UUC76.DATA

TABLE A1. UCC WATER QUALITY SAMPLE SITE INFORMATION AND SPECIFICATIONS

IMPORTANT SUMMARY NOTES ON SAMPLE SITES, 4/85 UPDATED.

- NO TWO SITES HAVE THE SAME NUMBERS; K AND P PREFIXES DESIGNATE-
- KENNECOTT MONITOR WELLS; S PREFIX DESIGNATES A SURFACE WATER SITE;-
- W PREFIX IS FOR A PRIVATE MONITOR WELL SITE,EXCEPT WHERE NOTED, -
- KENNECOTT NOW OWNS THE WELL. IN GENERAL, THE "P" PIEZOMETERS ARE-
- LOCATED JUST EAST OF THE LEACH DUMP AREA,AND ALONG BINGHAM CREEK -
- NEAR THE EVAPORATION PONDS. -
- MANY OF THE OLD DRILL LOGS IN KENNECOTT'S FILES SHOW "W"&"P" -
- PREFIXES FOR "K" WELLS. SINCE NO SAMPLE SITE NUMBER WAS -
- USED MORE THAN ONCE, ONLY THE NUMBER DESIGNATION IS CRITICAL -
- IN LOCATING A SAMPLE SITE,WELL LOG,AND CORRESPONDING WATER -
- QUALITY DATA. THE "X" PREFIX BORING LOGS ARE FOR SITES -
- ALONG THE RESERVOIR AND DRY FORK CREEK. THE X BORINGS HAVE NEVER -
- BEEN SAMPLED(SEE ADDENDUM 1 OF REPORT1,(1984). -
- NOTES FOR THIS TABLE: -
- -
- SUFFIXES FOLLOWING THE SITE DESIGNATIONS: -
- S=SHALLOW, PRIMARILY IN THE UPPER ALLUVIAL AQUIFER -
- D=DEEP, PRIMARILY IN THE DEEP PRINCIPAL AQUIFER -
- S&D= SHALLOW AND DEEP AQUIFERS -
- A= SHALLOWER OF THE 2 OR MORE KENNECOTT CLUSTERED WELLS -
- B=DEEPER OF THE 2 OR MORE KENNECOTT CLUSTERED WELLS -
- (2)THESE WELLS ARE BEING MONITORED FOR EVAPORATION POND -
- INFLUENCES AS OF 1/84 -

NOTE: SAMPLE SITES WITH "$" NEXT TO THEM WILL BE SAMPLED ANNUALLY.

SAMPLE SITES WITH "$$" WILL ALSO BE SAMPLED FOR COLIFORM & TOC ANNUALLY.

SAMPLE SITES WITH "$$$" WILL ALSO BE SAMPLED FOR RADIONUCLIDES ANNUALLY.

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	WELLS NEAR UCO MINE N-S COORDINATES	E-W COORDINATES	GROUND ELEV FT	WELL DEPTH WHEN DRILLED/ AND VERIFIED	PERFORATED ZONES FT WHEN DRILLED	WATERLEVEL FT. MSL	DATE
L=LOG INCLUDED IN REPORT1 ADDENDUM 1										
									168.64/	
$ L	*K 26 (WAS W 26)	S	1968	16445.	25275.	5164.	160.	100. - 160.	4994	11/7/78
K=KENNECOTT	K 43	D								
MONITOR WELLS L	$*K 60 (OLD KENNECOTT PROD. WELL)	D	1962	15413.	33493.	5008.	1000.	430. - 645.	4678	7/11/62
PLUGGED L	K 61	S	1963	15268.	7166.	5714.	157/157	30. - 156.	5624	7/2/76
PLUGGED L	K 62	S	1963	13650.	14671.	5612.	140.	10. - 91.	5605	5/4/79
PLUGGED	K 63	S	1963	12624.	15663.	5590.	31.	10. - 27.	5582	5/4/79
PLUGGED L	K 64	S	1964	9549.	15126.	5581.	62. -NO WATER-	10. - 62.	DRY	7/30/68
	K 65	S	1964	8365.	13976.	5667.	14.	6. - 16.	5656.6	7/18/79
PLUGGED L	K 66	S	1963	4704.	14487.	5726.	56.	10. - 56.	5708	11/8/68
GROUTED	K 67	S	1961	2745.	12842.	5971.	18.	10. - 18.	5935	3/13/75
GROUTED L	K 67A	S	1967	2600.	12900.	5800. G	175.	10. - 18.	5774	6/12/73
GROUTED IN '84 L	*K 67B	S	1972	1300.	14200.	5900. G	125.	10. - 100.	5814	7/2/81
									36.5/5863.6	10/83
L	K 68	S	1967	-1260.	12958.	5916.	80.	10. - 80.	DRY	8/9/67
DESTROYED	K 69	S	1963	-3124.	12081.	5947.	70.	10. - 70.	5918	4/16/75
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5344.	[illegible]	***** -*****	5326	6/24/83

