CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the Anderson Mine Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

MEMO TO: File

FROM: RFLucht

Urangesellschaft Equilibrium Numbers

Equilibrium numbers for all of the Urangesellschaft core holes drilled in their last drilling program have been calculated using exactly the same techniques that were used to calculate equilibrium numbers on the rest of the property.

Based on those calculations, a revision was made to the REF contours map to reflect this new data. This revision entailted determining new REFs for the following Anderson Mine holes.

HOLE NUMBER	R.E.F.
AM-689	1.30
AM-15	1.15
AM-449	1.22
AM-146	1.20
AM-439	1.20
AM-450	1.30

The folowing Urangesellschaft core holes were calculated:

HOLE NUMBER	R.E.F.
DC 126C	.845
DC 165C	1.039
DC 171C	.914
DC 161C	1.108
DC 177C	1.131
DC 169C	1.052
DC 158C	.959
DC 145C	.912
DC 146C	.850
Tonto 8C	.897
DC 28C	1.012
DC 155C	.841
DC 176C	1.105
DC 175C	1.153

The changes to the contours on the equilibrium factors map reflect a continuation of the same pattern observed on Minerals Exploration property. A copy of this revised map is enclosed. Also enclosed are copies of the raw data supplied by Urangesellschaft for their chemical assays and copies of the calculations done on this data.

The calculations done are in Appendix I and the raw data is in Appendix II.

As soon as the Urangesellschaft data is input to the computer, additional REFs will be determined for all of their holes.

APPENDIX I

DC HOLE NO. 28C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
485	1443.5	.004	.001	
486	1442.5	.005	.001	
487	1441.5	.074	.004	.054
488	1440.5	.028	.003	.107
489	1439.5	.201	.004	.020
490	1438.5	.201	.007	.035
491	1437.5	.026	.138	5.308
492	1436.5	.016	.380	23.750
493	1435.5	.008	.024	3.000
494	1434.5	.012	.014	1.167
495	1433.5	.049	.014	.286
496	1432.5	.037	.009	.243
497	1431.5	.006	.012	2.000
498	1430.5	.006	.045	7.500
499	1429.5	.005	.005	
500	1428.5	.005	.007	
501	1427.5	.017	.005	.294
502	1426.5	.014	.004	.286
503	1425.5	.010	.012	1.200
504	1424.5	.009	.016	1.778
505	1423.5	.024	.012	.500
506	1422.5	.032	.013	.406
507	1421.5	.013	.010	.769
508	1420.5	.010	.019	1.900
509	1419.5	.013	.047	3.615
510	1418.5	.008	.011	1.375

DC HOLE NO. 28C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
511	1417.5	.009	.010	
512	1416.5	.010	.010	
513	1415.5	.014	.008	.571
514	1414.5	.016	.008	.500
515	1413.5	.046	.008	.174
516	1412.5	.032	.012*	.375
517	1411.5	.015	.013*	.867
518	1410.5	.009	.019*	2.111
519	1409.5	.009	.058*	6.444
520	1408.5	.007	.041*	5.857
521	1407.5	.007	.010*	
522	1406.5	.007	.006*	
523	1405.5	.009	.006*	
524	1404.5	.011	.006*	.545
525	1403.5	.009	.006*	
526	1402.5	.011	.007*	.636
527	1401.5	.007	.007*	
528	1400.5	.006	.010*	
529	1399.5	.009	.011*	1.222
530	1398.5	.009	.012*	1.333
531	1397.5	.010	.009*	
532	1396.5	.009	.006*	

*These assays composited to even footages

CUTOFF GRADE	R.E.F.
.01	1.004
.02	1.012
.03	1.041

DC HOLE NO. 126C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
646	1304.5		.001	
647	1303.5		.001	
648	1302.5		.002	
650	1300.5		.001	
651	1299.5		.001	
652	1298.5	.007	.001	
653	1297.5	.011	.002	.182
654	1296.5	.008	.001	
655	1295.5	.006	.001	
656	1294.5	.005	.001	
657	1293.5	.008	.003	
658	1292.5	.009	.002	
659	1291.5	.013	.027	2.077
660	1290.5	.031	.020	.645
661	1289.5	.017	.028	1.647
662	1288.5	.035	.007	.200
663	1287.5	.031	.005	.161
664	1286.5	.058	.002	.034
665	1285.5	.080	.001	.013
666	1284.5	.079	.001	.013
667	1283.5	.043	.001	.023
668	1282.5	.065	.018	.277
669	1281.5	.080	.029	.363
670	1280.5	.152	.091	.599
671	1279.5	.212	.027	.127
672	1278.5	.065	.300	4.615

DC HOLE NO. 126C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
673	1277.5	.011	.102	9.273
674	1276.5	.010	.010	1.000
675	1275.5	.011	.008	.727
676	1274.5	.039	.006	.154
677	1273.5	.021	.023	1.095
678	1272.5	.019	.102	5.368
679	1271.5	.032	.028	.875
680	1270.5	.011	.032	2.909
681	1269.5	.016	.018	1.125
682	1268.5	.015	.009	.600
683	1267.5	.035	.013	.371
684	1266.5	.036	.038	1.056
685	1265.5	.015	.018	1.200
686	1264.5	.012	.017	1.417
687	1263.5	.012	.016	1.333
688	1262.5	.010	.007	
689	1261.5	.015	.004	.267
690	1260.5	.020	.012	.600
691	1259.5	.019	.013	.684
692	1258.5	.018	.063	3.500
693	1257.5	.027	.029	1.074
694	1256.5	.051	.006	.118
695	1255.5	.037	.019	.514
696	1254.5	.033	.053	1.606
697	1253.5	.019	.038	2.000
698	1252.5	.030	.014	.467

DC HOLE NO. 126C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
699	1251.5	.028	.009	.321
700	1250.5	.025	.008	.320
701	1249.5	.037	.015	.405
702	1248.5	.057	.005	.088
703	1247.5	.045	.017	.378
704	1246.5	.028	.021	.750
705	1245.5	.016	.020	1.250
706	1244.5	.007	.009	
707	1243.5	.004	.082	20.500
708	1242.5	.004	.048	12.000
709	1241.5	.004	.034	8.500
710	1240.5	.004	.019	4.750
711	1239.5	.004	.007	
712	1238.5		.001	
713	1237.5		.001	
713'7"	1237.1		.001	

CUTOFF GRADE	R.E.F.
.01	.854
.02	.845
.03	.845

HOLE # DC 145 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
477	1418.5	.018	.002	.111
478	1417.5	.018	.003	.167
479	1416.5	.019	.004	.211
480	1415.5	.028	.003	.107
481	1414.5	.101	.005	
482	1413.5	.007	.009	
483	1412.5	.010	.007	
484	1411.5	.008	.012	1.500
485	1410.5	.012	.008	.667
486	1409.5	.013	.008	.615
487	1408.5	.016	.012	.750
488	1407.5	.015	.014	.933
489	1406.5	.013	.015	1.154
490	1405.5	.020	.020	1.000
491	1404.5	.016	.019	1.188
492	1403.5	.016	.012	.750
493	1402.5	.018	.010	.556
494	1401.5	.015	.012	.800
495	1400.5	.026	.029	1.115
496	1399.5	.033	.044	1.333
497	1398.5	.021	.017	.810
498	1397.5	.009	.011	1.222
499	1396.5	.009	.007	
500	1395.5	.013	.008	.615
501	1394.5	.009	.008	
502	1393.5	.012	.007	.583
503	1392.5	.017	.040	2.353
504	1391.5	.029	.140	4.828

HOLE # DC 145 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
505	1390.5	.021	.088	4.190
506	1389.5	.028	.016	.571
507	1388.5	.076	.013	.171
508	1387.5	.221	.015	.068
509	1386.5	.082	.018	.220
510	1385.5	.048	.048	1.000
511	1384.5	.022	.062	2.818
512	1383.5	.023	.032	1.391
513	1382.5	.016	.023	1.438
514	1381.5	.017	.012	.706
515	1380.5	.017	.016	.941
516	1379.5	.017	.013	.765
517	1378.5	.016	.015	.939
518	1377.5	.019	.014	.737
519	1376.5	.016	.014	.875
520	1375.5	.019	.014	.737
521	1374.5	.016	.015	.938
522	1373.5	.017	.013	.765
523	1372.5	.012	.013	1.083
524	1371.5	.017	.010	.588
525	1370.5	.014	.010	.714
526	1369.5	.009	.013	1.444
527	1368.5	.009	.008	
528	1367.5	.010	.007	
529	1366.5	.018	.009	.500
530	1365.5	.009	.009	
531	1364.5	.013	.008	.615
532	1363.5	.010	.007	

HOLE # DC 145C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
533	1362.5	.017	.009	.529
534	1361.5	.009	.013	1.444
535	1360.5	.010	.009	
536	1359.5	.009	.009	
537	1358.5	.012	.032	2.667
538	1357.5	.018	.043	2.389
539	1356.5	.025	.121	4.840
540	1355.5	.033	.087	2.636
541	1354.5	.134	.010	.075
542	1353.5	.108	.005	.046
543	1353.5	.023	.004	.174
544	1351.5	.011	.004	.364
545	1350.5	.008	.004	
---	---	---	---	---
557	1338.5	.015	.029	1.933
558	1337.5	.018	.056	3.111
559	1336.5	.034	.012	.353
560	1335.5	.030	.008	.267
561	1334.5	.012	.002	.167
562	1333.5	.007	.001	
---	---	---	---	---
568	1327.5	.010	.005	
569	1326.5	.010	.005	
570	1325.5	.009	.007	
571	1324.5	.017	.036	2.118
572	1323.5	.036	.048	1.333
573	1322.5	.031	.026	.839
574	1321.5	.028	.014	.500
575	1320.5	.017	.011	.647
576	1319.5	.012	.008	.667

HOLE # DC 145 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
577	1318.5	.008	.005	
578	1317.5	.007	.005	
579	1316.5	.006	.006	
580	1315.5	.007	.006	
581	1314.5	.007	.004	
582	1313.5	.008	.008	
583	1312.5	.008	.010	
584	1311.5	.008	.016	2.000
585	1310.5	.011	.022	2.000
586	1309.5	.011	.033	3.000
587	1308.5	.014	.021	1.500
588	1307.5	.023	.013	.565
589	1306.5	.034	.007	.206
590	1305.5	.021	.044	2.095
591	1304.5	.018	.006	.333
592	1303.5	.022	.008	.364
593	1302.5	.017	.009	.529
594	1301.5	.011	.009	.818
595	1300.5	.013	.002	.154
596	1299.5	.012	.002	.167
597	1298.5	.008	.001	

CUTOFF GRADE	R.E.F.
.010	.848
.020	.912
.030	.960

DC HOLE NO. 146C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
576	1348	.006		
577	1347	.007		
578	1346	.007		
579	1345	.007		
580	1344	.007		
581	1343	.007		
582	1342	.007		
583	1341	.009		
584	1340	.007		
585	1339	.009		
586	1338	.015		
587	1337	.020		
588	1336	.014		
589	1335	.008		
590	1334	.009		
591	1333	.009	.013	1.444
592	1332	.003	.004	
600	1324	.007	.003	
601	1323	.006	.003	
602	1322	.003	.006	
605	1319	.007	.002	
606	1318	.014	.003	.214
607	1317	.011	.003	.273
608	1316	.014	.001	.214

DC HOLE NO. 146C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
609	1315	.017	.001	.059
610	1314	.007	.013	1.857
611	1313	.006	.006	
612	1312	.006	.009	
613	1311	.005	.017	3.400
614	1310	.006	.003	
615	1309	.034	.004	.118
616	1308	.012	.006	.500
617	1307	.012	.004	.333
618	1306	.016	.022	1.375
619	1305	.016	.014	.875
620	1304	.013	.005	.385
621	1303	.023	.014	.609
622	1302	.011	.009	.818
623	1301	.014	.011	.786
624	1300	.013	.012	.923
625	1299	.012	.017	1.417
626	1298	.012	.007	.583
627	1297	.011	.017	1.545
628	1296	.008	.008	
629	1295	.011	.014	1.273
630	1294	.015	.010	.667
631	1293	.015	.008	.533
632	1292	.032	.009	.281
633	1291	.142	.010	.070
634	1290	.182	.009	.049

DC HOLE NO. 146C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
635	1289	.087	.012	.138
636	1288	.015	.025	1.667
637	1287	.009	.133	14.778
638	1286	.008	.192	24.000
639	1285	.013	.059	4.538
640	1284	.008	.007	
641	1283	.006	.006	
642	1282	.006	.013	2.167
645	1279	.007	.004	
646	1278	.009	.004	
647	1277	.011	.003	.273
648	1276	.010	.003	
649	1275	.011	.004	.364
650	1274	.003	.007	
651	1273	.003	.009	
652	1272	.007	.008	
653	1271	.007	.009	
654	1270	.009	.004	
655	1259	.017	.002	.118
656	1268	.013	.004	.308
657	1267	.015	.005	.333
658	1266	.010	.003	
659	1265	.013	.010	.769
660	1264	.032	.008	.250
661	1263	.047	.006	.128

DC HOLE NO. 146C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
662	1262	.036	.013	.361
663	1261	.024	.005	.208
664	1260	.020	.005	.250
665	1259	.024		
666	1258	.028		
667	1257	.016		
668	1256	.012		
669	1255	.019		
670	1254	.026		
671	1253	.022		
672	1252	.014		
673	1251	.011		
674	1250	.007		
675	1249	.007		
676	1248	.007		
677	1247	.007		
678	1246	.006		
679	1245	.005		
680	1244	.005		
681	1243	.005		
682	1242	.006		
683	1241	.003		
691	1233	.008		
692	1232	.008		
693	1231	.007		

DC HOLE NO. 146C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
694	1230	.006		
695	1229	.007		
696	1228	.008		
711	1213	.011	.004	.364
712	1212	.015	.019	1.267
713	1211	.015	.011	.733
714	1210	.013	.012	.923
715	1209	.010	.011	1.100
716	1208	.008	.008	
717	1207	.009	.009	
718	1206	.011	.013	1.182
719	1205	.014	.016	1.143
720	1204	.013	.013	1.000
721	1203	.014	.006	.429
722	1202	.004	.002	
880	1044	.007		
881	1043	.008		
882	1042	.010		
883	1041	.010		
884	1040	.009		
885	1039	.009		
886	1038	.010		
887	1037	.011		
888	1036	.010		

DC HOLE NO. 146C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
889	1035	.017		
890	1034	.011		
891	1033	.014	.003	.214
892	1032	.007	.015	2.143
900	1024	.008	.002	
901	1023	.008	.005	
902	1022	.013	.005	
903	1021	.010	.010	1.000
904	1020	.013	.008	.615
905	1019	.022	.009	.409
906	1018	.060	.011	.183
907	1017	.036	.027	.750
908	1016	.058	.083	1.431
909	1015	.056	.055	.982
910	1014	.037	.072	1.946
911	1013	.036	.044	1.222
912	1012	.019	.040	2.105
913	1011	.074	.023	.311
914	1010	.057	.017	.298
915	1009	.022	.085	3.864
916	1008	.010	.021	2.100
917	1007	.049	.015	.306
918	1006	.037	.007	.189
919	1005	.017	.026	1.529
920	1004	.052	.013	.250

DC HOLE NO. 146C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
921	1003	.062	.030	.484
922	1002	.014	.075	5.357
923	1001	.013	.043	3.308
924	1000	.011	.006	.545
925	999	.010	.006	
926	998	.008	.007	
927	997	.006	.006	

CUTOFF GRADE	R.E.F.
.010	.814
.020	.850
.030	.840

DC HOLE NO. DC 155C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
514	1467.5	.004		
515	1466.5	.019		
516	1465.5	.016	.028	1.750
517	1464.5	.009	.013	1.444
519	1463.5	.011	.007	.636
520	1461.5	.010		
521	1460.5	.009		
522	1459.5	.007		
523	1458.5	.010		
524	1457.5	.015		
525	1456.5	.015		
526	1455.5	.020	.013	.650
527	1454.5	.026	.014	.538
528	1453.5	.030	.031	1.033
529	1452.5	.039	.023	.590
530	1451.5	.017	.048	2.824
531	1450.5	.015	.013	.867
532	1449.5	.012	.011	.917
533	1448.5	.009	.015	1.667
534	1447.5	.013	.012	.923
535	1446.5	.028	.008	.286
536	1445.5	.016		
537	1444.5	.009		
538	1443.5	.009		
539	1442.5	.018		
540	1441.5	.013		

