	01/18/05	02/07/05	03/08/05	04/11/05	05/10/05	07/18/05	12/22/05	02/07/06	04/03/06	05/01/06	08/08/06
FIELD DATA mg/l:	(GPS)																							
Temperature (C)	as of 5/26/05	8	8	8	10	10	12	15	15	13	13	12.8	11	11	13	10	11	12	11	9	8.8	12.1	11.7	13.2
pH (Std. Units)		8.4	6.1	5.8	5.8	6.8	6.7	7.6	6.7	7.1	6.8	7.1	6.9	6.5	6.8	6.5	6.5	6.8	6.7	6.71	6.86	6.71	6.58	6.64
Cond. (umho/cm)		1000	1400	1800	1200	1200	1020	760	920	780	760	800	640	1600	1340	1000	1140	1100	820	1290	1260	1260	1860	1740
TDS																								
MAJOR IONS mg/l:																								
Alk-CaCO3		88.8			37.5						92						83		84	78	75	75		70
Bicarbonate (HCO3)		108			45.8						112						101		103	95	92	92		86
Calcium (Ca)		153			396						227						269		347	357	314	399		305
Carbonate (CO3)		-1			-1						-1						-1		-1	-1	-1	-1		-1
Chloride (Cl)		11.4			37.5						19						25		29	35	27	28		24
Fluoride (F)		0.2			0.2						0.2						0.2		0.2	0.2	0.2	0.2		0.2
Magnesium (Mg)		20.2			47.5						24.6						32.1		44.1	47.8	44.1	55.6		40.4
Nitrate-N (NO3)		-0.1			0.24						-0.1						-0.1		-0.1	-0.1	-0.1	-0.1		-0.1
Potassium (K)		6.1			7.9						5						5.5		5.7	6.6	6	6.1		5.2
Silica (SiO2)		10.3			14.1						13						13		14	11	11	12		10
Sodium (Na)		67.4			81.7						57.5						61.6		75.4	82.3	72.7	90.7		71.8
Sulfate (SO4)		474			1160						592						880		1020	1170	926	1180		933
NON-METALS:																								
Cyanide (CN)		-0.005			-0.005						-0.005						-0.005		-0.005	-0.005	-0.005	-0.005		-0.005
PHYSICAL PROPERTIES:																								
Cond (umho/cm)		1090			2280						1420						1740		1910	2230	1910	2210		1900
pH	GPS (6.8)	8.09			6.33						7.44						7.24		7.08	7.8	7.29	7.21		7.13
TDS @ 180° C.	GPS (500)	771			2040						1100						1400		1640	1920	1680	2000		1510
METALS-DISSOLVED mg/l:																								
Aluminum (Al)	GPS (1.8)	-0.1			-0.1						-0.1						-0.1		-0.1	-0.1	-0.1	-0.1		-0.1
Arsenic (As)	GPS (.05)	-0.001			0.002						0.002						-0.002		-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
Beryllium (Be)	GPS (.01)	-0.01			-0.01						-0.01						-0.01		-0.01	-0.01	-0.01	-0.01		-0.01
Boron (B)		-0.1			-0.1						-0.1						-0.1		-0.1	-0.1	-0.1	-0.1		-0.1
Cadmium (Cd)	GPS (.01)	-0.005			-0.005						-0.005						-0.005		-0.005	-0.005	-0.005	-0.005		-0.005
Chromium (Cr)	GPS (.05)	-0.01			-0.01						-0.01						-0.01		-0.01	-0.01	-0.01	-0.01		0.01
Cobalt (Co)		0.027			0.112						0.028						0.055		0.075	0.086	0.07	0.082		0.052
Copper (Cu)		-0.01			-0.01						-0.01						-0.01		-0.01	-0.01	-0.01	-0.01		-0.01
Iron (Fe)	GPS (0.6)	0.164			10.2						2.62						5.75		8.47	7.97	5.14	7.12		2.76