	L	K 68	S	1957	-1260.	12958.	5916.	89.	10. - 80.	DRY	8/9/67		
DESTROYED		K 69	S	1963	-3124.	12061.	5947.	70.	10. - 70.	5918	4/16/75		
	SSS	*K 70	D	1964	9925.	19025.	5344.	312/313	***** -*****	5326	6/24/83		
										13.93/5330	10/83		
	L	*K 71	S	1963	-5736.	13911.	5710.	137.	10. - 137.	5675	8/17/81		
										33.65/5676.	10/83		
	LS	*K 72	S	1963	13841.	18189.	5459.	240.	10. - 240.	5272	6/24/83		
										184.4/5274.6	9/83		
PLUGGED	L	K 73	S	1961	14418.	9320.	5662.	170.	140. - 170.	5517	7/2/76		
PLUGGED	L	K 74	S	1961	14497.	9269.	5593.	151.	120. - 151.	5498	3/26/74		
PLUGGED	L	K 75	S	1961	14544.	9202.	5599.	154.	120. - 150.	5491	12/31/69		
PLUGGED	L	K 76	S	1961	14628.	9118.	5618.	120.	100. - 120.	5513	7/ 2/76		
PLUGGED	L	K 77	S	1961	14269.	9089.	5619.	142.	80. - 142.	5529	7/ 2/76		
PLUGGED		K 78	S	1964	15330.	7050.	5713.	102.	80. - 100.	5583	3/26/74		
PLUGGED	L	K 79	S	1964	17217.	10004.	5922.	99.	NONE	DRY	5/ /64		
PLUGGED	L	K 80	S	1967	19372.	12560.	5835.	57.	NONE	5786	6/12/73		
PLUGGED	L	K 81	D	1968	23003.	14895.	5725.	1298/ 0	NONE	5598	1968		
	L	K 82	S	1951	16288.	14588.	5422.	110/ 95	50. - 115.	DRY	6/24/83		
	L	K 83	S	1951	16031.	14582.	5426.	100.	26. - 100.	5409	6/24/83		
	L	SS *K 84	S	1966	15985.	21923.	5228.	157/42.2	OPEN	5211	6/28/83		
										20.33/5207.7	10/83		
GROUTED IN '83	L	*K 85	S	1966	16359.	21911.	5245.	100/83.3	OPEN	5211	6/28/83		
GROUTED	L	K 86	S&D	1966	15963.	26352.	5132.	302/294.3	142. - 302.	4895	6/29/83		
GROUTED	L	*K 87	D	1967	15608.	30201.	5054. G	370/358.8	235. - 375.	4965	6/29/83		
GROUTED	L	K 88	D	1966	17402.	24784.	5255.	331/323.	231. - 331.	5003	6/26/83		
PLUGGED	L	K 89	D	1966	13541.	25651.	5245.	302.	***** -*****	PLUGGED	6/24/83		
PLUGGED		K 90	D	1966	17913.	19818.	5388.	210/12.	***** -*****	DRY	6/24/83		
PLUGGED		K 91	D	1967	14654.	9535.	5612.	252.	162. - 252.	5497	7/2/76		
GROUTED	L	K 92AB		1967	16002.	22427.	5218.	410/39.8	50. - 115.	5194	6/29/83		
		K 93	D	1968	16021.	13562.	5455.	765.	685. - 765.	5430	7/2/76		
GROUTED	L	K 94	D	1967	16482.	22394.	5236.	220/73.8	200. - 220.	5179	6/83		
DESTROYED		K 95											
WELL STATUS		WELL NO.	TYPE (1)	LATE DRILLED	N-S COORDINATES	E-W	ELEV FT	WHEN DRILLED/ AND VERIFIED	ZONES FT WHEN DRILLED	FT. MSL			
L=LOG INCLUDED IN REPORT1 ADDENDUM 1													
										168.64/			
GROUTED	L	K 96	S	1967	16197.	22409.	5232.	146/67.4	***** -*****	5199	6/83		
	L	K 97	D	1967	18810.	20339.	5380.	514/21.6	280. - 500.	----			
		K 98	D	1967	13412.	14176.	5655.	1155.	***** -*****	----			
GROUTED	L	K 99	D	1967	15253.	45099.	4867.	261/220	***** -*****	4695	7/7/83		
	L	SS *K100	S	1967	16020.	22400.	5220.	60/47	40. - 60.	5197	6/2/83		
										24.45/5195.	10/83		
GROUTED	L	K101	D	1968	16721.	22385.	5275.	240/130	150. - 240.	5160	6/26/83		
PLUGGED	L	K102	D	1968	15964.	6698.	6021.	333.	338. - 408.	5703	1/20/73		
GROUTED	L	K103	D	1968	17054.	22369.	5304.	213.	145. - 213.	PLUGGED	6/28/83		
	L	K104	S	1968	16312.	22405.	5232.	78/78	45. - 75.	5199	6/26/83		
	L	SSS*K105	D	1968	14867.	22397.	5338.	350/330	190. - 350.	5129	6/83		
	LS	*K106	D	1968	17558.	26836.	5140.	501/501	380. - 493.	4769	7/83		
	L	SSS*K109	D	1968	17611.	34847.	4976.	554.	403. - 540.	4681	6/68		
		S K109 IS KENNECOTT'S CURRENT PRODUCTION WELL											
GROUTED	L	K110	D	1968	16710.	22383.	5275.	175/148	155. - 175.	5164	6/83		
	L	K111	D	1968	15559.	22396.	5262.	200/98	100. - 200.	5167	6/83		
		K112	S	1968	15770.	22367.	5260.	94/86	84. - 94.	5197	6/83		
GROUTED		K112A	S										
		K113	S	1968	16103.	22403.	5230.	76/63	52. - 72.	5197	6/83		
GROUTED	L	K114	S	1968	15907.	22391.	5230.	88/75	58. - 88.	5193	6/83		
	L	K115	S	1968	16005.	22531.	5215.	80/75	30. - 80.	5191	6/83		
	L	K116	S	1969	16197.	22401.	5231.	65/57	50. - 65.	5198	6/83		
	L	K117	S	1969	16374.	22424.	5228.	100/1102	95. - 110.	5201	6/83		
GROUTED		K117A	S	1969	16304.	22394.	5227.	110/33	40. - 100.	5200	6/83		
GROUTED		K117B											
PLUGGED	L	K118	S	1969	16105.	22493.	5225.	110/99	35. - 110.	5194	6/83		
								[illegible]	66. - 131.	5188	6/83		

	L	K117	S	1969	16504.	22394.	5227.	110/33	40. - 100.	5200	6/83
GROUTED		K117A	S								
GROUTED		K118									
PLUGGED	L	K118	S	1969	16105.	22493.	5225.	110/99	35. - 110.	5194	6/83
GROUTED	L	K119	S	1969	16104.	22642.	5213.	105/49	85. - 101.	5166	6/83
	L*	*K120	S	1969	16193.	22553.	5226.	105/104	45. - 105.	5192	6/83
PLUGGED	L	K122	S	1968	5911.	16238.	5600. G	75/	21. - 75.	5586	7/81
	L	K123	S	1967	13530.	14184.	5652.	80/	50. - 80.	5639	10/78
		*K125		****	-2950.	16500.	********	*****	***** -*****	----	
		K139	D	1971	13990.	25500.	4880.	647.	***** -*****	----	
	L	$$ *K201	D	1978	8000.	40000.	4810.	715.	140. - 615.	121.83/4688	10/83
		(2)									
	L	K203	S	1976	13970.	16555.	5559.	25.	5. - 25.	5538	8/78
	L	K204	S	1976	13710.	15600.	5555.	30.	20. - 30.	5541	5/79
	L	K205	S	1976	9290.	15400.	5550.	10.	0. - 10.	----	
	L	K206	S	1976	13745.	14905.	5590.	40.	20. - 40.	5581	5/79
KENN. ENV. LAB	$*	K349			54600.	18400.					
WELL											