DC HOLE NO. 155C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
541	1440.5	.008		
542	1439.5	.012	.007*	.582
543	1438.5	.009	.005*	
544	1437.5	.007	.021*	3.000
545	1436.5	.023	.054*	2.348
546	1435.5	.068	.038*	.559
547	1434.5	.076	.006*	.079
548	1433.5	.014	.006*	.429
549	1432.5	.009		
550	1431.5	.009		
551	1430.5	.019		
552	1429.5	.013		
553	1428.5	.010		
554	1427.5	.006		
555	1426.5	.009		
556	1425.5	.016		
557	1424.5	.013	.015*	1.154
558	1423.5	.015	.007*	.467
559	1422.5	.015	.030*	2.000
560	1421.5	.046	.041*	.891
561	1420.5	.043	.014*	.326
562	1419.5	.016	.011*	.688
563	1418.5	.015		
564	1417.5	.013		
565	1416.5	.009		
566	1415.5	.008		

DC HOLE NO. 155C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
567	1414.5	.005		
568	1413.5	.006		
569	1412.5	.009		
570	1411.5	.013		
571	1410.5	.014		
572	1409.5	.012		
573	1408.5	.010		
574	1407.5	.006		
575	1406.5	.005		
576	1405.5	.005		
577	1404.5	.005		
578	1403.5	.006	.004'	
579	1402.5	.015	.005'	.333
580	1401.5	.024	.027'	1.125
581	1400.5	.010	.013'	1.300
582	1399.5	.009	.006'	
583	1398.5	.009	.007'	
584	1397.5	.033	.022'	.667
585	1396.5	.045	.046'	1.022
586	1395.5	.013	.017'	1.308
587	1394.5	.006	.006'	
588	1393.5	.003		
596	1385.5	.003		
597	1384.5	.006		
598	1383.5	.038		
599	1382.5	.015		

DC HOLE NO. 155C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
600	1381.5	.017		
601	1380.5	.013		
602	1379.5	.010		
603	1378.5	.013		
604	1377.5	.010		

CUTOFF GRADE	R.E.F.
.01	.840
.02	.841
.03	.769

* Gamma 2' down
' Gamma 4' down

HOLE # DC 158 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
374	1472.5	.011		
375	1471.5	.022		
376	1470.5	.081		
377	1469.5	.098		
378	1468.5	.067		
379	1467.5	.051		
380	1466.5	.046		
381	1465.5	.033	.029	.879
382	1464.5	.029	.014	.483
383	1463.5	.037	.046	1.243
384	1462.5	.029	.052	1.793
385	1461.5	.035	.016	.457
386	1460.5	.032	.017	.531
387	1459.5	.023	.013	.565
388	1458.5	.024	.015	.625
389	1457.5	.020	.023	1.150
390	1456.5	.019	.028	1.474
391	1455.5	.034	.031	.912
392	1454.5	.025	.017	.680
393	1453.5	.039	.013	.333
394	1452.5	.026	.015	.577
395	1451.5	.010	.019	1.900
396	1450.5	.012	.014	1.167
397	1449.5	.025	.021	.840
398	1448.5	.023	.022	.957
399	1447.5	.024	.022	.917
400	1446.5	.023	.028	1.217
401	1445.5	.027	.023	.852

HOLE # DC 158 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
402	1444.5	.027	.029	1.074
403	1443.5	.021	.034	1.619
404	1442.5	.031	.026	.839
405	1441.5	.039	.029	.744
406	1440.5	.026	.011	.423
407	1439.5	.023	.012	.522
408	1438.5	.012	.009	.750
409	1437.5	.011	.006	.545
410	1436.5	.011	.006	.545
---	---	---	---	---
440	1406.5	.013	.003	.231
441	1405.5	.016	.003	.188
442	1404.5	.010	.003	
443	1403.5	.009	.005	
444	1402.5	.007	.013	1.857
445	1401.5	.007	.008	
446	1400.5	.006	.012	2.000
447	1399.5	.006	.022	3.667
448	1398.5	.006	.027	4.500
449	1397.5	.007	.036	5.143
450	1396.5	.010	.027	2.700
451	1395.5	.013	.006	.462
452	1394.5	.015	.006	.400
453	1393.5	.016	.002	.125
454	1392.5	.022	.001	.045
455	1391.5	.038	.001	.026
456	1390.5	.032	.001	.031
457	1389.5	.012	.002	.167
458	1388.5	.008	.003	

HOLE # DC 158 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
459	1387.5	.006	.007	
460	1386.5	.006	.011	1.833
461	1385.5	.006	.053	8.833
462	1384.5	.006	.007	
463	1383.5	.006	.011	1.833
464	1382.5	.006	.012	2.000
465	1381.5	.017	.017	1.000
466	1380.5	.024	.024	1.000
467	1379.5	.014	.007	.500
468	1378.5	.012	.005	.417
469	1377.5	.010	.009	
470	1376.5	.018	.006	.333
471	1375.5	.016	.006	.375
472	1374.5	.013	.008	.615
473	1373.5	.010	.010	
474	1372.5	.009	.009	
475	1371.5	.009	.033	3.667
476	1370.5	.007	.013	1.857
477	1369.5	.010	.010	
478	1368.5	.013		
479	1367.5	.019		
480	1366.5	.018		
481	1365.5	.017		
482	1364.5	.019		
483	1363.5	.021		
484	1362.5	.021		
485	1361.5	.023		
486	1360.5	.021		

HOLE # DC 158 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
487	1359.5	.014		
488	1358.5	.013		
489	1357.5	.013	.033	2.538
490	1356.5	.034	.011	.324
491	1355.5	.101	.011	.109
492	1354.5	.220	.098	.445
493	1353.5	.108	.283	2.620
494	1352.5	.044	.068	1.545
495	1351.5	.041	.061	1.488
496	1350.5	.039	.081	2.077
497	1349.5	.052	.018	.346
498	1348.5	.025	.033	1.320
499	1347.5	.022	.009	.409
500	1346.5	.028	.012	.429
501	1345.5	.023	.009	.391
502	1344.5	.018	.008	.444
503	1343.5	.013	.009	.692
504	1342.5	.014	.001	.071
505	1341.5	.014	.001	.071
506	1340.5	.012	.004	.333
507	1339.5	.007	.004	

Cutoff Grade	R.E.F.
.01	.904
.02	.959
.03	1.014

DC HOLE NO. 161C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
511	1446.5		.003	
512	1445.5		.004	
513	1444.5		.003	
514	1443.5		.002	
515	1442.5		.001	
516	1441.5		.003	
517	1440.5		.001	
518	1439.5	.002	.002	
519	1438.5	.006	.002	
520	1437.5	.032	.003	.094
521	1436.5	.016	.003	.188
522	1435.5	.016	.002	.125
523	1434.5	.013	.032	2.462
524	1433.5	.021	.014	.667
525	1432.5	.033	.023	.697
526	1431.5	.055	.014	.255
527	1430.5	.045	.018	.400
528	1429.5	.012	.004	.333
529	1428.5	.017	.012	.706
530	1427.5	.023	.041	1.783
531	1426.5	.039	.012	.308
532	1425.5	.030	.010	.333
533	1424.5	.034	.012	.353
534	1423.5	.039	.010	.256
535	1422.5	.039	.041	1.051
536	1421.5	.028	.037	1.321

DC HOLE NO. 161C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
537	1420.5	.042	.017	.405
538	1419.5	.029	.027	.931
539	1418.5	.031	.121	3.903
540	1417.5	.018	.016	.889
541	1416.5	.021	.037	1.762
542	1415.5	.017	.031	1.824
543	1414.5	.022	.032	1.455
544	1413.5	.021	.025	1.190
545	1412.5	.026	.023	.885
546	1411.5	.022	.019	.864
547	1410.5	.015	.018	1.200
548	1409.5	.013	.020	1.538
549	1408.5	.016	.025	1.563
550	1407.5	.009	.021	2.333
551	1406.5	.007	.016	2.286
552	1405.5	.009	.014	1.556
553	1404.5	.008	.015	1.875
554	1403.5	.009	.011	1.222
555	1402.5	.006	.006	
556	1401.5	.009	.008	
557	1400.5	.009	.006	
558	1399.5	.008	.007	
559	1398.5	.008	.007	
560	1397.5	.007	.005	
561	1396.5	.008	.009	
562	1395.5	.013	.009	.692

DC HOLE NO. 161C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
561	1396.5	.008	.009	
562	1395.5	.013	.009	.692
563	1394.5	.010	.008	
564	1393.5	.008	.007	
565	1392.5	.007	.007	
566	1391.5	.007	.009	
567	1390.5	.006	.011	1.833
568	1389.5	.013	.006	.462
569	1388.5	.034	.006	.176
570	1387.5	.053	.004	.075
571	1386.5	.020	.005	.250
572	1385.5	.018	.005	.278
573	1384.5	.014	.009	.643
574	1383.5	.019	.044	2.316
575	1382.5	.010	.041	4.100
576	1381.5	.009	.009	
577	1380.5	.006	.010	
578	1379.5	.008	.016	2.000
579	1378.5	.009	.015	1.667
580	1377.5	.010	.010	
581	1376.5	.011	.006	.545
582	1375.5	.011	.005	.455
583	1374.5	.009	.009	
584	1373.5	.006	.009	
585	1372.5	.008	.012	1.500
586	1371.5	.010	.010	

DC HOLE NO. 161C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
587	1370.5	.009	.010	
588	1369.5	.002	.007	
589	1368.5		.006	
590	1367.5		.012	
591	1366.5		.010	
592	1365.5	.006	.003	
593	1364.5	.010	.003	
594	1363.5	.016	.002	.125
595	1362.5	.037	.001	.027
596	1361.5	.039	.004	.103
597	1360.5	.016	.004	.250
598	1359.5	.016	.007	.438
599	1358.5	.066	.046	.697
500	1357.5	.068	.044	.647
601	1356.5	.023	.035	1.522
602	1355.5	.017	.008	.471
603	1354.5	.026	.018	.692
604	1353.5	.027	.124	4.593
605	1352.5	.015	.038	2.533
606	1351.5	.006	.014	2.333
607	1350.5	.006	.036	6.000
608	1349.5	.006	.035	5.833
609	1348.5	.006	.016	2.667
610	1347.5		.003	
611	1346.5		.002	
612	1345.5		.002	
613	1344.5		.001	

DC HOLE NO. 161C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
614	1343.5		.001	
615	1342.5	.008	.001	
616	1341.5	.011	.001	.091
617	1340.5	.014	.002	.0143
618	1339.5	.007	.002	
619	1338.5	.005	.012	2.400
620	1337.5	.007	.011	1.571
621	1336.5	.013	.012	.923
622	1335.5	.007	.006	
623	1334.5	.006	.003	
624	1333.5	.007	.013	1.857
625	1332.5	.005	.011	2.200
626	1331.5	.009	.007	
627	1330.5	.015	.004	.267
628	1329.5	.018	.006	.333
629	1328.5	.035	.004	.114
630	1327.5	.009	.006	
631	1326.5	.015	.020	1.333
632	1325.5	.018	.017	.944
633	1324.5	.034	.015	.441
634	1323.5	.032	.012	.375
635	1322.5	.020	.021	1.050
636	1321.5	.034	.014	.412
637	1320.5	.015	.045	3.000
638	1319.5	.013	.015	1.154
639	1318.5	.057	.122	2.140
640	1317.5	.035	.014	.400

DC HOLE NO. 161C

		U_3O_8		
DEPTH	ELEVATION	GAMMA	CHEMICAL	R.E.F.
641	1316.5	.023	.009	.391
642	1315.5	.020	.160	8.000
643	1314.5	.017	.012	.706
644	1313.5	.033	.011	.333
645	1312.5	.028	.013	.464
646	1311.5	.014	.034	2.429
647	1310.5	.009	.046	5.111
648	1309.5	.009	.036	4.000
649	1308.5	.005	.005	
650	1307.5	.005	.004	
651	1306.5		.003	
652	1305.5		.003	
653	1304.5		.001	
654	1303.5		.001	
655	1302.5		.001	
656	1301.5		.001	
657	1300.5		.001	
658	1399.5		.001	
659	1298.5		.001	
660	1297.5		.001	
661	1296.5		.001	
662	1295.5		.001	
663	1294.5		.001	

CUTOFF GRADE	R.E.F.
.01	1.037
.02	1.108
.03	1.168

DC HOLE NO. 165C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
546	1408.5	.006	.005	
547	1407.5	.007	.004	
548	1406.5	.008	.007	
549	1405.5	.007	.008	
550	1404.5	.008	.006	
551	1403.5	.013	.005	.385
552	1402.5	.015	.013	.867
553	1401.5	.026	.010	.385
554	1400.5	.011	.033	3.000
555	1399.5	.003	.004	
556	1398.5		.004	
557	1397.5		.002	
558	1396.5		.002	
559	1395.5	.006	.002	
560	1394.5	.009	.002	
561	1393.5	.008	.002	
562	1392.5	.003	.007	
563	1391.5		.002	
564	1390.5		.002	
565	1389.5		.002	
566	1388.5		.002	
567	1387.5		.002	
568	1386.5		.002	
569	1385.5		.002	
570	1384.5		.001	
571	1383.5		.002	

DC HOLE NO. 165 C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
572	1382.5		.002	
573	1381.5		.003	
574	1380.5	.005	.003	
575	1379.5	.017	.003	.176
576	1378.5	.021	.002	.095
577	1377.5	.171	.036	.211
578	1376.5	.046	.211	4.587
579	1375.5	.088	.048	.545
580	1374.5	.019	.027	1.421
581	1373.5	.021	.019	.905
582	1372.5	.007	.006	
583	1371.5	.008	.006	
584	1370.5	.005	.005	
585	1369.5	.006	.007	
586	1368.5	.008	.005	
587	1367.5	.026	.008	.308
588	1366.5	.012	.010	.833
589	1365.5	.013	.028	2.154
590	1364.5	.016	.013	.813
591	1363.5	.017	.013	.765
592	1362.5	.024	.017	1.417
593	1361.5	.022	.022	1.000
594	1360.5	.014	.032	2.286
595	1359.5	.016	.020	1.250
596	1358.5	.019	.013	.684
597	1357.5	.014	.018	1.286

DC HOLE NO. 165C

		U_3O_8		
DEPTH	ELEVATION	GAMMA	CHEMICAL	R.E.F.
598	1356.5	.013	.012	.923
599	1355.5	.007	.015	2.143
600	1354.5	.007	.008	
601	1353.5	.006	.008	
602	1352.5	.007	.005	
603	1351.5	.008	.007	
604	1350.5	.009	.020	2.222
605	1349.5	.010	.010	1.000
606	1348.5	.005	.011	2.200
607	1347.5	.005	.020	4.000
608	1346.5	.007	.003	
609	1345.5	.007	.005	
610	1344.5	.006	.007	
611	1343.5	.006	.006	
612	1343.5	.010	.004	
613	1341.5	.011	.007	.636
614	1340.4	.010	.009	
615	1339.5	.010	.009	
616	1338.5	.012	.007	.583
617	1337.5	.013	.009	.692
618	1336.5	.018	.010	.556
619	1335.5	.026	.012	.462
620	1334.5	.023	.011	.478
621	1333.5	.010	.033	3.300
622	1332.5	.010	.026	2.600
623	1331.5	.010	.007	
624	1330.5	.016	.009	.563

DC HOLE NO. 165C

		U_3O_8		
DEPTH	ELEVATION	GAMMA	CHEMICAL	R.E.F.
625	1329.5	.029	.007	.241
626	1328.5	.029	.010	.345
627	1327.5	.018	.057	3.167
628	1326.5	.010	.026	2.600
629	1325.5	.007	.012	1.714

CUTOFF GRADE	R.E.F.
.010	1.017
.020	1.039
.030	1.257

DC HOLE NO. 169C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
606	1315		.004	
607	1314		.005	
608	1313	.003	.006	
609	1312	.009	.007	
610	1311	.012	.016	1.333
611	1310	.024	.016	.667
612	1309	.018	.016	.889
613	1308	.022	.016	.727
614	1307	.019	.015	.789
615	1306	.019	.010	.526
616	1305	.018	.052	2.889
617	1304	.019	.015	.789
618	1303	.018	.014	.778
619	1302	.016	.010	.625
620	1301	.011	.008	.727
621	1300	.015	.010	.667
622	1299	.021	.021	1.000
623	1298	.025	.010	.400
624	1297	.026	.014	.538
625	1296	.015	.010	.667
626	1295	.020	.012	.600
627	1294	.016	.012	.750
628	1293	.020	.012	.600
629	1292	.036	.011	.306
630	1291	.048	.030	.625
631	1290	.030	.045	1.500

DC HOLE NO. 169C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
632	1289	.027	.030	1.111
633	1288	.016	.014	.875
634	1287	.021	.026	1.238
635	1286	.015	.014	.933
636	1285	.018	.030	1.667
637	1284	.021	.022	1.048
638	1283	.022	.028	1.273
639	1282	.026	.030	1.154
640	1281	.031	.035	1.129
641	1280	.028	.039	1.393
642	1279	.062	.035	.565
643	1278	.027	.028	1.037
644	1277	.013	.019	1.462
645	1276	.008	.009	
646	1275	.010	.009	
647	1274	.011	.009	.818
648	1273	.019	.017	.895
649	1272	.020	.020	1.000
650	1271	.016	.018	1.125
651	1270	.015	.008	.533
652	1269	.014	.017	1.214
653	1268	.007	.010	
654	1267	.007	.005	
655	1266	.007	.006	