Lead (Pb)		-0.01			-0.01						-0.01						-0.01		-0.01	-0.01	-0.01	-0.01		-0.01
Manganese (Mn)	GPS (0.2)	0.33			0.71						0.38						0.5		0.56	0.7	0.58	0.68		0.52
Mercury (Hg)		0.0004			-0.0002						-0.0002						-0.0002		-0.0002	-0.0002	-0.0002	-0.0002		-0.0002
Molybdenum (Mo)		-0.01			-0.01						-0.01						-0.01		-0.01	-0.01	-0.01	-0.01		-0.01
Nickel (Ni)	GPS (.01)	0.05			0.15						0.04						0.08		0.12	0.11	0.09	0.1		0.07
Selenium (Se)	GPS (.01)	0.003			0.003						0.002						-0.004		-0.001	-0.001	0.002	0.001		0.002
Silver (Ag)		-0.01			-0.01						-0.01						-0.01		-0.01	-0.01	-0.01	-0.01		-0.01
Thallium (Tl)		-0.01			-0.01						-0.01						-0.01		-0.01	-0.01	-0.01	-0.01		-0.01
Vanadium (V2O5)		-0.1			-0.1						-0.1						-0.1		-0.1	-0.1	-0.1	-0.1		-0.1
Zinc (ZN)		0.02			0.08						0.02						0.04		0.04	0.03	0.03	0.04		0.04
RADIOMETRIC pCi/l:																								
Uranium, natural	GPS (36)	82.6			25.1						9.4						9.9		20.1	35.9	36.6	49.1		48.1
Radium 226		1.9			5.7						3.5						3.1		6.9	3.9	3.3	3.4		3.3
Radium Precision +/-		0.5			0.8						0.6						0.7		1	0.7	0.8	0.7		0.6
Radium 228		-1			19.8						4.4						8.4		12.4	15.5	13.1	8		12
Radium Precision +/-					1.5						1.4						1.1		1.6	1.4	1.2	1.3		0.9
Comb. Ra226/228	GPS (5.8)	1.9			25.5						7.9						11.5		19.3	19.4	16.4	11.4		15.3
Thorium 230	GPS (7.0)	-0.2			-0.2						-0.2						-0.2		-0.2	-0.2	-0.2	-0.2		-0.2
Thorium Precision +/-																								
Lead (Pb210)	GPS (8.9)	-1			-1						-1						-1		-1	-1	-1	2.8		-1
Lead Precision +/-																						1		
Gross Alpha	GPS (15)	2.6			2.5						3.8						4.2		8.5	6	7.6	8.3		4.8
Gross Alpha Precision +/-		1			1						1.2						1.5		2	1.4	1.8	1.7		1.3
QUALITY ASSURANCE DATA:																								
TDS A/C Balance (dec. %)		0.98			1.16						1.11						1.04		1.04	1.09	1.16	1.07		1.06
ORGANICS mg/L:																								
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Gasoline Range Organics (GRO)	GPS 10 (3)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
VOLATILE ORGANIC COMPOUNDS mg/L:																								
Chloromethane	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	0.0011	ND		ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	0.0023	0.0019	0.0023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
(1) - EPA MCL																								
(2) - WY Drinking Water Equivalent Level																								
(3) - WY VRP, Fact Sheet 12																								
(4) - EPA RBC - Tap Water																								
(LAB: Energy Labs Inc. unless noted.)																								