WELLS NEAR UCD MINE

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	N-S	E-W COORDINATES	GROUND ELEV FT	WELL DEPTH WHEN DRILLED/ AND VERIFIED	PERFORATED ZONES FT WHEN DRILLED	DEPTH TO WATER/ WATERLEVEL FT. MSL	DATE
L=LOG INCLUDED IN REPORT1 ADDENDUM 1										
	*P155			2400.	7200.				168.64/ 103.3/	9/83
	P155=W155									
$	*P190A	S	1972	12591.	37968.	4904.	296/296	286. - 296.	4683	7/83
									224.85/4679	9/83
$	*P190B	D	1972	12581.	37976.	4904.	539/539	529. - 539.	4685	7/83
									222.54/4681.59	/83
$	*P191B	D	1972	15826.	36200.	4959.	611/611	601. - 611.	4681	7/83
									277.8/4681	9/83
$	*P191A	S	1972	15789.	36183.	4959.	315/315	305. - 315.	4681	7/83
									278.25/4681	9/83
$$$	*P192B	D	1972	16450.	40900.	4862.	528/528	528. - 538.	4681	7/83
									181.95/4680	9/83
$	*P192A	S	1972	16450.	40900.	4863.	245/245	235. - 245.	4682	7/83
									181/4682	9/83
$	*P193B	D	1972	17597.	40764.	4874.	556/556	546. - 556.	4680	7/83
									195/4679	9/83
$	*P193A	S	1972	17589.	40769.	4875.	236/236	226. - 236.	4680	7/83
									194/4681	9/83
INACCESSIBLE $	*P194A	S	1972	13583.	42190.	4847.	312/292	302. - 312.	4680	7/83
IN '83-84 ROUND1$	*P194B	D	1972	13576.	42194.	4847.	412/4217	402. - 412.	4681	7/83
	P195	D	1972	18200.	48250.	4820.	437/437	427. - 437.	4477	11/78
	P196			15800.	31500.					
$	*P196A	S	1976	15968.	31107.	5061.	335/337	325. - 335.	4767	7/83
									293/4768	10/83
GROUTED	P196B	D	1977	15974.	31998.	5060.	575/575	565. - 575.	4768	7/83
L $	*P197A	S	1977	16918.	33642.	5004.	390/387	380. - 390.	4680	7/83
									323.52/4680.8	9/83
$	*P197B	D	1977	16924.	33657.	5004.	485/485	475. - 485.	4680	7/83
									324.1/4679.99	/83
$$$	*P198	D	1977	16241.	48257.	4698.	520/520	510. - 520.	4593	7/83
									105.49/4592.51	9/83
L $$$	*P199	D(2)	1977	15539.	49288.	4677.	695/695	685. - 695.	4573	7/83
									102/4575	11/83
WELL STATUS	WELL NO.	TYPE	DATE DRILLED	N-S	E-W	ELEV FT	WHEN DRILLED/	ZONES FT WHEN DRILLED	FT. MSL	------