DC HOLE NO. 169C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
666	1255	.006	.007	
667	1254		.007	
668	1253		.004	
669	1252		.003	
670	1251		.002	
671	1250		.002	
672	1249	.008	.001	
673	1248	.011	.013	1.182
674	1247	.007	.007	
675	1246	.003	.002	
676	1245		.002	
677	1244		.002	
678	1243		.002	
679	1242		.001	
680	1241		.002	
681	1240		.001	
682	1239		.002	
683	1238	.007	.013	1.857
684	1237	.011	.008	.727
685	1236	.011	.007	.636
686	1235	.008	.006	
687	1234		.004	
688	1233		.001	
689	1232		.001	
690	1231		.002	
691	1230		.002	

DC HOLE NO. 169C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
692	1229		.002	
693	1228		.001	
694	1227		.001	
695	1226		.001	
696	1225		.001	
697	1224		.001	
698	1223		.001	
699	1222		.001	
700	1221		.001	
701	1220		.001	
702	1219	.008	.003	
703	1218	.020	.007	.350
704	1217	.012	.021	1.750
705	1216	.003	.004	
706	1215		.004	
707	1214	.003	.004	
708	1213	.009	.004	
709	1212	.007	.008	
710	1211	.010	.006	
711	1210	.011	.005	.455
712	1209	.013	.008	.615
713	1208	.009	.009	
714	1207	.008	.006	
715	1206	.009	.007	
716	1205	.010	.008	
717	1204	.015	.005	.333

DC HOLE NO. 169C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
718	1203	.020	.010	.500
719	1202	.024	.022	.917
720	1201	.026	.025	.962
721	1200	.034	.017	.500
722	1199	.013	.045	3.462
723	1198	.007	.035	5.000
724	1197	.007	.006	
725	1196	.007	.003	
726	1195		.002	
727	1194		.001	
728	1193		.001	
729	1192		.001	
730	1191		.001	
731	1190		.001	
732	1189		.001	
733	1188		.001	
734	1187		.001	
735	1186		.001	
736	1185		.001	
737	1184		.001	
738	1183		.001	

CUTOFF GRADE	R.E.F.
.01	.938
.02	1.052
.03	1.121

DC HOLE NO. 171C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
661	1320		.002	
662	1319		.002	
663	1318		.003	
664	1317		.001	
665	1316		.001	
666	1315		.001	
667	1314		.001	
668	1313		.002	
669	1312		.003	
670	1311		.003	
671	1310		.002	
672	1309	.004	.003	
673	1308	.009	.001	
674	1307	.008	.007	
675	1306	.010	.004	
676	1305	.014	.001	.071
677	1304	.014	.016	1.143
678	1303	.009	.021	2.333
679	1302	.010	.011	1.100
680	1301	.012	.005	.417
681	1300	.007	.012	1.714
682	1299	.007	.007	
683	1298	.005	.003	
684	1297	.007	.001	
685	1296	.013	.001	.077
686	1295	.013	.004	.308
687	1294	.039	.001	.026

DC HOLE NO. 171C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
688	1293	.055	.040	.727
689	1292	.031	.034	1.097
690	1291	.036	.035	.972
691	1290	.155	.016	.103
692	1289	.228	.017	.075
693	1288	.054	.214	3.963
694	1287	.061	.172	2.820
695	1286	.034	.030	.882
696	1285	.016	.101	6.313
697	1284	.022	.017	.773
698	1283	.033	.009	.273
699	1282	.031	.010	.323
700	1281	.027	.038	1.407
701	1280	.024	.028	1.167
702	1279	.028	.017	.607
703	1278	.029	.028	.966
704	1277	.031	.017	.548
705	1276	.015	.017	1.133
706	1275	.016	.016	1.000
707	1274	.022	.013	.591
708	1273	.021	.012	.571
709	1272	.025	.018	.720
710	1271	.046	.022	.478
711	1270	.019	.019	1.000
712	1269	.014	.046	3.286
713	1268	.012	.015	1.250

DC HOLE NO. 171C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
714	1267	.014	.009	.643
715	1266	.020	.010	.500
716	1265	.026	.011	.423
717	1264	.029	.009	.310
718	1263	.013	.049	3.769
719	1262	.009	.015	1.667
720	1261	.007	.014	2.000
721	1260	.008	.008	
722	1259	.006	.008	
723	1258	.011	.005	.455
724	1257	.012	.005	.417
725	1256	.012	.007	.583
726	1255	.014	.011	.786
727	1254	.024	.010	.417
728	1253	.016	.026	1.625
729	1252	.016	.020	1.250
730	1251	.007	.011	1.571
731	1250	.007	.003	
732	1249	.007	.003	
733	1248	.007	.005	
734	1247	.009	.004	
735	1246	.018	.007	.389
736	1245	.016	.031	1.938
737	1244	.010	.018	1.800
738	1243	.004	.003	
739	1242		.001	

DC HOLE NO. 171C

		U_3O_8		
DEPTH	ELEVATION	GAMMA	CHEMICAL	R.E.F.
740	1241		.002	
740.5	1240.5		.001	

CUTOFF GRADE	R.E.F.
.01	.900
.02	.914
.03	.959

DC HOLE NO. 175C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
560	1516.5	.006		
561	1515.5	.013	.006	.462
563	1514.5	.022	.004	.182
563	1513.5	.012	.004	.333
564	1512.5	.007	.006	
565	1511.5	.008	.037	4.625
566	1510.5	.016	.008	.500
567	1509.5	.015	.005	.333
568	1508.5	.022	.004	.182
569	1507.5	.022	.007	.318
570	1506.6	.004	.018	4.500
571	1505.5		.018	
572	1504.5		.026	
573	1503.5		.011	
574	1502.5		.002	
575	1501.5		.001	
576	1500.5	.008	.002	
577	1499.5	.011	.001	.091
578	1498.5	.003	.001	
579	1497.5	.004	.001	
580	1496.5	.013	.002	.154
581	1495.5	.009	.012	1.333
582	1494.5	.003	.007	
583	1493.5	.007	.003	
584	1492.5	.010	.004	
585	1491.5	.015	.011	.733

DC HOLE NO. 175C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
586	1490.5	.057	.054	.947
587	1489.5	.064	.021	.328
588	1488.5	.031	.085	2.742
589	1487.5	.007	.018	2.571
590	1486.5	.003		
591	1485.5			
592	1484.5		.006	
593	1483.5		.004	
594	1482.5		.004	
595	1481.5		.002	
596	1480.5	.006	.001	
597	1479.5	.007	.001	
598	1478.5	.003	.001	
599	1477.5		.001	
600	1476.5		.002	
601	1475.5		.001	
602	1474.5		.008	
603	1473.5		.016	
604	1472.5	.007	.099	14.143
605	1471.5	.023	.033	1.435
606	1470.5	.065	.026	.400
607	1469.5	.016	.009	.563
608	1468.5	.012	.004	.333
609	1467.5	.007	.003	
610	1466.5	.003	.002	

DC HOLE NO. 175C

CHEMICAL DOWN 5'

CUTOFF GRADE	R.E.F.
.010	1.009
.020	1.153
.030	1.392

DC HOLE NO. 176C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
531	1556.5		.002	
532	1555.5	.003	.002	
533	1554.5	.010	.002	
534	1553.5	.009	.009	
535	1552.5	.007	.010	
536	1551.5	.007	.005	
537	1550.5	.007	.004	
538	1549.5	.007	.004	
539	1548.5	.008	.002	
540	1547.5	.011	.004	.364
541	1546.5	.004	.017	4.250
542	1545.5		.005	
543	1544.5		.002	
544	1543.5		.005	
545	1542.5		.002	
546	1541.5	.003	.002	
547	1540.5	.008	.002	
548	1539.5	.014	.004	.286
549	1538.5	.015	.010	.667
550	1537.5	.010	.014	1.400
551	1536.5	.010	.015	1.500
552	1535.5	.009	.006	
553	1534.5	.010	.007	.636
554	1533.5	.010	.007	
555	1532.5	.013	.769	
556	1531.5	.061	.006	.098

DC HOLE NO. 176C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
556	1531.5	.061	.006	.098
557	1530.5	.066	.012	.182
558	1529.5	.008	.210	26.250
559	1528.5	.007	.012	1.714
560	1527.5	.009	.006	
561	1526.5	.012	.009	.750
562	1525.5	.013	.013	1.000
563	1524.5	.005	.014	2.800
564	1523.5	.005	.003	
565	1522.5	.005	.004	
566	1521.5	.008	.005	
567	1520.5	.021	.005	.286
568	1519.5	.052	.002	.038
569	1518.5	.056	.005	.089
570	1517.5	.085	.105	1.235
571	1516.5	.070	.012	.171
572	1515.5	.032	.240	7.500
573	1514.5	.022	.012	.545
574	1513.5	.019	.006	.316
575	1512.5	.006	.005	
576	1511.5	.006	.003	
577	1510.5	.008	.006	
578	1509.5	.015	.009	.600
579	1508.5	.023	.004	.174
580	1507.5	.028	.002	.071
581	1506.5	.020	.023	1.150

DC HOLE NO. 176C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
582	1505.5	.027	.014	.519
583	1504.5	.015	.023	1.533
584	1503.5	.005	.017	3.400
585	1502.5	.005	.031	6.200
586	1501.5	.005	.005	
587	1500.5	.005	.002	
588	1499.5		.002	
589	1498.5		.002	
590	1497.5		.001	
591	1496.5		.001	
592	1495.5		.004	
593	1494.5		.003	
594	1493.5	.005	.004	
595	1492.5	.014	.033	2.357
596	1491.5	.023	.019	.826
597	1490.5	.036	.035	.972
598	1489.5	.019	.019	1.000
599	1488.5	.036	.005	.139
600	1487.5	.027	.004	.148
601	1486.5	.016	.004	.250
602	1485.5	.006	.004	
603	1484.5	.007	.006	
604	1483.5	.006	.005	
605	1482.5	.006	.004	
606	1481.5		.004	
607	1480.5		.005	

DC HOLE NO. 176C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
608	1479.5		.006	
609	1478.5		.010	
610	1477.5		.033	

CUTOFF GRADE	R.E.F.
.01	1.066
.02	1.105
.03	1.336

DC HOLE NO. 177C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
541	1365.5	.028	.018	.643
542	1364.5	.025	.023	.920
543	1363.5	.030	.044	1.467
544	1362.5	.025	.022	.880
545	1361.5	.020	.017	.850
546	1360.5	.019	.012	.632
547	1359.5	.017	.015	.882
548	1358.5	.018	.013	.722
549	1357.5	.023	.028	1.217
550	1356.5	.027	.016	.593
551	1355.5	.020	.028	1.400
552	1354.5	.014	.010	.714
553	1353.5	.014	.014	1.000
554	1352.5	.014	.010	.714
555	1351.5	.014	.009	.643
556	1305.5	.014	.008	.571
557	1349.5	.008	.006	
558	1348.5	.008	.014	1.750
559	1347.5	.008	.007	
560	1346.5	.013	.007	.538
561	1345.5	.011	.022	2.000
562	1344.5	.011	.020	1.818
563	1343.5	.029	.006	.207
564	1342.5	.022	.004	.182
565	1341.5	.009	.003	
566	1340.5	.005	.003	

DC HOLE NO. 177C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
567	1339.5	.005	.004	
568	1338.5	.005	.015	3.000
569	1337.5	.007	.007	
570	1336.5	.014	.010	.714
571	1335.5	.010	.004	
572	1334.5	.007	.007	
573	1333.5	.007	.004	
574	1332.5	.007	.004	
575	1331.5	.011	.006	.545
576	1330.5	.012	.009	.750
577	1329.5	.018	.040	2.222
578	1328.5	.033	.040	1.212
579	1327.5	.033	.009	.273
584	1322.5	.008	.006	
585	1321.5	.013	.007	.538
586	1320.5	.022	.007	.318
587	1319.5	.018	.007	.389
588	1318.5	.011	.010	.909
589	1317.5	.009	.113	12.556
590	1316.5	.006	.010	
591	1315.5	.006	.006	
592	1314.5	.005	.007	
593	1313.5	.007	.003	
594	1312.5	.008	.003	
595	1311.5	.007	.004	

DC HOLE NO. 177C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
596	1310.5	.006	.008	
597	1309.5	.006	.006	
598	1308.5	.006	.005	
599	1307.5	.009	.005	
600	1306.5	.008	.004	
601	1305.5	.007	.005	
602	1304.5	.016	.006	.375
603	1303.5	.012	.005	.417
604	1302.5	.017	.011	.647
605	1301.5	.026	.013	.500
606	1300.5	.018	.008	.444
607	1299.5	.014	.033	2.357
608	1298.5	.010	.016	1.600
609	1297.5	.003	.012	4.000
610	1296.5		.009	
611	1295.5		.004	
612	1294.5		.002	
613	1293.5	Gamma up 2' to core	.001	
614	1292.5		.001	
615	1291.5		.001	
616	1290.5	Gamma Flat to core	.001	
617	1289.5		.001	
618	1288.5		.001	
619	1287.5	.008	.003	
620	1286.5	.016	.026	1.625
621	1285.5	.011	.008	.727

DC HOLE NO. 177C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
622	1284.5		.002	
623	1283.5		.003	
624	1282.5	.003	.004	
625	1281.5	.006	.004	
626	1280.5	.006	.004	
627	1279.5	.008	.010	
628	1278.5	.009	.006	
629	1277.5	.006	.006	
630	1276.5	.007	.005	
631	1275.5	.010	.010	
632	1274.5	.009	.007	
633	1273.5	.010	.009	
634	1272.5	.017	.010	.588
635	1271.5	.021	.014	.667
636	1270.5	.038	.051	1.342
637	1269.5	.028	.016	.571
638	1268.5	.021	.014	.667
639	1267.5	.012	.012	1.000
640	1266.5	.009	.006	
641	1265.5	.010	.008	
642	1264.5	.014	.017	1.214
643	1263.5	.011	.005	.455
644	1262.5	.005	.003	
645	1261.5	.005	.002	
646	1260.5		.002	
647	1259.5		.002	

DC HOLE NO. 177C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
648	1258.5		.002	
649	1257.5		.002	
650	1256.5		.002	
651	1255.5		.003	
652	1254.5		.002	
653	1253.5		.002	
654	1252.5		.002	
655	1251.5		.001	
556	1250.5		.001	
657	1249.5		.001	
658	1248.5		.001	
659	1247.5		.001	
660	1246.5		.001	
661	1245.5		.001	
662	1244.5		.001	
663	1243.5		.001	

CUTOFF GRADE	R.E.F.	
.01	.989	
.02	1.131	
.03	1.886	Note: based on only 7 samples

* Gamma up 2' to core in to 1/2 of this hole

DC HOLE NO. Tonto 8C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
539	1378.5	.016		
540	1377.5	.015		
541	1376.5	.013	.063	4.846
542	1375.5	.019	.005	.263
543	1374.5	.026	.015	.577
544	1373.5	.047	.026	.553
545	1372.5	.055	.035	.636
546	1371.5	.028	.036	1.286
547	1370.5	.013	.012	.923
548	1369.5	.015	.013	.867
549	1368.5	.021	.015	.714
550	1367.5	.030	.020	.667
551	1366.5	.058	.036	.621
552	1365.5	.032	.047	1.469
553	1364.5	.065	.016	.246
554	1363.5	.131	.092	.702
555	1362.5	.032	.064	2.000
556	1361.5	.023	.010	.435
557	1360.5	.020	.010	.500
558	1359.5	.017	.021	1.235
559	1358.5	.028	.013	.464
560	1357.5	.007	.025	3.571
561	1356.5	.012	.007	.583
562	1355.5	.008		
563	1354.5	.014		
564	1353.5	.019		

DC HOLE NO. Tonto 8C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
565	1352.5	.018	.018	1.000
566	1351.5	.017	.016	.941
567	1350.5	.015	.016	1.067
568	1349.5	.012	.013	1.083
569	1348.5	.011	.010	.090
570	1347.5	.013	.009	.692
571	1346.5	.010		
572	1345.5	.006		
573	1344.5	.007		
574	1343.5	.006		
575	1342.5	.010		
576	1341.5	.027	.006	.222
577	1340.5	.012	.026	2.167
578	1339.5	.013	.009	.692
579	1338.5	.016	.008	.500
580	1337.5	.030	.011	.367
581	1336.5	.016	.021	1.313
582	1335.5	.016	.027	1.688
583	1334.5	.013	.015	1.154
584	1333.5	.070	.011	.550
585	1332.5	.030	.006	.200
586	1331.5	.035	.022	.629
587	1330.5	.062	.018	.290
588	1329.5	.071	.052	.732
589	1328.5	.027	.058	2.148
590	1327.5	.009	.052	5.778

DC HOLE NO. Tonto 8C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
591	1326.5	.006	.009	
592	1325.5	.006	.004	
593	1324.5	.006		
594	1323.5	.006		
595	1322.5	.006		
601	1316.5	.005		
602	1315.5	.009	.004[1]	
603	1314.5	.017	.035[1]	2.059
604	1313.5	.023	.015[1]	.652
605	1312.5	.016		
606	1311.5	.043		
607	1310.5	.061	.004[1]	.066
608	1309.5	.027	.006[1]	.222
609	1308.5	.013	.033[1]	2.538
610	1307.5	.007	.047[1]	6.714
611	1306.5	.003	.037[1]	12.333
612	1305.5		.012[1]	
614	1303.5	.006		
615	1302.5	.009		
616	1301.5	.009		
617	1300.5	.000		
618	1299.5	.006		
619	1298.5	.009		
620	1297.5	.015	.011[1]	.733

DC HOLE NO. Tonto 8C

DEPTH	ELEVATION	U_3O_8 GAMMA	U_3O_8 CHEMICAL	R.E.F.
621	1296.5	.021	.025[1]	1.190
622	1295.5	.011	.016[1]	1.455
623	1294.5	.008		
628	1289.5	.006		
629	1288.5	.011		
630	1287.5	.009		
631	1286.5	.010		
632	1285.5	.018	.125[2]	1.389
633	1284.5	.016	.032[2]	2.000
634	1283.5	.011	.032[2]	2.909
635	1282.5	.022	.003[2]	.136
636	1281.5	.050	.012[2]	.240
637	1280.5	.077	.014[2]	.182
638	1279.5	.181	.059[2]	.326
639	1278.5	.117	.088[2]	.752
640	1277.5	.102	.128[2]	1.255
641	1276.5	.058	.161[2]	2.776
642	1275.5	.008	.004[2]	
643	1274.5	.011	.001[2]	.091
644	1273.5	.010		

CUTOFF GRADE	R.E.F.
.01	.879
.02	.897
.03	.943

1 Chemical up 3'
2 Chemical up 6'

A P P E N D I X I I

HAZEN RESEARCH, INC.