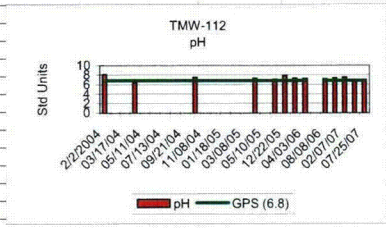
KENNECOTT U[illegible]MPANY

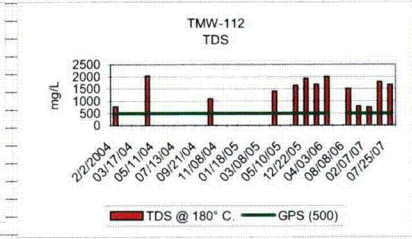
TMW-112

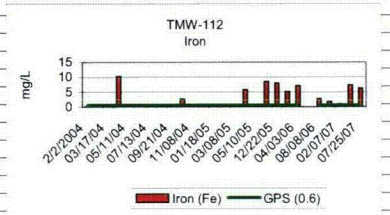
NORTHING: 148,700.09 EASTING: 324,199.95

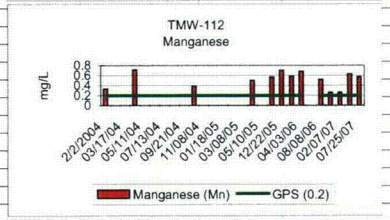
ND = Non-detectable	Groundwater Protection Standard (GPS)	11/07/06	02/07/07	05/09/07	07/25/07	10/02/07
			2007			
FIELD DATA mg/l:						
Temperature (C)	as of 5/26/05	12	10.6	10.3	11.2	10
pH (Std. Units)		6.72	7.1	6.51	6.8	7.1
Cond. (umho/cm)		1042	966	1897	1810	1248
TDS						
MAJOR IONS mg/l:						
Alk-CaCO3		99	86	68	72	85
Bicarbonate (HCO3)		121	105	83	88	103
Calcium (Ca)		161	157	370	313	188
Carbonate (CO3)		-1	-1	-1	-1	-1
Chloride (Cl)		12	13	22	24	19
Fluoride (F)		0.2	0.2	0.3	0.2	0.2
Magnesium (Mg)		21.1	21	47.8	39.7	22.8
Nitrate-N (NO3)		-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		3.9	3.9	6.1	5.8	5
Silica (SiO2)		10	11	14	12	11
Sodium (Na)		49.5	49.9	75.5	72.5	52.7
Sulfate (SO4)		469	476	1090	949	598
NON-METALS:						
Cyanide (CN)		-0.005	-0.005	-0.005	-0.005	-0.005
PHYSICAL PROPERTIES:						
Cond (umho/cm)		1120	1020	2140	1960	1420
pH	GPS (6.8)	7.33	7.5	6.92	7	7.38
TDS @ 180° C.	GPS (500)	788	744	1790	1660	1030
METALS-DISSOLVED mg/l:						
Aluminum (Al)	GPS (1.8)	-0.1	-0.1	-0.1	-0.1	-0.1
Arsenic (As)	GPS (.05)	-0.002	-0.002	-0.001	-0.001	-0.001
Barium (Ba)		-0.1	-0.1	-0.1	-0.1	-0.1
Beryllium (Be)	GPS (.01)	-0.01	-0.01	-0.01	-0.01	-0.01
Boron (B)		-0.1	-0.1	-0.1	-0.1	-0.1
Cadmium (Cd)	GPS (.01)	-0.005	-0.005	-0.005	-0.005	-0.005
Chromium (Cr)	GPS (.05)	-0.01	-0.01	-0.01	-0.01	-0.01
Cobalt (Co)		0.022	0.018	0.074	0.058	0.028
Copper (Cu)		-0.01	-0.01	-0.01	-0.01	-0.01
Iron (Fe)	GPS (0.6)	1.78	1.01	7.23	6.17	2.09
Lead (Pb)		-0.01	-0.01	-0.01	-0.01	-0.01
Manganese (Mn)	GPS (0.2)	0.26	0.26	0.63	0.57	0.35
Mercury (Hg)		-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		-0.01	-0.01	-0.01	-0.01	-0.01
Nickel (Ni)	GPS (.01)	0.02	0.02	0.1	0.07	0.03
Selenium (Se)	GPS (.01)	-0.004	-0.004	0.002	-0.001	-0.001
Silver (Ag)		-0.01	-0.01	-0.01	-0.01	-0.01
Thallium (Tl)		-0.01	-0.01	-0.01	-0.01	-0.01
Vanadium (V2O5)		-0.1	-0.1	-0.1	-0.1	-0.1
Zinc (ZN)		0.01	-0.01	0.05	0.03	0.01
RADIOMETRIC pCi/l:						
Uranium, natural	GPS (36)	34	43.3	46.1	46.4	37.6
Radium 226		2.3	2.4	5.7	4.8	3
Radium Precision +/-		0.9	0.5	0.8	0.7	0.6
Radium 228		3.4	4	12.3	16.2	7.7
Radium Precision +/-		1.3	1.2	1	1.3	0.9
Comb. Ra226/228	GPS (5.8)	5.7	3.6	18	21	10.7
Thorium 230	GPS (7.0)	-0.2	-0.2	-0.2	-0.2	-0.2
Thorium Precision +/-						
Lead (Pb210)	GPS (8.9)	-1	-1	-1	-1	-1
Lead Precision +/-						
Gross Alpha	GPS (15)	10	2.8	7.3	5.8	7.1
Gross Alpha Precision +/-		1.2	0.6	0.8	0.8	1.1
QUALITY ASSURANCE DATA:						
TDS A/C Balance (dec. %)		1	0.95	1.08	1.14	1.09
ORGANICS mg/L:						
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:						
Chloromethane	0.12	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND