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	N-S COORDINATES	E-W COORDINATES	ELEV FT	WHEN DRILLED/ AND VERIFIED	ZONES FT WHEN DRILLED	FT. MSL
	L $$$ *P199	D(2)	1977	15539.	49248.	4677.	635/695	685. - 695.	105.49/+592.519/83 4573 7/83 102/4575 11/83
	L=LOG INCLUDED IN REPORT1 ADDENDUM 1								
	P201	S&D	1978	********	********	********	715/	140. - 615.	168.64/ ----
	P202	D	1978			********	625/625	600. - 610.	----
DRY	P202A	S						150. - 170.	DRY 9/83
DRY	P202B	D						350. - 370.	DRY 9/83
	$ *P202C	D		13200.	30000.			560. - 600.	335.6 9/83
PLUGGED	P203	S	1976	13970.	16555.	5559.	25	5 - 25	
PLUGGED	P204	S	1976	13710.	15600.	5555.	30	20 - 30	
PLUGGED	P205	S	1976	9290.	15400.	5550.	10	0 - 10	
PLUGGED	P206	S	1976	13745.	14905.	5590.	40	20 - 40	
	$$,$$$ *P207A	D		16000.	44000.		350/	220. - 350.	174.9/? 10/83
	$$ *P207B	D		16010.	44010.		603/	540. - 580.	205.75/? 10/83
	L $$ *P208A	S	1980	12000.	25000.	5240	310/310	300. - 310.	5005 7/29/81 230.75/ 5009.25 10/83
	L $$ *P208B	D	1980	12000.	25000.	5240	433/310	420. - 433.	5015 7/29/81 221/5019 10/83
GROUTED	P209A	D					244/		DRY 7/5/83 DRY 9/83
	$ *P209B	D		16100.	30000.		435/		327.7/? 9/83
	$ *P210B			18950.	48000.	******			101.73/? 9/83
	$ *P211A	S	1980	56000.	29600.		275/	255. - 265.	139.77/? 9/83
	L $ *P211B	D	1980	56000.	29610.		600/	540. - 550.	136.91/? 9/83
	L $ *P212B	D		7200.	24200.		425/	400. - 413.	104.8/? 9/83
	L $ *P212A	S		7200.	24190.		200/	140. - 170.	104.68/? 9/83
	L P213A	S	1978						
	L $ *P213B	D	1978	17000.	26400.		300/251	260. - 270.	241.88/? 9/83
	L $ *P213C	D	1978	17050.	26410.		403/351	362. - 372. 262. - 275. 380. - 400.	243.38/? 9/83
	$ *P214A								
	$ *P214B								
	L P215	S	1980	16000.	44000.		130/54	75. - 115.	36.85/? 10/83
PLUGGED	L P216	S	1979					65. - 105.	
COVERED	L P217	S	1979						
COVERED	L P218	S	1979						
COVERED	P219		1979						12.1/? 9/83
	$ *P220	S	1979	11400.	16000.				
COVERED	P221		1979						
COVERED	P222		1979						
COVERED	P223		1979						
COVERED	P224		1979						8.75/? 10/83
	$ *P225	S	1979	12000.	17200.				
COVERED	P226		1979						
COVERED	P227		1979						18.6/? 10/83
	$ *P228	S		-3200.	14300.				
COVERED	P229								
COVERED	P230								

```
COVERED          P230
                $ *P231                    3600.    20000.
COVERED          P232
COVERED          P233
                $ *P234  S                 4400.    14700.                                    15.62/?   10/83
(REPLACEMENT K67R)*P235  S  $$$
(REPLACEMENT P198)*P240A S  $
(REPLACEMENT P198)*P240B D  $
(REPLACEMENT P202) P241A S  $
(REPLACEMENT P202) P241B D  $

 INACCESSIBLE      P235

NOTE:  THE X SERIES PIEZOMETERS NEAR THE RESERVOIR AND PIEZOMETERS
       P217,P218, P219, P203, P204, P205, P206, P233, P223, P216, P226,
       PP227, P224, P235, P232, P229, P221, P222, ARE PLUGGED
       OR NOT SAMPLEABLE.  BORING LOGS ARE INCLUDED IN THE ADDENDUM
       TO REPORT 1, FOR X1--X14A; X-18,19,22,23,37,38,39,40,41,42,
       43,62,63,& 64.

-------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------------------------------------------
                 ------------------------------------
                 - S=SURFACE WATER SITE DESIGNATIONS, -
                 - LOCATIONS AND GEOLOGIC             -
                 - UNITS FROM WHICH SPRINGS           -
                 - WERE SAMPLED.                      -
                 -                                    -
                 ------------------------------------

                  DESIGNATIONS                  N-S       E-W     ELEVATION
JORDAN RIVER 9000S S 1 $$$*        ****        25500.    68700.     4291. G        *****        ***** -*****
JORDAN RIVER12300S S 2    *        ****         3500.    67900.     4328. G        *****        ***** -*****
JORDAN RIVER RANDOMS 3
JORDAN RIVER 9400S S 330 (WAS S11)*
-----------------------------------------------------------------
NOTE: S21-S22B ISSUE FROM LIMESTONE/PENNSYLVANIAN AGE OQUIRRH GROUP
-----------------------------------------------------------------
BUTTRFLD CK'ABOVE'
LARK MINE-BINGHAM MINE ABOVE       ****        -1400.    22500.     5275. G        *****        ***** -*****
PORTAL DRAINAGE...   S21$$*
LARK MINE-BINGHAM MINE PORTAL
DRAINAGE...........  S21A *        ****        -2150.    21900.     5300. G        *****        ***** -*****
BUTRFLD CK & BINGHAM MINE PORTAL
LARK DRAINAGE......  S21B *
SPRING-WAS USED....S 22A  *        ****        -2500.    13600.     5850. G        *****        ***** -*****
       FOR TOWN OF LARK
SPRING-BUTRFLD CK..  S22B *        ****        -3100.    15500.     5600. G        *****        ***** -*****
-----------------------------------
-----------------------------------
MIDAS DRAINAGE.....S 25
                   S 27 =W27       ****         17850.    18490.     5440. G        *****        ***** -*****
DRY FORK SHOPS     S 29            ****        - 2400.    -4000.     6200. G        *****        ***** -*****
TIEWAUKEE SHAFT    S 30
(NEAR NORTH ORE SHOOT)
PROVO RSVR CANAL                   ****        -21600.    60400.     4475. G        *****        ***** -*****
16150S 2000W......  S33  *
PROVO RSVR CANAL
9000S 4250W.DRY'83,'84 S33A *
UTLAKE DSTRBT.CANALS 34            ****        -14200.    59600.     4550. G        *****        ***** -*****
UT&SL CANAL........S 35            ****        -11400.    60500.     4475. G        *****        ***** -*****
S. JORDAN CANAL.....S 36           ****         16000.    26600.     5160. G        *****        ***** -*****
```

```
ROSE CANAL.........S 35          ****        -11400.    6600.     4475. G     *****        ***** -*****
J. JORDAN CANAL....S 36          ****         16000.   28600.     5160. G     *****        ***** -*****
BECKSTEAD DITCH....S 37          ****         18000.   64200.    ******       *****        ***** -*****
10250S 1300W
J. RIVER 10600S.      S38  *   =S35****        15400.   70100.     4307. G     *****        ***** -*****
BLANK:DISTILLED WATER S 39
BUTTERFLD. CANYON SPRING         ****        -11200.    8000.     5900. G     *****        ***** -*****
OLD SCOUT CAMP..... S40   *
  BELOW NV TRACT&MINE DUMPS
                    S 41         ****         -1700.   19300.     5420. G     *****        ***** -*****
-------------------------
                          -
C-7 DITCH           S 45  - MONITOR NEAR SMELTER
ARTHUR ADVERSE      S 45A -
MACNA ADVERSE       S 45B -
TAILINGS RETURN     S 45C -
REFINERY DRAIN      S 46  -
COMBINED STREAMS...S 46C -
-------------------------

ST.JOEXINGU.S.MINE S 47  NOTE:S47-S52 IN LARK MINE AREA UNDERGROUND
BINGHAMMETALSU.S.
MINE................S 48
BINGHAM TUNNELU.S.
MINE................S 49
1847DRIFT U.S.MINE S 50
1345 INCLINE       S 51
LARK BRANCH BINGHAM
TUNNEL U.S.MINE... S 52
BUTTERFLD.PORTAL
U.S.MINE........... S 53 $$$*      ****        -10000.    9500.     6200. G     *****        ***** -*****
J.RIVER 6400S       S 54  *                     43200.   64400.
J.RIVER 10600S      S 55       =S38****         15400.   70100.     4307. G     *****        ***** -*****
N. BINGHAM CK.      S 56  *       ****          32100.   64000.     4340. G     *****        ***** -*****
J.RIVER 8000S.      S 57  *       ****          31800.   64000.     4340. G     *****        ***** -*****
WILKINSON DRAIN     S 58          ****          30000.   63900.     4400. G     *****        ***** -*****

DRY FORK CREEKEAST S 59 DRY       ****          16500.    6000.     6100. G     *****        ***** -*****
DRY FORK CREEKWEST S 59A DRY-     ISSUE FROM THE L.PERMIAN CURRY PEAK
                                  FREEMAN PEAK FORMATIONS

MIDDLE FK WATRTUNELS121
  S121&S29 MONITORED FLOW
  FROM DOUIRRHS TO DRY FORK SHOPS APPX. 1974 NOW
  GET WATER FROM WELL 109
JORDAN RIVER146COS    S166 *      ****         -11000.   62800.     4425. G     *****        ***** -*****
BINGHAM RESERVOIR.. S200 $$,$$$*               16000.   20000.     530 5. G     *****        ***** -*****
LEACH FLUID.......    S236 $$$*
BINGHAM PIT WATERS    S237 $$$* TERTIARY INTRUSIVES
EVAP. POND INFLOW     S238 $$,$$$*
*NOW S354
J. RIVER 4800S....    S313 *
J RIVER CANAL58COS    S314 $$$,*
BUTRFLD+MIDAS
CREEKS12COW116COS..   S315 *
CRYSTAL SPRING....    S316 *     PENNSYLVANIAN LAKE POINT LIMESTONE
S. KENN. DUMP FLOW    S317 $$$*
BARNEY'S SPRING...    S318 $$$* TERTIARY VOLCANICS?
MAPLE SPRING&INFLOW   S319 *    TERTIARY VOLCANICS?
CARROL DRAIN116COS
1300W  ............   S320 $$$*
MIDAS CREEK 115COS
1300W  ............   S321 $$$*
ROSE CANYON CREEK
6400W 14000S......    S324 *   TERTIARY VOLCANICS? FLOW ALONG QUATERNARY
                               ALLUVIUM
J.RIVER 9400S.     *S 330                        23000. 64000.
        1200W.
 SPRING SAMPLE     *S343 SUPPOSEDLY FROM
```