4601 INDIANA STREET
GOLDEN, COLORADO • 80401
TELEPHONE 303/279-4501

WET OR DRY DENSITY?
CUTOFF FOR EQUIL

HRI Project 4603
Copy No. 1

ANALYTICAL RESULTS OF DATE CREEK DRILL CORES

for

Urangesellschaft U.S.A., Inc.
6000 E. Evans Avenue
Building 3, Suite 200
Denver, Colorado 80222

February 6, 1979

Prepared by:

Dennis M. Johnson
Research Engineer

Approved by:

P. N. Thomas
Vice President

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
145-C	460-461	14329-1	1133	10.5	0.002								
	-462	-2	858	14.8	0.002								
	-463	-3	709	19.6	0.003								
	-464	-4	871	14.4	0.003								
	-465	-5	963	13.2	0.002								
	-466	-6	1105	13.6	0.002	0.002							
	-467	-7	1098	11.4	0.004								
	-468	-8	1080	9.5	0.003								
	-469	-9	1006	8.9	0.002								
	-470	-10	1047	8.5	0.001								
	-471	-11	1146	9.5	0.001								
	-472	-12	1115	9.3	0.002								
	-473	-13	842	15.4	0.001								
	-474	-14	795	20.8	0.002								
	-475	-15	624	17.5	0.002								
	-476	-16	952	17.7	0.002								
	-477	-17	989	15.1	0.002								
	-478	-18	1159	33.7	0.003	0.003							
	-479	-19	895	8.8	0.004								
	-480	-20	775	16.5[2]	0.003								
	-481	-21	837	15.4	0.005								
	-482	-22	1305	10.7	0.009								
	-483	-23	1077	17.6	0.007								
	-484	-24	791	20.1	0.012								
	-485	-25	905	19.9	0.008								
	-486	-26	952	4.3	0.008								
	-487	-27	1105	9.0	0.012								
	-488	-28	1081	11.8	0.014								
	-489	-29	1105	11.8[2]	0.015								
	-490	-30	1182	9.2[2]	0.020	0.020							
	-491	-31	1135	8.4[2]	0.019								
	-492	-32	908	14.2[2]	0.012								

1/ One-half core before removing assay pulps (2 pulps from Samples 1-204, 1 pulp thereafter). Each pulp weights approximately 150 g.
2/ Wrapped in foil.

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.	
145-C	492-493	14329-33	1128	17.9[2]	0.010									
	-494	-34	1032	16.9[2]	0.012									
	-495	-35	962	14.7[2]	0.029									
	-496	-36	1089	12.6[2]	0.044 CI	0.039	0.04	0.032	0.026	26.4	<0.1	15.0	2.43	17.16
	-497	-37	1066	14.8[2]	0.017									
	-498	-38	1133	12.2[2]	0.011									
	-499	-39	1155	15.5[2]	0.007									
	-500	-40	1146	15.1[2]	0.008									
	-501	-41	1182	13.9[2]	0.008		<0.01	0.009	0.010	33.3	<0.1	15.0	2.68	17.42
	-502	-42	851	15.6[2]	0.007	0.007	<0.01	0.006	0.015	27.7	<0.1	16.3	2.61	19.31
	-503	-43	1069	11.2[2]	0.040 CI		0.04	0.032	0.028	21.7	2.1	14.8	2.53	16.67
	-504	-44	1231	13.6[2]	0.140 CI	0.177[3]	0.17	0.151	0.133	13.4	<0.1	16.3	2.54	18.87
	-505	-45	948	15.7[2]	0.088 CI		0.10	0.093	0.083	9.7	<0.1	16.3	2.48	19.34
	-506	-46	967	19.8[2]	0.016		0.02	0.023	0.028	3.4	<0.1	17.4	2.64	21.70
	-507	-47	702	18.0[2]	0.013		0.02	0.021	0.023	13.3	<0.1	15.4	2.52	18.78
	-508	-48	794	15.1[2]	0.015		0.02	0.021	0.017	25.3	<0.1	15.0	2.58	17.67
	-509	-49	1144	15.1[2]	0.018		0.02	0.018	0.021	26.7	0.4	15.6	2.65	18.37
	-509'10"	-50	836	14.4[2]	0.048 CI		0.05	0.041	0.034	28.1	<0.1	16.7	2.55	19.51
	510-511	-51	703	17.3[2]	0.062 CI		0.08	0.084	0.089	6.2	1.2	15.9	2.40	19.23
	-512	-52	697	13.4[2]	0.032		0.02	0.027	0.030	2.9	<0.1	18.6	2.33	21.48
	-513	-53	1271	15.6[2]	0.023		0.02	0.024	0.025	2.1	<0.1	15.6	2.53	18.07
	-514	-54	911	17.7[2]	0.012	0.012	0.02	0.015	0.012	1.8	<0.1	15.9	2.56	19.32
	-515	-55	1022	18.3[2]	0.016		0.01	0.014	0.018	4.8	0.2	16.3	2.49	19.95
	-516	-56	1160	16.8[2]	0.013									
	-517	-57	1140	17.8[2]	0.015									
	-518	-58	998	15.1[2]	0.014									
	-519	-59	1006	15.7[2]	0.014									
	-520	-60	1141	12.8[2]	0.014									
	-521	-61	972	10.6	0.015									
	-522	-62	1080	6.5	0.013									
	-523	-63	1068	8.5	0.013									
	-524	-64	993	11.2	0.010									

CI = Composite interval.
3/ Reblended.

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric		U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/ Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.	
145-C	524-525	14329-65	1025	6.5	0.010										
	-526	-66	1142	3.8	0.013										
	-527	-67	1110	5.5	0.008										
	-528	-68	831	10.2	0.007		0.005								
	-529	-69	1120	5.5	0.009										
	-530	-70	1245	6.9	0.009										
	-531	-71	1071	4.2	0.008										
	-532	-72	1159	9.4	0.007										
	-533	-73	1174	6.5	0.009										
	-534	-74	1121	8.5	0.013			0.02	0.012	0.005	<0.1	1.1	17.0	2.26	18.58
	-535	-75	1153	7.1	0.009			0.01	0.008	0.004	0.1	0.3	15.9	2.43	17.12
	-536	-76	1063	11.3[2]	0.009			0.02	0.009	<0.002	0.2	0.2	15.8	2.46	17.81
	-537	-77	1037	15.0[2]	0.032			0.04	0.028	0.018	9.2	<0.1	15.6	2.54	18.35
	-538	-78	1032	14.0[2]	0.043	CI		0.06	0.054	0.053	21.8	<0.1	14.6	2.61	16.98
	-539	-79	879	15.4[2]	0.121	CI	0.182[3]	0.19	0.137	0.092	23.5	0.7	15.5	2.56	18.32
	-540	-80	1102	16.4[2]	0.087	CI		0.11	0.082	0.060	21.3	0.7	21.6	2.50	25.84
	-541	-81	985	17.9[2]	0.010			0.02	0.016	0.011	0.4	0.5	16.5	2.53	20.10
	-542	-82	1125	17.5[2]	0.005			0.01	0.006	<0.002	0.8	0.2	16.0	2.59	19.39
	-543	-83	1105	14.9[2]	0.004			0.01	0.006	<0.002	0.6	0.2	15.6	2.62	18.33
	-544	-84	937	9.2	0.004										
	544-544'5"	-85	430	6.6	0.004										
	547'5"-548	-86	460	11.4	0.003										
	-549	-87	1037	13.8	0.003										
	-550	-88	998	12.9	0.002										
	-551	-89	1023	11.8	0.001										
	-552	-90	1126	12.4	<0.001										
	-553	-91	1178	11.7	0.002		<0.001								
	-554	-92	1037	20.0	0.002										
	-555	-93	903	19.0[2]	0.009										
	-556	-94	867	20.6[2]	0.009			0.01	0.012	0.011	<0.1	17.5	21.3	2.04	26.83
	-557	-95	826	17.4[2]	0.029			0.03	0.017	0.011	0.1	15.1	21.4	2.14	25.91
	-558	-96	811	20.7[2]	0.056	CI		0.06	0.033	0.017	0.1	16.0	20.3	2.11	25.60

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.	
145-C	558 -559	14329 -97	1139	13.4[2]	0.012		0.02	0.011	0.004	7.8	0.2	15.4	2.47	17.78
	-560	-98	893	15.2[2]	0.008									
	-561	-99	851	12.2	0.002									
	-562	-100	886	11.9	<0.001									
	-563	-101	726	24.4	<0.001									
	-564	-102	1013	8.9	0.001									
	-565	-103	1107	10.0	0.002									
	-566	-104	600	14.1	0.004									
	-567	-105	722	17.3	0.013									
	-568	-106	703	12.0	0.005									
	-569	-107	456	13.8	0.005									
	-570	-108	848	14.7[2]	0.007		<0.01	0.003	<0.002	<0.1	5.4	19.2	2.30	22.51
	-571	-109	794	25.2[2]	0.036		0.05	0.031	0.022	0.1	22.5	21.2	1.95	28.34
	-572	-110	798	23.5[2]	0.048 CI	0.045	0.05	0.028	0.016	0.1	15.6	18.4	2.18	24.05
	-573	-111	888	18.1[2]	0.026		0.04	0.024	0.014	0.1	10.0	19.1	2.11	23.32
	-574	-112	1170	13.5[2]	0.014		0.02	0.012	<0.002	4.6	2.6	16.7	2.27	19.31
	-575	-113	1035	13.2[2]	0.011									
	-576	-114	983	13.6[2]	0.008	0.008								
	-577	-115	1054	10.9	0.005									
	-578	-116	1108	11.9	0.005									
	-579	-117	982	10.0	0.006									
	-580	-118	1052	9.6	0.006									
	-581	-119	1027	8.9	0.004									
	-582	-120	1132	13.7[2]	0.008									
	-583	-121	1140	16.4[2]	0.010									
	-584	-122	1053	8.1[2]	0.016									
	-585	-123	962	8.8[2]	0.022									
	-586	-124	1155	14.9[2]	0.033									
	-587	-125	1109	15.4[2]	0.021									
	-588	-126	1259	14.3[2]	0.013	0.013								
	-589	-127	1117	15.0[2]	0.007									
	-590	-128	1189	15.5[2]	0.044 CI		0.05	0.026	0.008	0.1	<0.1	15.3	2.66	18.11

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
145-C	590 -591	14329 -129	1112	14.5[2]	0.006								
	-592	-130	410	18.9[2]	0.008								
	-593	-131	831	12.3	0.009								
	-594	-132	914	13.7	0.009								
	-595	-133	1170	10.9	0.002								
	-596	-134	1063	10.7	0.002								
	-597	-135	1079	10.2	0.001								
	-598	-136	852	10.6	0.001								
	-599	-137	934	8.7	0.001								
	-600	-138	822	6.2	0.001	0.001							
	-601	-139	931	10.0	0.002								
	-602	-140	827	12.0	0.001								