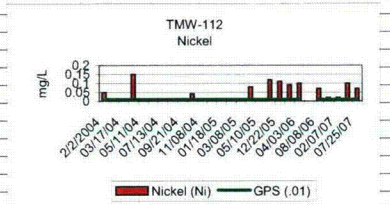
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)

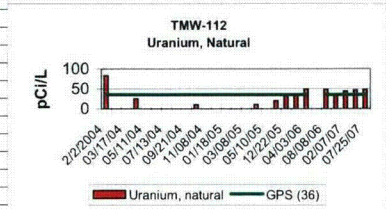


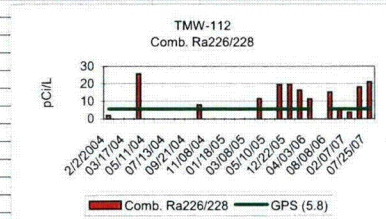










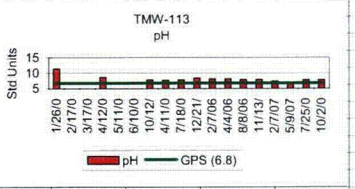


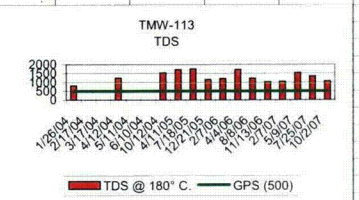
KENNECOTT UR[illegible]MPANY

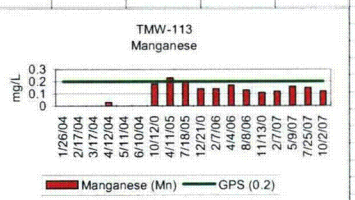
TMW-113

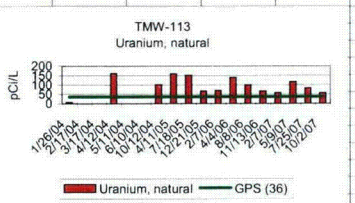
NORTHING: 148,600.06 EASTING: 324,199.95	Groundwater Protection	2004							2005			2006				2007			
ND = Non-detectable	Standard	1/26/04	2/17/04	3/17/04	4/12/04	5/11/04	6/10/04	10/12/04	4/11/05	7/18/05	12/21/05	2/7/06	4/4/06	8/8/06	11/13/06	2/7/07	5/9/07	7/25/07	10/2/07
FIELD DATA mg/l:	(GPS)																		
Temperature (C)	as of 5/26/05	8	8	8	10	10	14	12	11	12	8.2	6.3	11.3	13	9.8	8.9	10.8	11	10.3
pH (Std. Units)		12.3	11.4	10.8	10.9	8.9	7.2	7.6	7.2	7.4	7.43	7.4	7.58	7.58	7.24	7.44	7.41	7.5	7.6
Cond. (umho/cm)		2400	1140	1800	780	1000	1200	900	1260	880	1010	1070	1050	1510	1211	1298	1696	1519	1202
TDS																			
MAJOR IONS mg/l:																			
Alk-CaCO3		260			22.8			98	106	110	105	110	111	106	104	106	114	109	110
Bicarbonate (HCO3)		8			26.8			120	129	134	125	134	136	129	127	129	140	133	135
Calcium (Ca)		178			236			335	344	388	226	245	369	253	206	232	327	277	200
Carbonate (CO3)		104			-1			-1	-1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		14.3			36.3			34	44	41	29	27	34	26	19	23	28	26	25
Fluoride (F)		0.4			0.2			0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
Magnesium (Mg)		-1			21.6			28.5	32.5	36.2	20	23.1	37.5	24.2	18.7	21.7	31.7	25.3	17.4
Nitrate-N (NO3)		-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
Potassium (K)		14.8			9.1			5.4	5.8	5.3	4.4	4.5	5	4.9	3.8	4.3	4.9	4.6	4.5
Silica (SiO2)		8.1			7.6			12	12	13	13	12	13	11	12	12	11	13	12
Sodium (Na)		83.7			90.7			73.4	76.3	81.3	55.2	61.7	84.5	62	55.1	61.2	76.2	67.8	54.4
Sulfate (SO4)		391			752			838	1050	1030	675	642	992	700	546	684	859	699	568
NON-METALS:																			
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
PHYSICAL PROPERTIES:																			
Cond (umho/cm)		1730			1560			1960	2050	2010	1470	1480	1940	1610	1310	1380	1900	1640	1420
pH	GPS (6.8)	11.4			8.56			7.76	7.69	7.73	8.35	8.07	8.1	7.86	7.91	7.35	6.98	7.78	7.77
TDS @ 180° C.	GPS (500)	804			1230			1530	1710	1740	1150	1200	1700	1220	1010	1040	1530	1320	1050
METALS-DISSOLVED mg/l:																			
Aluminum (Al)	GPS (1.8)	-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