RIVER 9400S. 1200W.	*S 350	25000.	64000.
SPRING SAMPLE 1370 W 7300S	*S343 SUPPOSEDLY FROM AN ARTESIAN WELL	36800.	63800.
SPRING SAMPLE 7560S. 1200W.	*S344	35400.	65200.
OLD EVAP. PONDS EITHER PONDS OR 5	*S350	14000.	44000.
EVAP. POND 4000 WEST	*S351	16000.	48500.
SOUTH EVAP. POND	*S352 $$	8500.	45000.
SMALL RESERVOIR (UNTREATED MINE STREAM)	*S353	17200.	21400.
TREATED COMBO. MINE STREAM (LIME TREATMENT) *WAS S238 IN '84	*S 354 $$,$$$	16000.	22000.
NOSE WATER+MINE WATER UNTREATED 80 ACRE CLAY LINED POND	*S 355 *S 356	15600.	13600.
J.RIVER EFF. NEAR COPPERTON CEMETARY	*S 357		
CEMETARY POND	*S 358		

- W=PRIVATE WELL SITES AND
- APPROXIMATE WELL LOCATONS

WELL USE CODE: IR=IRRIGATION
ST=STOCK WATERING
D=DOMESTIC
A=ABANDONED
K=KENNECOTT MONITOR WELL
M=MUNICIPALITY
IN=INDUSTRIAL

WELL USE(S)

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	WELLS NEAR UCD MINE N-S	E-W COORDINATES	GROUND ELEV FT	WELL DEPTH WHEN DRILLED/ AND VERIFIED		PERFORATED ZONES FT WHEN DRILLED	DEPTH TO WATER/ WATERLEVEL FT. MSL	DATE
L=LOG INCLUDED IN REPORT1 ADDENDUM 1										168.64/	
OWNER NAMES	DESIGNATIONS										
D.R.BATEMAN GONE 7800S 1400W	W 4	D	1911 FLOWING 10GPM W5 GONE	34675.	63225.	4350.	235.	IR	***** -*****	4348	4/71
WELBY 9200S4400W	W 5	S	1909	24875.	46125.	4677.	120.	IR	***** -*****	4628	6/74
BOOTH GONE	W 6										
LEHMITZ GONE	W 7										
------12600S6400W	W 8		****	1850.	32500.	4990.	*****	IR	***** -*****	4690	10/67
OLD HAND DUG WELL REPLACED BY W108											
MABEY 10593S2700W	W 9	GONE	****	15400.	56500.	4535. G	*****		***** -*****		
MACERS	W 10	GONE									
TATFOKA10200S3200W	W11	D	1955	18000.	53600.	4593. G	472/472	IR	190. - 471.		

[illegible] L	[illegible]	D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
LUCAS	W 12		NOT FOUND								
MICHALS	W 13	GONE							130. - 135.	4617	
BUSH	W 14		NOT FOUND								
PROVOWATERUSERS1 L	W 15	S&D	1956	7000.	46550.	4683. G	536.	IR	80. - 500.	4606	3/56
11800S4300W L		GONE									
PROVO WATER USERS2	W 16	S&D	1957	4525.	46425.	4687. G	384.	IR	50. - 384.	4658	3/57
12200S4300W L		GONE									
PHELPS11964S3600W	W 17	S	1910	6225.	50625.	4597. G	130.	D	***** -*****	4597	4/71
		FLOWING									
J.S.BUTTERFIELD	W 18	D	1954	1925.	32425.	4990. G	295.	IR	200. - 295.	4790	8/58
12000S6400W L											
H.K.BODELL(WALKER)L	W19	D	1961	650.	35600.	4928. G	391.	IR	250. - 380.	4732	6/61
6000W12800S L											
R.I.BOWLES L	W 20	D	1954	-600.	33950.	4980. G	269.		230. - 265.	4822	4/54
6250W 12900S											
J. DANSIE HANDWELL	*W22	S	1900	-1770.	23445.	5295.	*****	D,IR	***** -*****	5279	7/71
13200S 7800W											