End of 145-C

$\bar{X} = 20,16 \pm 3.11$

SAMPLES = 36

AVG = .032 % U_3O_8

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
146-C	590 -591	14329 -141	1273	8.2	0.013	0.014							
	-592	-142	1136	10.3	0.004								
	-593	-143	1165	10.7	0.003								
	-594	-144	1120	8.2	0.004								
	-595	-145	881	17.8	0.003								
	-596	-146	924	13.4	<0.001								
	-597	-147	1239	12.3	0.001								
	-598	-148	872	16.5	0.002								
	-599	-149	1148	12.5	0.002								
	-600	-150	1190	11.8	0.003								
	-601	-151	1000	15.2	0.003								
	-602	-152	688	21.5	0.006								
	-603	-153	664	27.2	0.003								
	-604	-154	987	21.0	0.002								
	-605	-155	1241	8.9	0.002								
	-606	-156	960	9.4	0.003								
	-607	-157	1187	10.2	0.003								
	-608	-158	1078	11.7	0.001								
	-609	-159	1111	12.7	0.001								
	-610	-160	1083	13.7	0.013								
	-611	-161	975	16.1	0.006								
	-612	-162	706	24.2	0.009								
	-613	-163	1205	11.5	0.017	0.018							
	-614	-164	684	13.0	0.003								
	-615	-165	914	14.1	0.004								
	-616	-166	1048	7.9	0.006								
	-617	-167	1166	12.5	0.004								
	-618	-168	742	13.6[2]	0.022	0.023							
	-619	-169	949	13.2[2]	0.014								
	-620	-170	796	21.1[2]	0.005								
	-621	-171	1322	6.9[2]	0.014								
	-622	-172	1066	12.1[2]	0.009								
	-623	-173	950	11.4[2]	0.011								
	-624	-174	995	11.8[2]	0.012								
	-625	-175	1041	12.6[2]	0.017								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.	
146-C	625 -626	14329 -176	891	19.0[2]	0.007									
	-627	-177	1055	13.8[2]	0.017									
	-628	-178	877	18.5[2]	0.008									
	-629	-179	973	20.4[2]	0.014									
	-630	-180	1081	16.3[2]	0.010									
	-631	-181	1018	16.6[2]	0.008									
	-632	-182	1059	18.0[2]	0.009									
	-633	-183	1025	17.1[2]	0.010		0.02	0.009	0.003	29.2	<0.1	16.7	2.76	20,145
	-634	-184	1051	16.1[2]	0.009	0.009	0.02	0.011	0.005	13.6	2.99	15.3	2.80	18,236
	-635	-185	1066	15.0[2]	0.012		0.02	0.012	0.005	33.7	<0.1	15.7	-	18,471
	-636	-186	1085	14.2[2]	0.025 CI		0.03	0.023	0.016	29.2	0.2	15.3	2.62	17,232
	-637	-187	1214	15.2[2]	0.133 CI		0.16	0.126	0.100	28.0	<0.1	15.8	2.67	18,632
	-638	-188	1400	13.2[2]	0.192 CI	0.189	0.20	0.173	0.146	30.9	<0.1	14.3	2.66	16,475
	-639	-189	1085	13.6[2]	0.059 CI		0.08	0.062	0.047	23.6	0.1	14.4	2.58	16,667
	-640	-190	840	19.0[2]	0.007		0.01	0.004	<0.002	0.3	<0.1	17.9	2.46	22,099
	-641	-191	992	14.0[2]	0.006		0.01	0.007	<0.002	0.3	<0.1	15.0	2.44	17,442
	-642	-192	1288	16.7[2]	0.013	0.010	0.02	0.014	0.006	3.0	0.2	15.3	2.45	18,367
	-643	-193	1099	13.3[2]	0.012									
	-644	-194	1257	10.4[2]	0.006									
	-645	-195	1299	9.1[2]	0.004									
	-646	-196	926	21.2[2]	0.004									
	-647	-197	1061	12.0[2]	0.003									
	-648	-198	784	16.8[2]	0.003									
	-649	-199	1051	8.9[2]	0.004	0.004								
	-650	-200	942	17.6[2]	0.007									
	-651	-201	790	17.3[2]	0.009									
	-652	-202	937	10.4[2]	0.008									
	-653	-203	1238	4.7[2]	0.009									
	-654-1"	-204	948	9.4[2]	0.004	0.004								
	654-1" -655	14438 -1	916	9.4	0.002									
	-656	-2	1425	6.0	0.004									
	-657	-3	1268	6.8	0.005	0.004								
	-658	-4	1092	8.1	0.003	0.004								
	-659	-5	1307	7.1	0.010	0.011								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
146-C	659 -660	14438-6	824	8.4	0.008	0.008							
	-661	-7	1342	6.1	0.006								
	-662	-8	1211	15.2	0.013								
	-663	-9	1060	9.6	0.005								
	-663-10"	-10	932	10.1	0.005								
	700 -701	-11	1294	10.4	<0.001								
	-702	-12	1222	9.6	<0.001								
	-703	-13	790	9.8	<0.001								
	-704	-14											
	-705	-15											
	703 -704	-14	846	10.4	<0.001								
	-705	-15	1208	11.8	<0.001								
	-706	-16	1276	12.6	<0.001								
	-707	-17	934	11.8	<0.001								
	-708	-18	1147	14.9	<0.001	<0.001							
	-709	-19	1074	16.1	0.002								
	-710	-20	828	15.5	0.002								
	-711	-21	987	17.9	0.004								
	-712	-22	861	23.1	0.019								
	-713	-23	997	15.7	0.011								
	-714	-24	1280	15.8	0.012								
	-715	-25	741	16.2	0.011								
	-716	-26	1490	7.6	0.008								
	-717	-27	1737	5.9	0.009								
	-718	-28	1037	10.8	0.013								
	-719	-29	815	9.9	0.016								
	-720	-30	1621	14.3	0.013	0.014							
	-721	-31	1429	11.4	0.006								
	-722	-32	1244	12.0	0.002								
	-723	-33	754	16.5[2]	0.003								
	-724	-34	1209	14.4[2]	0.003								
	-725	-35	1332	13.9	0.003								
	-726	-36	1153	12.3	0.003								
	-727	-37	1369	14.8	0.002								
	-728	-38	1047	15.4	0.003								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.	
146-C	728 -729	14438-39	891	18.0	0.002									
	-730	-40	1032	11.7	0.001									
	-731	-41	1182	13.3	<0.001									
	-732	-42	1168	13.8	<0.001	<0.001								
	-733	-43	1278	13.3	<0.001									
	-734	-44	1233	13.9	<0.001									
	-735	-45	606	12.2	<0.001									
	-736	-46	1076	13.0	<0.001									
	-736-9"	-47	1293	12.7	<0.001									
	890 -891	-48	1019	16.3	0.003									
	-892	-49	998	13.2	0.015									
	-893	-50	1326	-	0.006									
	-894	-51	849	18.4	0.002									
	-895	-52	1414	7.7	0.001									
	-896	-53	1358	6.3	0.002									
	-897	-54	1375	6.0	0.002	0.002								
	-898	-55	1403	5.7	0.002									
	-899	-56	1225	7.5	0.003									
	-900	-57	1411	5.1	0.002									
	-901	-58	1001	9.7	0.005									
	-902	-59	1417	9.1	0.005									
	-903	-60	1213	7.9	0.010									
	-904	-61	1019	11.6[2]	0.008									
	-905	-62	1093	13.8[2]	0.009		0.01	0.010	0.008	1.5	0.6	16.4	2.42	19.03
	-906	-63	1104	13.8[2]	0.011		<0.01	0.010	0.012	0.7	0.4	17.6	2.36	20.42
	-907	-64	1091	8.7[2]	0.027 CI		0.02	0.021	0.021	0.1	3.7	19.7	2.43	21.58
	-908	-65	1236	10.7[2]	0.083 CI		0.08	0.078	0.079	0.1	2.7	21.6	2.35	24.19
	-909	-66	1154	8.0[2]	0.055 CI	0.055	0.05	0.047	0.045	0.1	6.5	15.4	2.40	16.74
	-910	-67	1067	18.1[2]	0.072 CI		0.08	0.064	0.050	0.2	9.0	23.7	2.21	28.94
	-911	-68	711	17.6[2]	0.044 CI		0.05	0.028	0.017	0.2	2.5	17.2	2.51	20.87
	-912	-69	1307	12.4[2]	0.040 CI		0.05	0.036	0.030	0.1	0.6	14.2	2.58	16.21
	-913	-70	1274	11.5[2]	0.023		0.02	0.016	0.012	<0.1	0.4	16.5	2.41	18.64
	-914	-71	1059	12.1[2]	0.017		0.02	0.019	0.021	<0.1	0.3	18.2	2.35	20.71
	-915	-72	1128	12.0[2]	0.085 CI		0.08	0.073	0.065	<0.1	5.3	17.6	2.12	20.00

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.	
146-C	915 -916	14438-73	957	15.8[2]	0.021		0.01	0.017	0.020	<0.1	6.4	19.1	2.20	22.68
	-917	-74	935	13.5[2]	0.015		0.02	0.015	0.015	<0.1	3.2	19.3	3.02	22.31
	-918	-75	1224	14.1[2]	0.007		0.02	0.024	0.032	0.3	3.5	18.0	2.28	20.93
	-919	-76	1101	10.5[2]	0.026		<0.01	0.007	0.005	0.3	7.5	14.3	2.33	15.98
	-920	-77	952	20.6	0.013		0.01	0.015	0.018	0.1	6.1	21.1	2.29	26.57
	920 -921	-78	930	16.7[2]	0.030	0.029	0.02	0.021	0.020	<0.1	15.6	19.0	2.10	22.81
	-922	-79	962	13.8[2]	0.075 CI		0.07	0.063	0.054	0.1	11.1	17.8	2.07	20.65
	-923	-80	1153	18.3[2]	0.043 CI		0.03	0.028	0.022	0.1	1.4	19.4	2.25	23.75
	-924	-81	968	19.0[2]	0.006		<0.01	0.007	0.011	<0.1	0.1	17.9	2.39	22.10
	-925	-82	1171	14.7[2]	0.006		<0.01	0.007	0.009	<0.1	0.1	16.3	2.69	19.11
	-926	-83	1452	11.4[2]	0.007									
	-927	-84	1182	17.0[2]	0.006									
	-928	-85	1351	8.9[2]	0.004									
	-929	-86	1354	8.0[2]	0.004									
	-930	-87	1291	10.6[2]	0.003									
	-930-4"	-88	421	10.4[2]	0.002									

End of 146-C

$\bar{X} = 20.28 \pm 3.04$

Samples = 31

Avg Grd = $.039 \pm .04$

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
155-C	515 -516	14445-1	1013	15.8[2]	0.028 CI		0.03	0.027	0.027	4.8	0.7	15.9	2.54
	-517	-2	1210	16.7[2]	0.013		<0.01	0.015	0.019	11.5	<0.1	16.0	2.56
	-518	-3	1037	20.0[2]	0.007		<0.01	0.008	0.008	1.2	0.1	17.3	2.55
	-519	-4	1184	18.3[2]			<0.01	0.010	0.012				
	-520	-5	1140	18.2[2]			<0.01	0.008	0.011				
	-521	-6	1239	17.6[2]			0.01	0.009	0.006				
	-522	-7	1165	17.6[2]			<0.01	0.008	0.007				
	-523	-8	950	18.5[2]			<0.01	0.006	0.006				
	-524	-9	1015	11.8[2]			0.01	0.014	0.014				
	-525	-10	1121	18.2[2]			0.02	0.017	0.017				
	-526	-11	1022	18.0[2]	0.013								
	-527	-12	1046	17.4[2]	0.014		0.01	0.013	0.013	0.1	0.4	17.9	2.44
	-528	-13	1135	18.0[2]	0.031 CI	0.030	0.01	0.011	0.011	<0.1	0.8	16.2	2.36
	-529	-14	1113	19.4[2]	0.023		0.03	0.024	0.020	<0.1	1.4	17.5	2.31
529	-530	-15	957	14.9[2]	0.048 CI		0.02	0.025	0.027	<0.1	3.0	19.8	2.18
	-531	-16	1080	14.0[2]	0.013		0.05	0.037	0.024	0.1	17.1	23.8	1.98
	-532	-17	1109	4.8[2]	0.011		0.01	0.012	0.011	<0.1	5.2	16.6	2.14
	-533	-18	1147	13.7[2]	0.015		<0.01	0.009	0.011	17.1	0.2	15.7	2.38
	-534	-19	1048	11.2[2]	0.012		0.01	0.013	0.013	9.2	0.7	17.8	2.39
	-535	-20	1070	3.1[2]	0.008		0.03	0.021	0.009	2.9	1.1	16.3	2.37
	-536	-21	1383	8.1[2]			<0.01	0.009	0.011	9.2	1.2	16.3	2.43
	-537	-22	1331	6.6[2]			<0.01	0.011	0.019				
	-538	-23	1167	11.8[2]			<0.01	0.009	0.013				
	-539	-24	1512	10.6[2]			<0.01	0.006	0.007				
	-540	-25	1231	11.3[2]			<0.01	0.009	0.012				
	-541	-26	988	14.1[2]	0.007		<0.01	0.007	0.009	4.2	1.3	16.1	2.33
	-542	-27	1148	14.7[2]	0.005		0.01	0.006	0.010	0.1	0.4	16.6	2.27
	-543	-28	1165	12.1[2]	0.021		0.02	0.016	0.017	<0.1	1.4	16.2	2.29
	-544	-29	1206	14.1[2]	0.054 CI		0.05	0.049	0.046	0.1	6.4	17.5	2.14
	-545	-30	1089	14.4[2]	0.038 CI	0.035	0.04	0.034	0.031	0.1	6.1	15.6	2.62
	-546	-31	1168	15.3[2]	0.006		0.01	0.015	0.020	0.1	0.3	16.1	2.41
	-547	-32	1152	17.0[2]	0.006		<0.01	0.008	0.012	3.5	0.1	15.1	2.45
	-548	-33	1152	14.1[2]			<0.01	0.006	0.008				
	-549	-34	1262	12.6[2]			0.01	0.016	0.017				
							<0.01	0.012	0.014				

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
155-C	549 -550	14445-35	1448	14.9[2]			0.01	0.012	0.014				
	-551	-36	1113	13.1[2]			<0.01	0.004	0.008				
	-552	-37	1217	17.3[2]			<0.01	0.008	0.010				
	-553	-38	1262	7.3[2]			<0.01	0.010	0.015				
	-554	-39	1133	14.5[2]			<0.01	0.010	0.020				
	-555	-40	1518	8.5[2]	0.015		0.01	0.015	0.017	6.7	0.3	15.6	2.38
	-556	-41	1114	10.0[2]	0.007		<0.01	0.006	0.011	0.9	0.8	16.7	2.28
	-557	-42	1158	15.1[2]	0.030 CI		0.03	0.032	0.031	10.3	0.5	17.3	2.35
	-558	-43	1356	8.4[2]	0.041		0.04	0.042	0.041	20.6	0.1	15.1	2.50
	-559	-44	1144	8.4[2]	0.014		<0.01	0.015	0.021	18.2	0.3	14.6	2.46
	-560	-45	1091	14.2[2]	0.011		<0.01	0.012	0.015	8.7	1.0	16.2	2.41
	-561	-46	1085	14.5[2]			0.01	0.013	0.014				
	561 -562	-47	1167	18.1[2]			0.01	0.011	0.010				
	-563	-48	1169	16.9[2]			<0.01	0.008	0.008				
	-564	-49	1068	17.9[2]			<0.01	0.006	0.009				
	-565	-50	1137	13.2[2]			<0.01	0.005	0.006				
	-566	-51	1277	23.0[2]			<0.01	0.009	0.008				
	-567	-52	1134	17.4[2]			0.02	0.011	0.008				
	-568	-53	943	18.0[2]			0.01	0.018	0.021				
	-569	-54	1143	17.1[2]			0.01	0.010	0.009				
	-570	-55	1154	16.4[2]			0.01	0.009	0.008				
	-571	-56	841	19.6[2]			<0.01	0.007	0.004				
	-572	-57	784	18.5[2]			<0.01	0.004	0.005				
	-573	-58	1274	15.4[2]			<0.01	0.004	0.002				
	-574	-59	948	14.1[2]	0.004		<0.01	0.005	0.005	15.3	0.8	14.9	2.56
	-575	-60	1162	12.3[2]	0.005		<0.01	0.004	0.009	23.2	0.8	16.0	2.53
	-576	-61	978	15.9[2]	0.027		0.03	0.021	0.014	9.4	7.0	17.8	2.33
	-577	-62	938	16.2[2]	0.013	0.013	0.02	0.010	0.005	9.2	8.6	16.2	1.90
	-578	-63	958	22.8[2]	0.006		<0.01	0.006	0.005	0.2	17.9	23.0	1.92
	-579	-64	795	19.4[2]	0.007		<0.01	0.007	0.007	0.1	11.5	19.1	2.10
	-580	-65	1000	19.4[2]	0.022		0.02	0.021	0.022	0.1	12.9	16.1	2.15
	-581	-66	903	17.5[2]	0.046 CI		0.05	0.039	0.030	0.7	13.5	18.0	2.40

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
155-C	581 -582	14445-67	1171	12.3[2]	0.017		0.01	0.012	0.010	9.3	4.2	15.1	2.68
	-583	-68	1213	13.8[2]	0.006		<0.01	0.005	0.007	8.2	0.1	14.1	3.02
	-584	-69	1230	15.2[2]			< 0.01	0.005	0.003				
	-585	-70	1209	16.5[2]			<0.01	0.004	0.002				
	-586	-71	1226	16.9[2]			<0.01	0.003	0.003				
	-587	-72	1040	19.0[2]			<0.01	0.003	<0.002				
	-588	-73	910	18.7[2]			<0.01	<0.002	<0.002				
	-589	-74	973	14.5			<0.01	0.002	<0.002				
	-590	-75	904	15.3			<0.01	0.005	0.004				
	-591	-76	955	16.3			<0.01	<0.002	0.003				
	-592	-77	1203	9.0			<0.01	0.003	<0.002				
	-593	-78	879	18.5			<0.01	0.006	0.004				
	593 -594	-79	949	22.0			<0.01	0.004	0.003				
	-595	-80	901	17.0			<0.01	0.007	0.005				
	-596	-81	1053	13.3			0.01	0.013	0.015				
	-597	-82	1218	10.0			0.01	0.011	0.011				
	-598	-83	1084	14.7			0.01	0.012	0.009				
	-599	-84	1111	12.4			<0.01	0.007	0.005				
	-600	-85	1298	5.6			<0.01	0.012	0.013				
	-601	-86	896	16.4			<0.01	0.002	0.002				
	-602	-87	999	16.1			<0.01	0.003	<0.002				
	-603'2"	-88	1510	9.7			<0.01	0.005	0.003				

End of 155-C

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
Tonto	540-541	14453-1	1194	14.1[2]	0.063 CI		<0.01	0.011	0.015	22.5	<0.1	16.9	2.64
8-C	-542	2	1188	18.4[2]	0.005		<0.01	0.007	0.009	1.8	0.3	16.8	2.52
	-543	3	1466	15.3[2]	0.015		0.02	0.019	0.017	19.7	<0.1	13.7	2.64
	-544	4	1039	14.2[2]	0.026		0.02	0.025	0.027	14.3	0.9	16.6	2.52
	-545	5	1098	16.1[2]	0.035		0.04	0.043	0.046	16.2	0.8	14.9	2.61
	-546	6	1031	10.2[2]	0.036	0.036	0.04	0.035	0.034	30.3	0.5	13.6	2.60
	-547	7	1437	8.4[2]	0.012		0.01	0.013	0.017	19.1	5.3	14.8	2.72
	-548	8	1067	12.4[2]	0.013		0.01	0.010	0.011	20.0	6.0	14.5	2.75
	-549	9	1322	12.4[2]	0.015		<0.01	0.014	0.020	25.9	4.0	14.9	2.76
	-550	10	1280	14.8[2]	0.020		0.02	0.022	0.027	40.1	0.2	13.9	2.74
	-551	11	1414	18.2[2]	0.036								
	-552	12	1249	16.9[2]	0.047 CI		0.04	0.041	0.040	30.9	0.9	17.6	2.66
	-553	13	1701	5.0[2]	0.016		0.05	0.044	0.038	35.6	0.5	14.2	2.67
	-554	14	1152	10.6[2]	0.092 CI		0.01	0.024	0.032	35.9	0.6	12.8	2.65
	-555	15	1011	14.2[2]	0.064 CI		0.12	0.108	0.100	28.4	<0.1	13.6	2.66
	-556	16	838	15.4	0.010		0.07	0.062	0.050	8.9	<0.1	17.9	2.57
	-557	17	669	15.4	0.010		0.02	0.018	0.017	0.8	<0.1	17.0	2.52
	-558	18	930	15.6	0.021	0.022	0.01	0.012	0.011	0.2	<0.1	19.2	2.44
	-559	19	1060	13.1	0.013		0.03	0.019	0.012	0.1	0.2	17.0	2.44
	-560	20	1175	10.7	0.025		0.01	0.011	0.012	<0.1	0.5	17.7	2.38
	-561	21	888	7.5	0.007		0.03	0.025	0.019	0.3	1.7	17.9	2.33
	-562	22	1239	9.5			<0.01	0.006	0.010	<0.1	1.5	18.7	2.30
	-563	23	1214	7.8			<0.01	0.005	0.005				
	-564	24	1084	11.1			0.01	0.008	0.006				
	-565	25	1066	10.0	0.018		0.01	0.011	0.012				
	-566	26	941	13.0	0.016		0.01	0.013	0.013	12.5	0.4	17.1	2.47
	-567	27	988	9.2	0.016		0.02	0.016	0.011	14.6	0.7	18.4	2.47
	-568	28	1085	9.8	0.013		0.02	0.016	0.014	16.4	0.3	18.4	2.49
	-569	29	1277	7.0	0.010		0.02	0.012	0.008	8.7	0.2	15.6	2.39
	-570	30	983	8.0	0.009		0.01	0.013	0.014	7.6		15.8	2.32
	-571	31	1259	5.4			<0.01	0.011	0.014	7.2		16.7	2.29
	-572	32	1428	5.5			<0.01	0.010	0.019				
	-573	33	1060	8.9			<0.01	0.008	0.016				
	-574	34	1042	8.0			<0.01	0.007	0.010				
	-575	35	1062	6.1			<0.01	0.006	0.011				
							<0.01	0.006	0.010				