Arsenic (As)	GPS (.05)	0.001			0.006			0.005	0.007	0.006	0.004	0.002	0.004	0.003	0.003	0.003	0.003	0.003	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
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
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
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
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
Cobalt (Co)		-0.001			-0.001			0.001	-0.001	-0.001	-0.001	-0.001	0.002	-0.001	-0.001	-0.001	0.001	-0.001	-0.001
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
Iron (Fe)	GPS (0.6)	-0.05			-0.05			0.27	0.45	0.53	0.35	0.17	0.52	-0.05	-0.05	-0.05	-0.05	0.06	-0.05
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
Manganese (Mn)	GPS (0.2)	-0.01			0.03			0.18	0.23	0.2	0.14	0.14	0.17	0.13	0.11	0.12	0.16	0.15	0.12
Mercury (Hg)		0.0007			0.0013			-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
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
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
Selenium (Se)	GPS (.01)	0.009			0.003			0.002	-0.004	-0.001	-0.001	-0.001	0.002	0.001	-0.001	-0.001	0.001	-0.001	-0.001
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
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
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:																			
Uranium, natural	GPS (36)	6.2			160			100	158	150	65.7	69.4	138	97.9	66	57.1	115	80.8	55.2
Radium 226		1.1			1.6			2.8	3.3	3.9	2.1	2.2	2	2.3	4	2.2	2.8	1.8	1.8
Radium Precision +/-		0.4			0.6			0.6	0.7	0.8	0.6	0.7	0.5	0.5	0.7	0.5	0.6	0.4	0.4
Radium 228		-1			3.8			8.2	7.7	7.2	6.3	9.7	-1	4.7	8.2	3.6	6.1	6.1	5.3
Radium Precision +/-					1.1			1.5	1	1.4	1.2	1.1		0.8	1.1	1.2	0.9	0.9	0.9
Comb. Ra226/228	GPS (5.8)	1.1			5.4			11	11	11.1	8.4	11.9	2	7	12.2	5.8	8.9	7.9	7.1
Thorium 230	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
Thorium Precision +/-																			
Lead (Pb210)	GPS (8.9)	-1			-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Lead Precision +/-																			
Gross Alpha	GPS (15)	1.6			9.6			2.9	4.4	5.3	3	3.4	4.4	2.5	3.9	1.5	3.5	3	3.6
Gross Alpha Precision +/-		1			1.6			1.1	1.5	1.7	1.1	1.4	1.3	1	0.5	0.8	0.6	0.6	0.9
QUALITY ASSURANCE DATA:																			
TDS A/C Balance (dec. %)		0.96			1.06			1.1	1.05	1.05	1.06	1.11	1.04	1.07	1.09	0.95	1.09	1.12	1.11
ORGANICS mg/L:																			
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	0.058
VOLATILE ORGANIC COMPOUNDS mg/L:																			
Chloromethane	0.12	ND	ND	ND	ND	ND	ND			ND	0.012	0.0013	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	0.0022	0.0018	0.0014	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