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	N-S COORDINATES	E-W COORDINATES	ELEV FT	WHEN DRILLED/ AND VERIFIED		ZONES FT WHEN DRILLED	FT. MSL	
L=LOG INCLUDED IN REPORT1 ADDENDUM 1											
J.A.DUMONT LARK	W 23		1956			5480.			140. - 360.	168.64/ 5415	4/57
12600S 8600W											
USSR&M CO. PLUGGED W24				4500	240000	5200				5077	10/67
7800W 12200S											
ROBBE;NOW KENNECOTT	W 26	S	1968	16445.	25275.	5164.	160.	K	100. - 160.	4984	4/77
K26;10500S7500W L											
CONOCO STATION	* W 27	D	1953	17850.	18490.	5440. G	220.	A	200. - 210.	5361	8/53
COPPERTON8500W 10200S											
RAILROAD WELL										5228	2/45
DRY FORK SHOPS											
BARNEYS CANYON L	*W 31	D $$$	1945	26576.	19656.	5368.	1274.	D	149. -1218.	5023	10/67
CITY OF COPPERTON											
**NOTE: W32A-C WERE KENNECOTT'S, NOW THEY ARE COPPERTON'S											
COPPERTON CITY L	W 32A		1944	26900.	26300.	5129.	910.	M	***** -*****	----	
8100W 8900S L	W 32B	S&D	1944	27159.	21101.	5313. G	1200.	M	85. - 992.	----	
(BARNEY'SCANYON)L	W 32C	S&D	1945	26576.	19657.	5368. G	1274.	M	149. -1218.	----	
BASTIAN/HERRIMAN L	*W 41A	S$$	1950	-1700.	19300.	5420. G	190.	D,IR	45. - 73.	5405	10/67
IRRIGATION											
13200S 8400W											
H.SCHMIDT L	W 42	D	1961	20440.	53650.	4580. G	346/350	IR	218. - 344.	4424	4/61
9800S 3200W TURF FARM											
E.L.MAYNARD L	W 43	S&D	1954	-3200.	51025.	4598.	447.	IR	155. - 447.	4454	8/58
3600W13400S											
S.G.DIAMOND L	W 44	D	1961	23750.	51050.	4429. G	373.	IR	320. - 373.	4429	4/67
9200S3400W											
S.L.CTY.CNOVNCY.DST L	W54	D	1965	41980.	76590.	4305. G	1000.		351. -1000.	4284	8/65
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	375/[illegible]		***** -*****	4879	11/66

L.CTY.CNCVNCY.EST L W54 D	1965	41980.	70590.	4305. G	1000.		351. -1000.	4284	8/6
600W 6400S JONES W 95	1966	18200.	26367.	5212.	375/0		***** -*****	4879	11/66
PLUGGED									
WESTLAND HILLS#1 *W107 D	1966	20893.	43267.	4799.	400/400	IR,D,ST	262. - 366.	4643	8/66
9800S 6800W L									
WESTLAND HILLS#2 *W108 D	1967	20433.	43285.	4808.	462.	IR,D	215. - 460.	4638	9/67
9800S 6800W									
IRRIGATION WELL W124 D	1944	26900.	26300.	5129.	910/910		180. - 750.	4974	4/44
CAPPED									
T. NICOLETTI *W125=K125	****	-3000.	16500.	5660. G	*****	K	***** -*****	----	
NOW KENNECOTT'S									
J. DANSIE LARK W126 S&D	1961	-1750.	23450.	5262. G	350.	IR	80. - 350.	5397	8/61
7800W 13100S									
OHIO CU CO. L W127 S	1945	3725.	20600.	5400. G	186.		***** -*****	5400	10/45
12300S 8300W NEVER FOUND ARTESIAN .5 GPM									
W.F. BOOTH W128 S	1957	23700.	48450.	4660. G	231.		229. - 231.	4780	4/57
9400S 4000W GONE									
F. AKITA L W129 S&D	1963	8480.	52200.	4570. G	320.		170. - 320.	4420	4/63
CAN'T LOCATE									
DANSIE HERRIMAN W130	****	-1250.	26800.	5150. G	*****	D	***** -*****	----	
13100S 7200W NOT LOCATED									
C.FASSIO L * W131A $$$	1965	450.	38300.	4870. G	*****	D,ST	210. - 310.	187/-	5/65
5600W 12800S									
C.FASSIO * W131B	****	750.	38300.	4870. G	*****	D,ST	***** -*****		
C.FASSIO W131C	****	1150.	38300.	4870. G	*****	D,ST	***** -*****		
D.HAMILTON L W132 D	1965	-3475.	33550.	4900. G	528.	IR	220. - 524.	4845	3/65
13400S 4400W									
MALSTROM WELBY W133 S	1961	26140.	46650.	4655. G	160.	IR	115. - 160.	4568	6/71
*NO LONGER SAMPLEABLE									

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	N-S COORDINATES	E-W COORDINATES	ELEV FT	WHEN DRILLED/ AND VERIFIED		ZONES FT WHEN DRILLED	FT. MSL	
L=LOG INCLUDED IN REPORT1 ADDENDUM 1											
O.MADSEN L * W134 D			1966	1725.	46250.	4695. G	207.	D	192. - 207.	168.64/ 4663	9/66
12600S 4335W											
T. MASCARO L W135 S&D			1965	1700.	47675.	4670. G	273.	D	105. - 270.	4670	1/65
12600S 4335W											
RIVERTON CITY L * W136 S&D $$$			1963	1525.	48225.	4658. G	700.	D,M	140. - 414.	4577	3/63
(GARAMENDIWELL12600S 4335W)											
D.E.HAMILTON W137			****	-2500.	46700.	4685. G	*****	IR	***** -*****		
13400S 4258W											
WILCOX8700S3650W W138			1960	27440.	50675.	4575. G	168.	D	***** -*****	4430	11/67
L GONE											
8400S 3400W W139			****	29600.	51800.	4522. G	162.		***** -*****	4257	11/67
R.F.GOFF GONE											
WEBB W140			****	29000.	51500.	4530. G	135.		0 - 125	4385	11/67
8760S 3400W NOT LOCATED											
K. MOTOKI * W141				3000.	51000.			D			
12400S 3600W.											