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
Tonto 8-C	575-576	14453-36	1288	5.6	0.006		<0.01	0.007	0.012	<0.1	0.2	15.1	2.39
	-577	37	1011	6.5	0.026		0.03	0.026	0.025	2.7	0.3	14.7	2.33
	-578	38	1325	4.5	0.009	0.010	<0.01	0.013	0.018	2.4	0.2	13.8	2.33
	-579	39	1081	7.3	0.008		<0.01	0.010	0.013	0.1	0.8	15.6	2.25
	-580	40	1019	6.3	0.011		<0.01	0.009	0.013	<0.1	0.7	16.0	2.26
	-581	41	1077	10.9	0.021		0.02	0.021	0.025	<0.1	0.8	16.3	2.19
	-582	42	1068	7.7	0.027		0.03	0.022	0.018	<0.1	0.7	15.8	2.32
	-583	43	1400	8.4	0.015		0.02	0.017	0.017	3.2	1.4	15.8	2.48
	-584	44	1248	10.0	0.011		<0.01	0.014	0.020	0.4	1.0	17.1	2.63
	-585	45	998	9.0	0.006		<0.01	0.009	0.015	0.1	0.2	15.2	2.59
	-586	46	987	12.8	0.022		0.03	0.022	0.019	0.2	<0.1	15.5	2.54
	-587	47	1011	10.4	0.018		0.03	0.030	0.031	0.5	<0.1	15.0	2.55
	-588	48	962	11.6	0.052 CI		0.06	0.055	0.048	13.7	0.8	16.0	2.59
	-589	49	936	7.4	0.058 CI		0.06	0.061	0.058	24.0	1.3	15.9	2.57
	-590	50	774	12.8	0.052 CI	0.052	0.06	0.051	0.047	13.5	1.0	17.7	2.66
	-591	51	1085	15.2	0.009		0.01	0.017	0.023	0.8	0.4	16.7	2.61
	-592	52	877	11.8	0.004		<0.01	0.006	0.013	1.6	<0.1	17.7	2.69
	-593	53	814	12.9			<0.01	0.006	0.008				
	-594	54	992	10.4			<0.01	0.007	0.010				
	-595	55	1316	11.4			<0.01	0.006	0.009				
	-596	56	977	9.4			<0.01	0.003	0.012				
	-597	57	908	14.3			<0.01	0.008	0.009				
	-598'3"	58	1313	11.8			<0.01	0.006	0.009				
	600-601	59	975	16.0			<0.01	0.005	0.011				
	-602	60	944	12.5			<0.01	0.004	0.008				
	-603	61	907	13.1			<0.01	0.005	0.008				
	-604	62	1027	15.2			<0.01	0.006	0.011				
	-605	63	977	13.4	0.004		<0.01	0.006	0.006	3.5	4.6	16.9	2.45
	-606	64	724	19.5	0.035		0.03	0.023	0.015	0.1	17.8	21.2	2.00
	-607	65	679	20.3	0.015		0.01	0.015	0.017	<0.1	16.5	21.1	2.03
	-608	66	1145	10.6			<0.01	0.006	0.009				
	-609	67	920	13.6			<0.01	0.004	0.011				
	-610	68	954	9.6	0.004		<0.01	0.007	0.012	0.1	0.4	16.6	2.51
	-611	69	1061	12.0	0.006		<0.01	0.009	0.017	2.5	0.5	16.6	2.54
	-612	70	1136	9.3	0.033		0.03	0.026	0.023	5.7	3.0	16.0	2.42

DC Hole	Footage	HRI No.	Dry Grams[1]	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
Tonto 8-C	612-613	14453-71	989	12.6	0.047 CI		0.05	0.048	0.047	2.5	11.0	18.0	2.08
	-614	72	1162	11.0	0.037		0.04	0.036	0.028	9.2	12.4	19.8	2.04
	-615	73	1280	10.1	0.012		<0.01	0.013	0.016	11.1	3.2	16.2	2.22
	-616	74	909	8.6	0.001		<0.01	0.004	0.008	15.4	0.8	15.6	2.37
	-617	75	952	4.9			<0.01	0.005	0.008				
	-618	76	895	9.1			<0.01	0.005	0.013				
	-619	77	799	15.6			0.01	0.012	0.014				
	-620	78	1076	12.6			<0.01	0.006	0.009				
	-621	79	968	16.0			<0.01	0.003	0.010				
	-622	80	724	16.6			<0.01	0.006	0.010				
	-623	81	736	14.9	0.011		0.01	0.011	0.011	0.2	7.9	17.8	2.17
	-624	82	714	11.0	0.025		0.02	0.021	0.018	0.1	13.2	22.7	2.07
	-625	83	776	8.0	0.016		0.01	0.016	0.021	0.2	9.5	24.5	2.11
	-626	84	965	11.8			<0.01	0.010	0.010				
	-627	85	991	8.9			<0.01	0.005	0.003				
	-628	86	1010	13.9			<0.01	0.003	0.002				
	-629	87	719	28.7			<0.01	0.003	0.002				
	-630	88	1109	16.7			0.02	0.019	0.018				
	-631	89	1090	15.1			0.01	0.010	0.009				
	-632	90	1087	10.1			<0.01	0.007	0.010				
	-633	91	1367	10.3			0.01	0.011	0.009				
	-634	92	1311	12.0			<0.01	0.009	0.009				
	-635	93	1208	9.4			<0.01	0.006	0.005				
	-636	94	1586	6.4			0.03	0.026	0.018				
	-637	95	1315	8.7[2]			0.01	0.012	0.014				
	-638	96	1518	14.4[2]	0.025		0.03	0.034	0.038	1.2	0.1	14.0	2.64
	-639	97	1122	17.3[2]	0.032		0.04	0.041	0.046	0.1	<0.1	15.2	2.64
	-640	98	1231	15.4[2]	0.032		0.04	0.040	0.045	0.1	0.1	16.2	2.63
	-641	99	958	16.1[2]	0.003		0.01	0.012	0.013	0.1	0.1	17.6	2.63
	-642	100	1183	17.0[2]	0.012		0.02	0.016	0.017	0.1	0.1	15.4	2.71
	-643	101	1285	14.9[2]	0.014	0.014	0.02	0.018	0.018	<0.1	0.1	16.2	2.64
	-644	102	1489	13.5[2]	0.059		0.06	0.061	0.065	0.1	<0.1	16.2	2.63
	-645	103	1151	14.9[2]	0.088		0.09	0.084	0.075	<0.1	0.1	16.2	2.67
	-646	104	1237	15.5[2]	0.128		0.13	0.116	0.101	<0.1	0.1	16.0	2.65
	-647	105	1058	15.1[2]	0.161		0.18	0.170	0.157	<0.1	0.1	15.5	2.64

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
Tonto 8-C	647-648	14453-106	1073	16.0[2]	0.004		<0.01	0.006	0.008	<0.1	<0.1	16.6	2.65
	-649	107	978	15.1[2]	0.001		<0.01	0.004	0.008	0.1	0.1	15.3	2.65
	-650	108	1179	13.5[2]			<0.01	0.003	0.007				
	-651	109	992	14.4[2]			<0.01	0.004	0.005				
	-652	110	1190	13.8[2]			<0.01	0.004	0.005				
	-653	111	1240	17.0[2]			<0.01	0.003	0.005				
	-654	112	1107	17.2[2]			<0.01	0.003	0.006				
	-655	113	840	15.2[2]			<0.01	0.003	<0.002				
	-656	114	1120	18.1[2]			<0.01	0.003	<0.002				
	-657	115	1101	15.8[2]			<0.01	0.003	<0.002				

End of Tonto 8-C

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
158-C	380-381	14509-1	1228	8.5[4]	0.029		0.04	0.026	0.017	21.7	3.3	15.0	2.60
	-382	2	996	12.4	0.014		0.04	0.021	0.013	30.0	<0.1	16.1	2.63
	-383	3	1337	10.1	0.046		0.06	0.038	0.029	26.4	1.7	14.4	2.31
	-384	4	1178	9.2	0.052 CI		0.06	0.030	0.014	22.3	<0.1	13.9	2.51
	-385	5	1263	9.7	0.016		0.03	0.017	0.010	28.9	1.9	13.6	2.60
	-386	6	1251	10.1	0.017	0.017							
	-387	7	1243	7.5	0.013								
	-388	8	1065	14.1	0.015								
	-389	9	1368	11.7	0.023		0.04	0.023	0.014	38.4	<0.1	15.6	2.48
	-390	10	869	11.0	0.028		0.04	0.019	0.006	14.0	<0.1	17.2	2.35
	-391	11	1305	13.0	0.031 CI		0.04	0.033	0.029	24.5	2.4	15.1	2.52
	-392	12	1278	7.0	0.017		0.03	0.013	0.003	25.4	0.8	15.3	2.58
	-393	13	958	16.5	0.013		0.02	0.008	<0.002	23.7	2.2	14.7	2.50
	-394	14	951	15.4	0.015								
	-395	15	908	15.4	0.019								
	-396	16	1168	13.3	0.014								
	-397	17	1125	13.2	0.021		0.03	0.016	0.008	30.4	1.2	14.8	2.65
	-398	18	995	13.1	0.022	0.021	0.04	0.020	0.008	17.7	4.4	14.1	2.58
	-399	19	1209	13.0	0.022		0.04	0.019	0.009	26.5	1.3	15.0	2.61
	-400	20	1219	10.9	0.028		0.05	0.022	0.006	28.5	0.6	18.1	2.50
	-401	21	1154	16.4	0.023		0.03	0.016	0.005	4.0		15.7	2.42
	-402	22	1027	12.3	0.029		0.04	0.025	0.015	25.7	<0.1	14.2	2.48
	-403	23	1203	12.8	0.034 CI		0.05	0.027	0.015	10.9	2.3	14.5	2.47
	-404	24	1066	14.0	0.026		0.04	0.025	0.014	11.8	1.2	15.3	2.42
	-405	25	869	15.5	0.029		0.05	0.026	0.011	19.7	<0.1	14.8	2.44

4/ No core individually wrapped with foil. Sheets of foil were laid over all cores in a box before the cover was closed.

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
158-C	405 -406	14509 -26	503	23.2	0.011								
	-407	-27	512	17.3	0.012								
	-408	-28	781	16.7	0.009								
	-409	-29	986	14.5	0.006								
	-410	-30	578	17.0	0.006	0.006							
	-411	-31	886	15.8	0.008								
	-412	-32	1034	17.3	0.008								
	-413	-33	887	15.9	0.008								
	-414	-34	910	17.1	0.008								
	-415	-35	1022	14.3	0.009								
	-416	-36	800	16.0	0.009								
	-417	-37	842	17.6	0.007								
	-418	-38	823	16.0	0.007								
	-419	-39	998	16.6	0.006								
	-420	-40	866	14.1	0.010								
	-421	-41	982	12.0	0.015								
	-422	-42	1042	11.7	0.012	0.012							
	-423	-43	1284	12.9	0.008								
	-424	-44	1094	9.7	0.008								
	-425	-45	1180	12.7	0.009								
	-426	-46	1177	12.1	0.009								
	-427	-47	729	16.7	0.008								
	-428	-48	769	19.2	0.015								
	-429	-49	1284	16.2	0.007								
	-430	-50	914	15.0	0.007								
	-431	-51	1157	15.0	0.009								
	-432	-52	903	17.2	0.009								
	-433	-53	866	16.7	0.012								
	-434	-54	1141	16.8	0.020	0.021							
	-435	-55	1226	15.5	0.010								
	-436	-56	1239	16.1	0.006								
	-437	-57	1033	16.3	0.004								
	-438	-58	979	13.9	0.007								
	-439	-59	1088	13.1	0.005								
	-440	-60	1035	12.2	0.003								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
158-C	440 -441	14509 -61	1237	12.9	0.003								
	-442	-62	1241	15.5	0.003								
	-443	-63	1000	16.6	0.005								
	-444	-64	1022	16.7	0.013								
	-445	-65	986	19.5	0.008								
	-446	-66	793	20.4	0.012	0.012							
	-447	-67	757	19.7	0.022								
	-448	-68	1034	16.9	0.027		0.04	0.015	<0.002	0.6	9.5	14.3	2.15
	-449	-69	749	19.5	0.036 CI		0.04	0.020	0.010	14.8	10.1	16.2	2.09
	-450	-70	792	17.8	0.027		0.05	0.035	0.026	0.2	14.4	18.4	2.11
	-451	-71	1063	15.5	0.006		0.04	0.016	0.003	3.5	7.2	15.7	2.21
	-452	-72	959	17.3	0.006		0.02	0.009	<0.002	1.2	1.2	15.5	2.56
	-453	-73	814	14.8	0.002								
	-454	-74	1088	17.0	0.001								
	-455	-75	1045	14.2	0.001								
	-456	-76	1033	15.0	0.001								
	-457	-77	995	20.3	0.002								
	-458	-78	933	10.2	0.003	0.003							
	-459	-79	874	12.4	0.007								
	-460	-80	899	10.5	0.011		0.03	0.014	0.006	0.2	1.8	17.5	2.44
	-461	-81	528	16.1	0.053 CI		0.06	0.029	0.007	0.2	9.1	20.3	2.26
	-462	-82	678	12.0	0.007								
	-463	-83	737	20.6	0.011								
	-464	-84	813	21.1	0.012								
	-465	-85	969	13.3	0.017								
	-466	-86	1152	12.3	0.024								
	-467	-87	1185	12.2	0.007								
	-468	-88	958	8.5	0.005								
	-469	-89	1014	11.7	0.009								
	-470	-90	704	17.6	0.006	0.006							
	-471	-91	983	20.0	0.006								
	-472	-92	1146	10.6	0.008								
	-473	-93	1003	10.3	0.010								
	-474	-94	674	13.1	0.009								
	-475	-95	952	14.2	0.033 CI		0.05	0.021	0.004	<0.1	1.3	17.3	2.27

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
158-C	475 -476	14509-96	831	13.2	0.013		0.02	0.014	0.008	<0.1	0.3	15.8	2.37
	476 -477.5	-97	1012	18.9	0.010		0.03	0.013	<0.002	0.1	0.2	17.7	2.37
	488 -489	-98	1079	17.9	0.033 CI		0.04	0.023	0.011	0.1	0.2	14.8	2.48
	-490	-99	1367	12.6	0.011		0.03	0.016	0.006	<0.1	0.1	14.5	2.65
	-491	-100	1049	13.7	0.011		0.03	0.017	0.010	<0.1	0.7	17.0	2.64
	-492	-101	1131	18.3	0.098 CI		0.11	0.073	0.045	0.1	<0.1	16.9	2.64
	-493	-102	947	18.1	0.283 CI	0.280	0.32	0.208	0.139	<0.1	0.1	14.8	2.65
	-494	-103	1247	17.6	0.068 CI		0.08	0.046	0.026	<0.1	0.1	15.3	2.65
	-495	-104	1020	18.6	0.061 CI		0.08	0.048	0.026	0.1	0.1	15.9	2.63
	-496	-105	951	20.0	0.081 CI		0.10	0.054	0.026	0.1	0.1	15.9	2.64
	-497	-106	912	19.4	0.018		0.04	0.019	0.008	<0.1	<0.1	16.3	2.76
	-498	-107	1017	18.7	0.033		0.05	0.025	0.012	<0.1	<0.1	14.5	2.55
	-499	-108	1105	18.7	0.009		0.04	0.022	0.012	0.1	0.1	16.5	2.62
	-500	-109	1005	18.3	0.012								
	-501	-110	773	14.9	0.009								
	-502	-111	1093	16.4	0.008								
	-503	-112	1149	16.3	0.009								
	-504	-113	970	15.4	0.001	<0.001							
	-505	-114	1157	15.9	0.001								
	-506	-115	1073	15.3	0.004								
	-507	-116	908	14.3	0.004								
	-508	-117	1151	15.9	0.001								
	-509	-118	868	14.8	0.002								
	-510	-119	715	11.1	0.002								
	-511	-120	709	19.6	0.001								
	-512	-121	731	20.8	<0.001								
	-513	-122	1054	16.0	<0.001								
	-514	-123	694	17.6	<0.001								
	-515	-124	976	17.6	<0.001								
	-516	-125	767	18.5	<0.001								
	-517	-126	811	17.4	<0.001	<0.001							
	-518	-127	1058	17.3	<0.001								