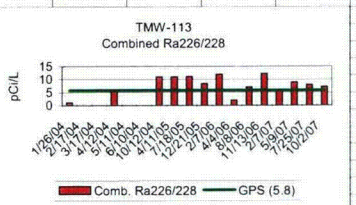
(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)





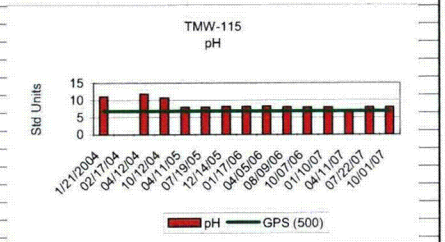
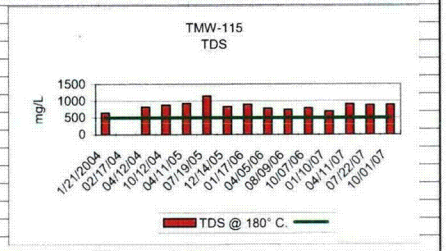
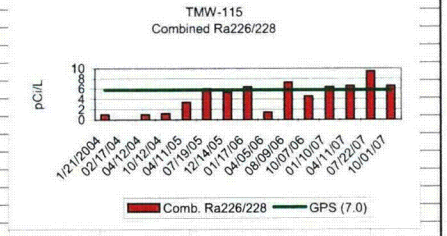