. MOTCKI 2408S.3600W.	* W141			3000.	51000.			D			
C.M.BILLS 12191S 3600W	L * W142 S&C FLOWING		1964	3800.	51200.	4585. G	200.	D,IR	129. - 200.	4585	4/64
G.W.OAKESON 12408S 3600W	W143		****	2700.	50700.	4605. G	*****	D	***** -*****		
M.B.JENSEN(H.SEAL) 12653S. 3600W. L	*W144 S		1949	1525.	51075.	4600. G	154.	D	150. - 154.	4600	9/49
DELUCA 4091W 13400S	W145		****	-3800.	48300.	260**	*****	D	***** -*****		
BOULDEN(HATCH) 14400S 3600W L FLOWING	* W146 S&C		1955	-9925.	51060.	4662. G	500.	D	190. - 500.		
GARDINER 8660S 2550W	W147 GONE		****	27900.	57100.	4455. G	*****		***** -*****	4662	11/55
LEAKE 9000S 3000W	W148 GONE		****	25100.	54500.	4507. G	*****		***** -*****		
PAPPAS(G.FULLMER) 9200S 2200W	W149 GONE		****	24000.	58500.	4462. G	*****	D	***** -*****		
STAKE FARM 13400S 3000W	W150		****	-3700.	54500.	4540. G	202.	IR	***** -*****		
P. SCHMIDT 9120S 1700W	*W151 $$$		****	24800.	61200.	4373. G	****/90	D,IR	***** -*****		
O.J.WILKINSON 10826S 1300W	*W152 S		****	13800.	64000.	4394. G	*****	D,IR	***** -*****		

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	N-S COORDINATES	E-W COORDINATES	ELEV FT	WHEN DRILLED/ AND VERIFIED		ZONES FT WHEN DRILLED	FT. MSL	
L=LOG INCLUDED IN REPORT1 ADDENDUM 1										168.64/	
F.E.SMITH 11558S 1700W	* W153		****	9500.	61100.	4445. G	*****	D	***** -*****		
P. GROVES 11400S 1327W	L *W154 D $$$ FLOWING		1946	9800.	63750.	4375. G	215.	D	211. - 215.	4375	7/46
W.J.DAVIS 12552S 1700W	*W155 =P155 GONE		****	2400.	61200.	4437. G	220.	A	***** -*****		
H.CANNON-BLUFFDALE 13554S 1300WB.BROWNW156A	W156		****	-4450.	64200.	4375. G	*****		***** -*****		
CRUMP 1300W 1400S	W157		****	-7050.	63850.	4400. G	*****		***** -*****		
LEWIS 1700W 14500S	W158		1920	-1100.	61200.	4400. G	50.		***** -*****	4395	6/72
SORENSON CONSTRUCTION 3600W 5300S L GONE	W159S&C		1960	49950.	50575.	4492. G	350.		182. - 350.	4402	2/71
S.L.COUNTY 3200W 6200S	W160		****	44500.	53550.	4560. G	*****		***** -*****		
ST. [illegible]	W161		1907	45500.	[illegible]	4375. G	150.		***** -*****	4335	11/67

STEFFENSON 6000S 1300W NOT LOCATED FLOWING 30GPM +15'LSD		W161		1907	45300.	63800.	4375. G	150.		***** -*****	4335	11/67
L.D.PALMER 10085S 1000W	*	W162		****	18000.	66720.	4350. G	*****	D			
F.HANCOCK 10357S 1000W	L *	W163		1951	16600.	67975.	4350. G	175.	D	171. - 175.		
R.GARRETT 13650S 1200W	L *	W164	D $$$	1963	-4800.	61200.	4375. G	248.	D	135. - 235.	4375	4/63
STATE PRISON LAND 700W 14200S L		W165	D	1954	-1850.	68150.	4430. G	825.		309. - 340.	4385	3/54
MULCH PLANT 10100S 5200W L	*	W167	D	1964	19050.	40550.	4862. G	260.	D	200. - 280.	4672	7/64
D.E.HAMILTON 4358W 13400S		W170		1959	-1400.	43000.	4765. G	*****	IR	98 - 400.	4665	2/64

WELL STATUS	WELL NO.	TYPE (1)	DATE DRILLED	N-S	E-W COORDINATES	ELEV FT	WHEN DRILLED/ AND VERIFIED		ZONES FT WHEN DRILLED	FT. MSL	
L=LOG INCLUDED IN REPORT1 ADDENDUM 1											
D.E.HAMILTON 13400S 4258W		W171	1959	-2500.	43100.	4780. G	480.	IR	100 - 445	168.64/ 4659	2/64
E.H.DANSIE-WOODWARD 13000S 3400W		W172	S&D 1959	-800.	52220.	4575. G	248.	IR	135. - 235.	4458	7/59
D.E.HAMILTON 13400S 4258W	L *	W173	S&D 1954	-3300.	46500.	4692. G	625.	D,IR	138. - 615.	4562	3/58
B.GARDINER 13850S 4000W	*	W174	D $$$ 1958	-6800.	48090.	4645. G	150.	D	0. - 147.	4515	3/58
J. ADOLPHI 13800S 3301W	*	W175	REPLACED 1969	-6300.	52800.	4545. G	165.	D,ST	165-200.	4400	-/64
W.PETERSON 12400S 1300W	*	W176	$$$ FLOWING 1938	3350.	64200.	4407. G	275.	D	262. - 275.	4406	-/38
J.TRANE 8065S 1300W		W177	****	31500.	64900.	4310. G	*****	IR	***** -*****		
D.GARDNER 8446S 1300W	*	W178	FLOWING 1922	29400.	63900.	4346. G	*****	ST	***** -*****	4328	3/58
FUR BREEDERS 8400S 600W	*	W179	S&D 1946	28450.	68890.	4290. G	211.	D,ST	95. - 211.	4290	4/46
FUR BREEDERS 8400S 600W	*	W180	S&D ****	29500.	69000.	4380. G	*****	D,ST	***** -*****		
A.L.HARRISON 10437S STATE ST W181-A		W181	GONE ****	18900.	69500.	4305. G	*****		***** -*****		
D.H.GREENWOOD 10230S 300W	*	W182	1895	17450.	71000.	4375. G	114.	ST,D	X-114 4382 -/1 895		
T.GARDINER 14001S 4000W	L	W183	1919	-7800.	48800.	4670. G	150.	D	X-185 4519 3/32		