End of 158-C

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
126-C	645 -646	14556 -1	1071	13.0	0.001								
	-647	-2	1245	8.1	0.001								
	-648	-3	1261	11.0	0.002								
	-649	-4	1188	11.8	0.002								
	-650	-5	1375	6.1	0.001								
	-651	-6	1027	9.6	0.001	0.001							
	-652	-7	1214	10.5	0.001								
	-653	-8	976	10.6	0.002								
	-654	-9	901	17.3	0.001								
	-655	-10	1065	20.1	0.001								
	-656	-11	921	19.6	0.001								
	-657	-12	1042	17.4	0.003								
	-658	-13	1163	12.8	0.002								
	-659	-14	662	7.7	0.027								
	-660	-15	884	9.8	0.020								
	-661	-16	875	11.0	0.028								
	-662	-17	1106	11.3	0.007								
	-663	-18	912	8.4	0.005	0.005							
	-664	-19	1064	13.3	0.002								
	-665	-20	1045	13.6	0.001								
	-666	-21	856	13.2	0.001								
	-667	-22	921	12.6	0.001								
	-668	-23	1098	7.3	0.018		0.01	0.018	0.019	30.9	<0.1	14.1	2.58
	-669	-24	1263	11.1[2]	0.029 CI		0.02	0.029	0.033	23.2	<0.1	14.5	2.51
	-670	-25	1207	10.6[2]	0.091 CI		0.10	0.098	0.094	10.8	<0.1	14.0	2.54
	-671	-26	1200	12.0[2]	0.027 CI		0.02	0.031	0.033	8.8	0.1	14.3	2.54
	-672	-27	1026	13.1[2]	0.300 CI		0.35	0.239	0.176	0.3	<0.1	14.8	2.56
	-673	-28	1230	9.8[2]	0.102 CI		0.12	0.106	0.097	0.2	<0.1	14.0	2.56
	-674	-29	1023	11.4[2]	0.010		0.01	0.021	0.027	0.1	<0.1	14.4	2.58
	-675	-30	1048	14.2[2]	0.008	0.008	<0.01	0.007	0.010	0.1	<0.1	15.3	2.50
	-676	-31	944	16.9[2]	0.006		<0.01	0.007	0.009	0.1	<0.1	17.2	2.44
	-677	-32	1176	9.7[2]	0.023		0.02	0.025	0.027	18.0	<0.1	13.8	2.57
	-678	-33	1374	9.0[2]	0.102 CI		0.12	0.083	0.058	22.7	0.4	14.4	2.65
	-679	-34	1166	9.2[2]	0.028 CI		0.04	0.048	0.051	21.2	0.3	14.1	2.61
	-680	-35	1409	7.6[2]	0.032 CI		0.03	0.039	0.041	36.0	<0.1	14.2	2.69

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
126-C	680 -681	14556 -36	846	15.8[2]	0.018								
	-682	-37	996	12.5[2]	0.009		0.01	0.017	0.016	1.1	0.1	14.6	2.50
	-683	-38	906	16.1[2]	0.013								
	-684	-39	789	13.6[2]	0.038 CI								
	-685	-40	1053	11.9	0.018		0.03	0.040	0.042	0.1	<0.1	15.9	2.48
	-686	-41	1075	11.3	0.017								
	-687	-42	833	19.9	0.016	0.015							
	-688	-43	878	18.0	0.007								
	-689	-44	1079	16.6	0.004								
	-690	-45	1137	13.1	0.012		<0.01	0.013	0.016	0.1	0.3	16.3	2.47
	-691	-46	1233	10.0	0.013		0.01	0.018	0.023	<0.1	(See note)	16.4	2.59
	-692	-47	1150	11.6	0.063 CI		0.05	0.049	0.045	<0.1	<0.1	17.3	2.61
	-693	-48	1028	13.6	0.029		0.01	0.026	0.032	0.1	<0.1	15.7	2.63
	-694	-49	868	16.9	0.006		<0.01	0.009	0.015	0.4	(See note)	16.5	2.59
	-695	-50	936	12.4	0.019			(See note)		1.6	(See note)	15.1	2.70
	-696	-51	720	12.2	0.053 CI			(See note)		0.1	0.1	18.0	2.62
	-697	-52	909	11.6	0.038 CI		0.04	0.035	0.031	<0.1	0.1	16.4	2.36
	-698	-53	846	11.5	0.014		0.01	0.016	0.016	<0.1	0.1	16.4	2.34
	-699	-54	1092	11.5	0.009	0.009		(See note)		<0.1	(See note)	14.7	2.52
	-700	-55	1041	10.8	0.008								
	-701	-56	1167	11.9	0.015								
	-702	-57	1149	13.9	0.005								
	-703	-58	1093	12.4	0.017								
	-704	-59	1173	14.8	0.021		0.01	0.021	0.023	1.4	(See note)	16.6	2.57
	-705	-60	1158	13.6	0.020		0.01	0.021	0.022	0.9	0.2	16.3	2.73
	-706	-61	938	12.2	0.009		<0.01	0.015	0.020	0.6	(See note)	15.3	2.68
	-707	-62	1093	13.1	0.082 CI		0.09	0.056	0.035	3.1	1.3	16.1	2.64
	-708	-63	1126	14.5	0.048 CI		0.04	0.040	0.036	2.8	0.7	15.6	2.65
	-709	-64	1024	16.9	0.034		0.04	0.030	0.020	0.5	9.4	17.5	2.75
	-710	-65	855	19.9	0.019		0.01	0.017	0.016	0.1	(See note)	16.7	2.16
	-711	-66	1097	13.8	0.007	0.007							
	-712	-67	1219	15.2	0.001								
	-713	-68	949	17.1	<0.001								
	-713'7"	-69	398	16.5	<0.001								

End of 126-C

Note: Insufficient sample.

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/ Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
165-C	530 -531	14585 -1	1143	10.3	0.001								
	-532	-2	1065	10.5	0.002								
	-533	-3	1125	14.3	0.004								
	-534	-4	1230	15.0	0.004								
	-535	-5	1098	19.9	0.004								
	-536	-6	863	23.2	0.004	0.004							
	-537	-7	1458	12.9	0.001								
	-538	-8	1107	14.2	0.001								
	-539	-9	1009	14.4	0.001								
	-540	-10	1146	12.1	0.001								
	-541	-11	915	11.5	0.011								
	-542	-12	1060	15.0	0.003								
	-543	-13	604	16.2	0.006								
	-544	-14	897	16.8	0.005								
	-545	-15	843	16.7	0.004								
	-546	-16	1018	16.4	0.005								
	-547	-17	981	11.5	0.004								
	-548	-18	1068	13.1	0.007	0.007							
	-549	-19	1132	11.0	0.008								
	-550	-20	1130	11.4	0.006								
	-551	-21	1305	6.0	0.005								
	-552	-22	1417	7.2	0.013								
	-553	-23	1193	10.7	0.010								
	-554	-24	1130	12.9	0.033								
	-555	-25	1204	10.4	0.004								
	-556	-26	1044	13.4	0.004								
	-557	-27	1083	13.5	0.002								
	-558	-28	813	14.5	0.002								
	-559	-29	1127	16.6	0.002								
	-560	-30	825	22.1	0.002	0.002							
	-561	-31	832	23.6	0.002								
	-562	-32	748	17.3	0.007								
	-563	-33	1073	12.2	0.002								
	-564	-34	1176	9.7	0.002								
	-565	-35	1157	11.6	0.002								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
165-C	565 -566	14585 -36	1155	11.2	0.002								
	-567	-37	1264	11.3	0.002								
	-568	-38	1245	9.0	0.002								
	-569	-39	1192	11.6	0.002								
	-570	-40	1233	7.6	0.001								
	-571	-41	1312	11.5	0.002								
	-572	-42	1295	13.1[2]	0.002	0.002							
	-573	-43	1097	14.4[2]	0.003								
	-574	-44	1173	18.7[2]	0.003								
	-575	-45	1226	13.7[2]	0.003								
	-576	-46	1019	14.6[2]	0.002								
	-577	-47	1204	15.4[2]	0.036 CI		0.01	0.007	0.003	0.1	<0.1	15.5	2.53
	-578	-48	987	19.6[2]	0.211 CI		0.05	0.039	0.028	<0.1	0.2	16.9	2.48
	-579	-49	1062	16.0[2]	0.048 CI		0.17	0.224	0.174	0.1	2.2	17.6	2.32
	-580	-50	964	13.9[2]	0.027 CI		0.07	0.059	0.049	<0.1	0.8	17.4	2.35
	-581	-51	1114	10.0[2]	0.019		0.05	0.068	0.084	<0.1	0.3	16.8	2.35
	-582	-52	975	14.3[2]	0.006		0.03	0.027	0.021	<0.1	0.2	15.8	2.25
	-583	-53	1118	14.7[2]	0.006		0.01	0.015	0.017	0.1	0.2	16.9	2.29
	-584	-54	1094	14.5[2]	0.005	0.005							
	-585	-55	1113	11.3[2]	0.007								
	-586	-56	1289	13.8[2]	0.005								
	-587	-57	965	14.1	0.008								
	-588	-58	1267	11.9	0.010								
	-589	-59	1136	15.2	0.028								
	-590	-60	1270	11.4	0.013								
	-591	-61	1464	9.3	0.013								
	-592	-62	1095	11.7	0.017								
	-593	-63	1361	10.6	0.022								
	-594	-64	1060	14.0	0.032								
	-595	-65	1123	18.2	0.020								
	-596	-66	1008	15.7	0.013	0.013							
	-597	-67	1171	11.5	0.018								
	-598	-68	1189	11.1	0.012								
	-599	-69	1172	10.8	0.015								
	-600	-70	1145	15.1	0.008								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
165-C	600 -601	14585 -71	918	12.9	0.008								
	-602	-72	1017	15.2	0.005								
	-603	-73	1034	14.2	0.007								
	-604	-74	1059	14.7	0.020								
	-605	-75	963	16.5	0.010								
	-606	-76	1017	16.2	0.011								
	-607	-77	1246	8.7	0.020								
	-608	-78	1063	10.3	0.003	0.003							
	-609	-79	1107	8.5	0.005								
	-610	-80	981	17.3	0.007								
	-611	-81	1107	12.1	0.006								
	-612	-82	1447	11.6	0.004								
	-613	-83	1014	7.3	0.007								
	-614	-84	1243	7.6	0.009								
	-615	-85	1096	6.2	0.009								
	-616	-86	1254	8.9	0.007								
	-617	-87	1115	9.1	0.009								
	-618	-88	996	11.2	0.010								
	-619	-89	904	16.0	0.012								
	-620	-90	909	15.6	0.011	0.011							
	-621	-91	1189	13.1	0.033 CI		0.05	0.040	0.034	0.7	0.3	14.9	2.61
	-622	-92	916	13.3	0.026								
	-623	-93	953	13.5	0.007								
	-624	-94	1036	12.5	0.009								
	-625	-95	996	14.2	0.007		0.02	0.014	0.011	0.9	0.2	16.1	2.60
	-626	-96	1467	4.9	0.010		0.02	0.021	0.025	10.0	1.3	15.0	2.65
	-627	-97	1246	10.6	0.057 CI		0.08	0.059	0.033	14.6	0.3	14.1	2.61
	-628	-98	1144	15.3	0.026 CI		0.04	0.032	0.023	0.4	0.5	15.5	2.58
	-629	-99	1119	21.8	0.012		0.02	0.017	0.014	1.4	<0.1	14.9	2.55
	-630	-100	1061	16.8	0.007								
	-631'4"	-101	1278	12.4	0.006	0.006							

End of 165-C

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric		Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
161-C	510 -511	14579 -1	899	20.0	0.003									
	-512	-2	777	25.8	0.004									
	-513	-3	786	25.8	0.003									
	-514	-4	1184	10.7	0.002									
	-515	-5	1107	11.5	0.001									
	-516	-6	1062	11.8	0.003		0.002							
	-517	-7	1344	12.1	0.001									
	-518	-8	1127	13.8[2]	0.002									
	-519	-9	1013	16.3[2]	0.002									
	-520	-10	883	15.6[2]	0.003									
	-521	-11	870	13.7[2]	0.003									
	-522	-12	1162	14.0[2]	0.002									
	-523	-13	992	16.4[2]	0.032			0.05	0.043	0.037	1.2	0.3	18.0	2.60
	-524	-14	1038	15.6[2]	0.014									
	-525	-15	1067	15.7	0.023									
	-526	-16	794	15.3[2]	0.014									
	-527	-17	952	19.3[2]	0.018									
	-528	-18	394	23.8[2]	0.004		0.004	0.02	0.027	0.034	0.2	<0.1	18.7	2.31
	-529	-19	1053	17.4[2]	0.012			0.03	0.030	0.026	<0.1	0.5	16.3	2.37
	-530	-20	1056	13.3[2]	0.041	CI		0.08	0.071	0.061	0.1	0.4	16.4	2.28
	-531	-21	990	18.3[2]	0.012			0.02	0.022	0.026	<0.1	0.4	18.0	2.42
	-532	-22	763	16.1[2]	0.010			0.02	0.013	0.011	<0.1	0.3	18.8	2.29
	-533	-23	943	8.8[2]	0.012			0.02	0.017	0.012	<0.1	0.4	14.8	2.28
	-534	-24	1032	17.3[2]	0.010			0.02	0.024	0.025	0.1	0.3	18.5	2.35
	-535	-25	1107	13.7[2]	0.041	CI		0.06	0.049	0.038	0.5	0.2	17.0	2.43
	-536	-26	1151	12.1[2]	0.037			0.05	0.042	0.037	4.7	0.3	15.3	2.44
	-537	-27	849	21.2[2]	0.017			0.03	0.029	0.028	1.9	0.2	16.8	2.41
	-538	-28	1200	12.8[2]	0.027			0.05	0.040	0.032	0.2	0.8	16.0	2.40
	-539	-29	909	16.5[2]	0.121	CI		0.13	0.065	0.028	<0.1	0.4	18.6	2.41
	-540	-30	1021	18.5[2]	0.016		0.016	0.03	0.030	0.030	0.1	0.3	17.0	2.49
	-541	-31	1135	17.2[2]	0.037			0.05	0.050	0.045	5.3	0.5	15.7	2.62
	-542	-32	1097	15.3[2]	0.031			0.05	0.039	0.032	17.6	0.7	16.4	2.56
	-543	-33	1151	14.9[2]	0.032			0.05	0.042	0.037	21.4	1.3	15.7	2.42
	-544	-34	1198	14.2[2]	0.025									
	-545	-35	1091	16.4[2]	0.023									