KENNECOTT U[illegible]MPANY

TMW-115

NORTHING: 148,[illegible] EASTING: 324,199.79	Groundwater Protection	2004				2005			2006				2007			
ND = Non-detectable	Standard	1/21/2004	02/17/04	04/12/04	10/12/04	04/11/05	07/19/05	12/14/05	01/17/06	04/05/06	08/09/06	10/07/06	01/10/07	04/11/07	07/22/07	10/01/07
FIELD DATA mg/l:	(GPS)															
Temperature (C)	as of 5/26/05	8	8	11	11	9	12	5.9	6.4	12.3	12.9	10.1	8.9	9.7	12	11.5
pH (Std. Units)		12.5	12.3	12.1	11.2	8.2	7.4	7.46	7.67	7.65	7.25	7.52	7.64	7.47	7.7	7.6
Cond. (umho/cm)		1100	1360	1280	780	860	640	800	870	620	960	1013	915	1130	1138	1076
TDS																
MAJOR IONS mg/l:																
Alk-CaCO3		113		266	29	23	87	115	118	117	112	115	115	110	120	128
Bicarbonate (HCO3)		13.5		6	7	28	106	140	143	142	137	141	140	134	150	156
Calcium (Ca)		129		187	192	174	269	188	180	170	151	177	151	204	198	182
Carbonate (CO3)		74.5		191	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Chloride (Cl)		9.7		8.9	16	12	18	16	16	13	14	13	14	18	14	16
Fluoride (F)		0.3		0.3	0.1	0.1	0.1	0.2	-0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1
Hydroxide as OH		16.6		-1												
Magnesium (Mg)		1.2		-0.1	3.7	13.4	20.2	16.6	15.8	14.8	13	15.2	13.4	17.9	17.1	14.8
Nitrate-N (NO3)		-0.1		14.6	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Potassium (K)		13.5		14.6	10	8.1	5.8	4.1	4.1	3.2	4	3.7	3.7	4.2	3.9	4.5
Silica (SiO2)		15.1		8.8	4	11	12	14	13	14	11	13	14	13	12	14
Sodium (Na)		70.9		79.3	66.5	62.5	59	50.5	49.6	50.5	46.2	52.1	48	55.5	55.3	54.1
Sulfate (SO4)		308		353	557	573	714	485	474	427	389	445	384	548	542	478
NON-METALS:																
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
PHYSICAL PROPERTIES:																
Cond (umho/cm)		1290		1860	1250	1250	1410	1110	1160	1050	1070	1070	976	1240	1190	1230
pH	GPS (6.8)	11		11.8	10.6	7.92	7.92	8.08	8.13	8.19	7.96	7.86	7.94	6.94	7.86	7.88
TDS @ 180° C.	GPS (500)	641		814	875	925	1150	830	890	778	744	784	696	904	874	886
METALS-DISSOLVED mg/l:																
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
Arsenic (As)	GPS (.05)	0.002		0.003	-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
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
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
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
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
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
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
Iron (Fe)	GPS (0.6)	-0.05		-0.05	-0.05	0.07	-0.05	-0.05	-0.05	-0.05	0.06	0.06	0.05	0.13	-0.05	-0.05
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
Manganese (Mn)	GPS (0.2)	-0.01		-0.01	-0.01	0.02	0.11	0.09	0.1	0.08	0.07	0.08	0.08	0.12	0.11	0.11
Mercury (Hg)		0.0011		0.006	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
Molybdenum (Mo)		0.02		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
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
Selenium (Se)	GPS (.01)	0.007		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
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
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
Vanadium (V2O5)		-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
RADIOMETRIC pCi/l:																
Uranium, natural	GPS (36)	-0.2		0.4	0.4	12.9	15.6	11.4	12.3	10.8	9.4	9.8	8.6	8.9	10.7	11.5
Radium 226		1		1	1.2	1.3	1.9	2.4	2.2	1.4	1.4	1.4	3.4	2.6	4.3	1.6
Radium Precision +/-		0.4		0.5	0.4	0.5	0.5	0.6	0.9	0.4	0.5	0.4	0.7	0.6	0.7	0.4
Radium 228		-1		-1	-1	2.1	4.1	2.9	4.2	-1	5.9	3.2	3	4	5.1	5
Radium Precision +/-						0.9	1.3	1.2	1.2		0.8	1.1	0.9	1	1	0.9
Comb. Ra226/228	GPS (5.8)	1		1	1.2	3.4	6	5.3	6.4	1.4	7.3	4.6	6.4	6.6	9.4	6.6
Thorium 230	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
Thorium Precision +/-																
Lead (Pb210)	GPS (8.9)	-1		-1	-1	-1	-1	-1	-1	-1	-1	4.4	-1	-1	-1	-1
Lead Precision +/-												1.5				
Gross Alpha	GPS (15)	3.1		-1	1.1	-1	2.6	3.1	2.8	1.4	2.3	2	1.7	4.7	4.8	4.8
Gross Alpha Precision +/-		1.1			1		1.2	0.9	1.3	0.7	1	0.6	0.5	0.9	0.5	1
QUALITY ASSURANCE DATA:																
TDS A/C Balance (dec. %)		1.07		1.01	1.01	1.07	1	0.98	1.08	1.02	1.07	0.99	1	0.98	0.95	1.05
ORGANICS mg/L:																
Diesel Range Organics (DRO)	GPS 10 (3)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND
Gasoline Range Organics (GRO)	GPS 10 (3)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC COMPOUNDS mg/L:																
Chloromethane	0.12	ND	ND	ND			ND	0.012	0.017	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	GPS 3 (2)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	GPS 0.007 (1)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	GPS 1.3 (2)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	GPS 1 (1)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	GPS 0.20 (1)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	GPS 0.012 (4)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	GPS 10 (1)	ND	ND	ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

(1) - EPA MCL
(2) - WY Drinking Water Equivalent Level
(3) - WY VRP, Fact Sheet 12
(4) - EPA RBC - Tap Water
(LAB: Energy Labs Inc. unless noted.)