WELL STATUS WELL NO. TYPE DATE DRILLED N-S E-W ELEV FT WHEN DRILLED/ ZONES FT FT. MSL

WELL STATUS (L=LLC INCLUDED IN REPORT1 ADDENDUM 1)	WELL NO.	TYPE (1)	DATE DRILLED	N-S COORDINATES	E-W COORDINATES	ELEV FT	WHEN DRILLED/ AND VERIFIED	ZONES FT WHEN DRILLED	FT. MSL
S.STEFANOFF 2465W 126CCS	W184		1961	1300.	57CCO.	4502. G	357.	103 -347	168.64/ 4416 9/66
HERRIMAN CITY L* 6400W 13100S	W185	S&D $$$	1955	-1390.	322CO.	5020. G	615. D,IR	180. - 483.	4885 4/55
J.DANSIE HERRIMAN 1166W.MAIN	W186						D		
DEE'S 320CW 9CCCS	W187	D	1965	25200.	50850.	4595. G	440. ST,IR	200. - 440.	4410 2/65
D.BROWN 12600S 44CCW	W188	D	1956	1350.	48330.	4645. G	93. ST,D,IR	83. - 93.	4576 9/56
INTERSTATE BRICK L* 9210S 5200W	W189	D $$,$$$	1971	18900.	38600.	4880. G	647. D,IN	350. - 637	200/- 9/71 4680/ 9/71
FRAUGHTON L * 1300W 10400S	W300	$$	****	16750.	64260.	********	***** D,IR,ST	270. - 255	
ANDERSON 1300W 1CCS	*W301	D $$ FLOWING	****	19375.	64300.	********	175. IR,ST,D	80. - 160.	
NAYLOR L 1300W 90CCS	*W302	D FLOWING	****	20844.	64000.	********	***** IR	***** -*****	
BROWN 9400S 1200W	W303	D GONE	****	23250.	64250.	********	***** IR,A	***** -*****	
FARNSWORTH L 1540W 10200S	* W304		****	16825.	62875.	********	*****D,IR,ST	150. - 152.	
TAC 1700W 95CCS	* W305		****	22375.	61250.	********	*****D,IR	***** -*****	
W.GYGI 1300W 10025S(STARTED FLOWING 10 YEARS AGO WHEN CASING RUSTED OUT AT 175 FT.)	* W306	D FLOWING	*****	19175.	64250.	********	175. IR	***** -*****	
J. MCKEE 2700W 10EC6S	W307			14400.	56200.				
P.TOLBERT 1044CS 3C1Cw	* W308			16000.	54EC0.		D		
L.R.BATEMAN(2) 4475W118CCS	* L W309 $$ (2)			7400.	45400.		D		
BOWLES (2) 3846W 118CCS	* W310 $$ (2)			7000.	49600.		D		
SCHOUTEN (2) 3883W118CCS	* W311 $$ (2)			7010.	49100.		D		
B.TIDWELL(2) 1165ES 3ECCW	L * W312 $$ (2)			9000.	50000.		D		
BRENT DANSIE [illegible]	* W322			0000.	35EC0.		D		

ENT DANSIE ICESMAIN FERRIMAN	*	W322		0000.	35600.				D
L.P.WALL 14200S6446W	*	W323	NOTE: S324 IS S.W. SITE ROSE CANYON CREEK	-9000.	32100.		140.	600.P.M.	D,ST,IR
J. HOLLAND 12948S 4400W	L *	W325 $$$		0000.	45400.				D,M

WELL STATUS L=LOC INCLUDED IN REPORT1 ADDENDUM 1	WELL NO.	TYPE (1)	DATE DRILLED	WELLS NEAR UCC MINE N-S COORDINATES	E-W	GROUND ELEV FT	WELL DEPTH WHEN DRILLED/ AND VERIFIED	PERFORATED ZONES FT WHEN DRILLED	DEPTH TO WATER/ WATERLEVEL FT. MSL	DATE
RIVERTON CITY (HAMILTON) 3800W 134COS	*	W326 $$$		-3600.	50000.			D,M		168.64/
RIVERTON CITY (SMAYNARD) 3600W136COS	*	W327 $$$		-5000.	51025.			D,M		
RIVERTON CITY (GEDGE)2290W134COS	*	W328 $$$		-34000.	59000.			D,M		
WEEB,A.JENSEN 14955S 1800W	*	W329 $$		-10000.	62000.			D		
		W330=S330								
J.N.BUTTERFIELD 12256S. 4000W.	*	W331		4600.	48600.			D		
P.SELMCNSEN 7440S.HWY.111		*W332		36600.	29100.			D		
T. OTLEY 5892S. HWY.111		*W333 $$		46400.	25600.			D		
E.GOLDSMITH 7551S. 5490W.		*W334		35400.	38400.			D		
D. KUNZ 7374S. 5490W.		*W335		36000.	38500.			D		
G. LARSCN 7800S. 5250W.		*W336		33600.	40000.			D		
B. HAM 3564W. 11010S.		*W337		12200.	51600.			D		
F. WELLS 11000S. 3500W.		*W338		12600.	51800.			D		
R.K.PETERSEN 12009S. 4000W.		*W339		5800.	48600.			D		
FARMCN UT ROSES GEOTHERMAL WELL		*W340		-10000.	69600.			D,IR		
MURRAY FAIR GRDS. 5250 S. 300E.		*W341	FLOWING	50600.	78000.			D		

UT ROSES GEOTHERMAL WELL		-10000.	69600.	D,IR
MURRAY FAIR CRDS.*W341 5250 S. 300E.	FLOWING	50600.	78000.	D
MURRAY FAIR CRDS.*W342 5250 S. STATE	FLOWING	51200.	76000.	D
D.H.GREENWOOD *W345 10400S 300W		16600.	71000.	D
K.KEMP *W346 7600S. 9TH E.	FINE HOLLOW TREE FARM	35200.	77000.	D
D.H.HOLTCAMP *W347 5060S. 1250W.		52600.	64000.	D
B. CHRISTIANSEN *W348 $$ 2906W. 7000S.		39000.	54800.	D
HERCULES NEW WELL IN '84 BY EAGLE ROCK *W359		54000.	18000.	D
K.SCHULTZ 5338W.7800S. *W360		33200.	39200.	D
W.JORDAN CITY *W361 $$ 5600W.9000S.		25600.	38000.	D