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
161-C	545 -546	14579 -36	1170	13.8[2]	0.019								
	-547	-37	1282	14.0[2]	0.018								
	-548	-38	1109	16.5[2]	0.020								
	-549	-39	1070	14.0[2]	0.025								
	-550	-40	1236	15.7[2]	0.021								
	-551	-41	1051	14.0[2]	0.016								
	-552	-42	1011	17.5[2]	0.014	0.014							
	-553	-43	1028	18.0[2]	0.015								
	-554	-44	1382	13.6[2]	0.011								
	-555	-45	1235	13.3[2]	0.006								
	-556	-46	1216	14.3	0.008								
	-557	-47	1225	12.6	0.006								
	-558	-48	1228	13.5	0.007								
	-559	-49	1083	14.8	0.007								
	-560	-50	1157	15.2	0.005								
	-561	-51	1220	16.2	0.009								
	-562	-52	1154	21.3	0.009								
	-563	-53	1047	17.5	0.008								
	-564	-54	964	17.2	0.007	0.007							
	-565	-55	957	20.3	0.007								
	-566	-56	919	20.0	0.009								
	-567	-57	1082	13.7	0.011								
	-568	-58	1061	14.8	0.006								
	-569	-59	1499	10.5	0.006								
	-570	-60	1197	9.9[2]	0.004								
	-571	-61	1159	13.9[2]	0.005								
	-572	-62	880	12.8[2]	0.005		0.02	0.010	0.005	0.3	0.7	16.4	2.46
	-573	-63	1160	12.4[2]	0.009		0.02	0.023	0.027	0.2	0.8	17.5	2.48
	-574	-64	1264	7.9[2]	0.044 CI		0.06	0.055	0.051	14.4	0.9	14.5	2.58
	-575	-65	1636	4.9[2]	0.041 CI		0.05	0.051	0.050	13.0	0.1	13.9	2.45
	-576	-66	1141	14.1[2]	0.009	0.009	0.02	0.016	0.017	0.2	1.0	16.4	2.44
	-577	-67	994	16.5[2]	0.010		0.02	0.017	0.018	0.1	0.7	16.4	2.41
	-578	-68	897	17.5[2]	0.016								
	-579	-69	869	19.1[2]	0.015								
	-580	-70	1077	16.3[2]	0.010								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric		Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
161-C	580 -581	14579 -71	917	14.7[2]	0.006									
	-582	-72	838	15.5	0.005									
	-583	-73	1110	16.0	0.009									
	-584	-74	1086	12.2	0.009									
	-585	-75	1022	12.0	0.012									
	-586	-76	1095	11.0	0.010									
	-587	-77	1192	12.9	0.010									
	-588	-78	947	10.3	0.007		0.007							
	-589	-79	1021	10.7	0.006									
	-590	-80	873	16.3	0.012									
	-591	-81	1144	16.1	0.010									
	-592	-82	1226	6.5	0.003									
	-593	-83	961	13.6	0.003									
	-594	-84	1128	14.0	0.002									
	-595	-85	975	11.8	0.001									
	-596	-86	898	13.9	0.004									
	-597	-87	912	16.7[2]	0.004			0.01	0.007	0.007	0.7	0.7	16.4	2.67
	-598	-88	1063	16.1[2]	0.007			0.01	0.012	0.009	0.1	1.0	14.7	2.56
	-599	-89	697	25.4[2]	0.046	CI		0.05	0.036	0.021	<0.1	18.4	21.9	2.06
	-600	-90	608	24.7[2]	0.044	CI	0.046	0.07	0.056	0.042	0.1	17.4	16.5	2.12
	-601	-91	911	21.4[2]	0.035			0.05	0.033	0.017	0.2	13.1	16.0	2.33
	-602	-92	924	20.3[2]	0.008			0.02	0.017	0.012	0.1	7.7	15.2	2.34
	-603	-93	857	19.2[2]	0.018			0.03	0.025	0.022	8.6	7.1	20.3	2.10
	-604	-94	603	23.6[2]	0.124	CI		0.16	0.123	0.088	0.3	16.5	22.4	1.90
	-605	-95	1030	18.1[2]	0.038	CI		0.04	0.044	0.049	0.3	6.4	17.0	2.40
	-606	-96	1057	14.7[2]	0.014			0.02	0.023	0.023	0.7	0.4	17.6	2.62
	-607	-97	921	19.1[2]	0.036	CI		0.03	0.028	0.027	21.4	<0.1	15.0	2.58
	-608	-98	845	15.5[2]	0.035	CI		0.04	0.038	0.032	16.8	3.2	16.4	2.60
	-609	-99	752	14.8[2]	0.016			0.03	0.019	0.007	22.2	<0.1	17.1	2.54
	-610	-100	906	10.2	0.003									
	-611	-101	1093	10.9	0.002									
	-612	-102	951	10.4	0.002		0.002							
	-613	-103	1091	10.4	0.001									
	-614	-104	1086	10.3	0.001									
	-615	-105	1036	11.8	0.001									

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
161-C	615 -616	14579 -106	930	20.7	0.001								
	-617	-107	835	18.2	0.002								
	-618	-108	806	21.2	0.002								
	-619	-109	685	20.2	0.012								
	-620	-110	1042	12.2	0.011								
	-621	-111	1101	11.4	0.012								
	-622	-112	892	16.1	0.006								
	-623	-113	859	13.2	0.003								
	-624	-114	865	12.6	0.013	0.014							
	-625	-115	942	14.2	0.011								
	-626	-116	857	16.9	0.007								
	-627	-117	826	14.0	0.004								
	-628	-118	1308	11.2	0.006								
	-629	-119	1115	10.0	0.004								
	-630	-120	1094	16.5	0.006								
	-631	-121	850	14.0[2]	0.020								
	-632	-122	948	20.5[2]	0.017								
	-633	-123	1005	13.8[2]	0.015								
	-634	-124	1111	11.8[2]	0.012								
	-635	-125	1128	15.1[2]	0.021								
	-636	-126	852	16.1[2]	0.014	0.014	0.02	0.019	0.017	0.1	<0.1	17.1	2.75
	-637	-127	924	18.0[2]	0.045 CI		0.02	0.017	0.016	0.1	0.1	15.9	2.66
	-638	-128	1027	16.6[2]	0.015		0.03	0.035	0.036	0.1	0.1	17.5	2.66
	-639	-129	915	16.4[2]	0.122 CI		0.02	0.024	0.027	<0.1	0.1	16.1	2.63
	-640	-130	1002	15.7[2]	0.014		0.11	0.062	0.034	<0.1	0.1	15.7	2.67
	-641	-131	959	15.7[2]	0.009		0.01	0.015	0.021	0.1	0.1	16.4	2.67
	-642	-132	1351	15.3[2]	0.160 CI		0.01	0.015	0.017	<0.1	<0.1	16.8	2.65
	-643	-133	1009	17.3[2]	0.012		0.17	0.096	0.057	0.2	0.1	15.6	2.65
	-644	-134	870	17.4[2]	0.011		0.02	0.025	0.033	0.1	0.1	16.2	2.63
	-645	-135	950	17.7[2]	0.013		0.02	0.019	0.024	0.1	<0.1	16.1	2.66
	-646	-136	947	17.8[2]	0.034		0.02	0.020	0.022	0.1	0.1	16.3	2.64
	-647	-137	969	17.5[2]	0.046 CI		0.04	0.030	0.029	<0.1	0.1	16.4	2.63
	-648	-138	1007	17.7[2]	0.036	0.035	0.06	0.045	0.042	<0.1	0.1	17.1	2.64
	-649	-139	1019	19.1[2]	0.005		0.04	0.028	0.025	0.1	0.1	16.7	2.62
	-650	-140	872	19.2[2]	0.004		0.01	0.011	0.011	<0.1	<0.1	17.2	2.64
							<0.01	0.008	0.010	<0.1	<0.1	17.3	2.61

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
161-C	650 -651	14579 -141	986	18.5[2]	0.003								
	-652	-142	985	16.1[2]	0.003								
	-653	-143	734	12.4[2]	0.001								
	-654	-144	787	15.1[2]	<0.001								
	-655	-145	1074	14.8	<0.001								
	-656	-146	1116	16.6	<0.001								
	-657	-147	997	16.0	0.001								
	-658	-148	648	13.7	<0.001								
	-659	-149	1135	13.9	<0.001								
	-660	-150	970	14.6	<0.001	<0.001							
	-661	-151	912	14.6	<0.001								
	-662	-152	803	13.9	<0.001								
	-663	-153	1107	12.4	0.001								

End of 161-C

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric		Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
169-C	605 -606	14643 -1	1001	16.4	0.004		0.005							
	-607	-2	1057	13.5	0.005									
	-608	-3	1051	13.1	0.006									
	-609	-4	1055	13.1	0.007									
	-610	-5	1209	7.9	0.016									
	-611	-6	991	13.7	0.016									
	-612	-7	963	15.4	0.016									
	-613	-8	965	15.3	0.016									
	-614	-9	1130	15.8	0.015			0.02	0.018	0.015	15.8	<0.1	17.6	2.35
	-615	-10	932	14.1	0.010		0.011	<0.01	0.010	0.012	20.7	0.4	17.6	2.61
	-616	-11	1133	16.8	0.052	CI		0.06	0.038	0.023	20.3	1.0	16.0	2.59
	-617	-12	995	15.5	0.015			0.02	0.018	0.015	26.0	<0.1	16.7	2.17
	-618	-13	1217	14.6	0.014			0.02	0.016	0.014	26.6	<0.1	15.6	2.56
	-619	-14	1265	12.4	0.010									
	-620	-15	974	15.8	0.008									
	-621	-16	1045	12.4	0.010									
	-622	-17	857	14.9	0.021									
	-623	-18	944	10.4	0.010									
	-624	-19	616	15.3	0.014									
	-625	-20	705	15.0	0.010		0.012							
	-626	-21	647	12.9	0.012									
	-627	-22	1042	10.2	0.012									
	-628	-23	979	0.4	0.012									
	-629	-24	792	11.8	0.011			0.02	0.014	0.011	3.7	<0.1	15.6	2.69
	-630	-25	712	12.7	0.030			0.04	0.037	0.032	16.9	<0.1	15.9	2.14
	-631	-26	1003	17.6	0.045	CI		0.08	0.043	0.025	16.0	3.0	18.3	2.66
	-632	-27	880	20.0	0.030			0.04	0.029	0.022	10.9	0.8	17.7	2.57
	-633	-28	1165	13.2	0.014			0.02	0.016	0.014	40.5	<0.1	14.9	2.50
	-634	-29	1138	13.9	0.026			0.03	0.022	0.015	37.0	0.7	18.0	2.69
	-635	-30	1333	12.3	0.014		0.015	0.02	0.015	0.013	49.7	<0.1	16.5	2.66
	-636	-31	1220	11.4	0.030			0.03	0.025	0.020	40.8	<0.1	15.9	2.67
	-637	-32	1258	11.4	0.022			0.02	0.020	0.017	43.3	<0.1	15.9	2.75
	-638	-33	980	10.0	0.028			0.03	0.022	0.019	23.9	4.2	15.3	2.64
	-639	-34	1080	10.6	0.030			0.02	0.022	0.023	46.4	<0.1	16.7	2.63
	-640	-35	975	13.4	0.035	CI		0.03	0.027	0.025	34.3	1.0	14.9	2.70

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/ Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
169-C	640 -641	14643 -36	827	10.9	0.039 CI		0.03	0.030	0.027	38.8	<0.1	15.3	2.56
	-642	-37	1276	10.1	0.035 CI		0.03	0.028	0.027	35.9	<0.1	15.6	2.56
	-643	-38	1160	13.9	0.028		0.02	0.041	0.050	25.3	<0.1	16.6	2.55
	-644	-39	1134	10.8	0.019		0.02	0.016	0.013	33.9	1.2	15.3	2.99
	-645	-40	1260	10.7	0.009	0.009							
	-646	-41	1203	8.5	0.009								
	-647	-42	1270	9.0	0.009								
	-648	-43	997	16.5	0.017								
	-649	-44	1045	8.4	0.020								
	-650	-45	1098	13.9	0.018								
	-651	-46	809	16.0	0.008								
	-652	-47	1166	13.3	0.017								
	-653	-48	1130	12.1	0.010								
	-654	-49	1081	14.9	0.005								
	-655	-50	916	15.3	0.006	0.006							
	-656	-51	917	14.0	0.006								
	-657	-52	1882	2.5	0.003								
	-658	-53	1042	14.1	0.004								
	-659	-54	1128	11.7	0.004								
	-660	-55	959	15.9	0.004								
	-661	-56	1263	15.7	0.006								
	-662	-57	996	15.8	0.006								
	-663	-58	934	16.0	0.004								
	-664	-59	853	14.6	0.003								
	-665	-60	1119	15.7	0.004	0.007							
	-666	-61	1038	15.6	0.007								
	-667	-62	1005	16.0	0.007								
	-668	-63	788	17.1	0.004								
	-669	-64	817	26.6	0.003								
	-670	-65	794	16.5	0.002								
	-671	-66	1047	15.7	0.002								
	-672	-67	1245	11.8	0.001								
	-673	-68	1608	13.7	0.013								
	-674	-69	1097	13.7	0.007								
	-675	-70	1269	13.9	0.002	<0.001							

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
169-C	675 -676	14643 -71	1083	19.6	0.002								
	-677	-72	995	18.9	0.002								
	-678	-73	1019	17.5	0.002								
	-679	-74	1074	12.2	0.001								
	-680	-75	888	16.8	0.002								
	-681	-76	890	17.4	0.001								
	-682	-77	1057	13.0	0.002								
	-683	-78	844	19.4	0.013								
	-684	-79	841	18.1	0.008								
	-685	-80	863	17.0	0.007	0.010							
	-686	-81	991	15.3	0.006								
	-687	-82	1339	9.8	0.004								
	-688	-83	1357	3.9	0.001								
	-689	-84	1111	5.3	0.001								
	-690	-85	1193	10.5	0.002								
	-691	-86	907	14.4	0.002								
	-692	-87	1020	14.3	0.002								
	-693	-88	1141	13.3	0.001								
	-694	-89	1295	12.6	0.001								
	-695	-90	1110	14.0	0.001	< 0.001							
	-696	-91	1000	11.8	0.001								
	-697	-92	1204	12.7	0.001								
	-698	-93	804	12.3	0.001								
	-699	-94	1032	13.2	0.001								
	-700	-95	1222	12.8	0.001								
	-701	-96	1006	10.8	0.001								
	-702	-97	746	15.7	0.003								
	-703	-98	1029	18.7	0.007								
	-704	-99	812	16.7	0.021								
	-705	-100	823	36.1	0.004	0.005							
	-706	-101	1137	11.9	0.004								
	-707	-102	1110	15.3	0.004								
	-708	-103	1026	19.3	0.004								
	-709	-104	1089	10.3	0.008								
	-710	-105	1028	8.7	0.006								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/ Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
169-C	710 -711	14643 -106	976	11.2	0.005								
	-712	-107	997	10.2	0.008								
	-713	-108	920	11.7	0.009								
	-714	-109	1099	3.5	0.006								
	-715	-110	1378	6.0	0.007	0.008							
	-716	-111	1018	14.3	0.008								
	-717	-112	1114	13.3	0.005								
	-718	-113	1160	13.3	0.010								
	-719	-114	1094	12.7	0.022								
	-720	-115	1186	3.6	0.025		0.03	0.020	0.013	40.0	<0.1	17.9	2.75
							0.02	0.020	0.020	19.1	0.2	15.5	2.55
	-721	-116	942	10.8	0.017								
	-722	-117	1373	8.0	0.045 CI		0.02	0.017	0.016	17.6	<0.1	17.0	2.53
	-723	-118	492	10.4	0.035 CI		0.06	0.035	0.024	0.3	<0.1	16.9	2.44
	-724	-119	692	13.9	0.006		0.04	0.026	0.020	0.1	<0.1	15.0	2.54
	-725	-120	689	13.3	0.003	0.002	0.01	0.009	0.006	<0.1	0.1	17.0	2.56
	-726	-121	540	13.9	0.002								
	-727	-122	602	13.5	0.001								
	-728	-123	650	13.6	<0.001								
	-729	-124	624	13.4	0.001								
	-730	-125	596	13.9	0.001								
	-731	-126	948	13.6	0.001								
	-732	-127	901	3.2	0.001								
	-733	-128	577	13.7	0.001								
	-734	-129	857	14.1	0.001								
	-735	-130	629	14.6	0.001	<0.001							
	-736	-131	672	13.3	0.001								
	-737	-132	850	13.5	0.001								
	-738	-133	642	14.0	0.001								
	744 -745	-134	957	12.3	0.001								

End of 169-C

Note: No foil samples.

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
171-C	660 -661	14661-1	825	18.3	0.002								
	-662	-2	1084	10.3	0.002								
	-663	-3	1339	7.6	0.003								
	-664	-4	1540	9.1	0.001								
	-665	-5	1371	8.6	0.001								
	-666	-6	1326	7.4	<0.001	<0.001							
	-667	-7	1297	8.0	0.001								
	-668	-8	1222	9.3	0.002								
	-669	-9	981	13.9	0.003								
	-670	-10	1283	15.8	0.003								
	-671	-11	1390	9.4	0.002								
	-672	-12	1274	8.1	0.003								
	-673	-13	819	16.2	0.001								
	-674	-14	1217	7.6	0.007								
	-675	-15	906	9.8	0.004								
	-676	-16	972	21.0[2]	0.001								
	-677	-17	893	12.7[2]	0.016								
	-678	-18	788	16.6[2]	0.021	0.021							
	-679	-19	1055	14.8[2]	0.011								
	-680	-20	1246	12.5[2]	0.005								
	-681	-21	1157	14.9[2]	0.012								
	-682	-22	1343	11.5[2]	0.007								
	-683	-23	1170	12.8[2]	0.003								
	-684	-24	1097	15.7[2]	0.001								
	-685	-25	1243	13.1[2]	0.001								
	-686	-26	1250	11.5[2]	0.004		<0.01	0.007	0.009	1.6	0.2	14.3	2.58
	-687	-27	1147	15.2[2]	0.001		<0.01	0.005	0.005	0.3	0.4	16.4	2.54
	-688	-28	1040	14.0[2]	0.040 CI		0.05	0.031	0.021	25.9	<0.1	16.9	2.61
	-689	-29	1342	12.1[2]	0.034 CI		0.04	0.034	0.032	28.3	0.8	14.5	2.67
	-690	-30	1248	11.8[2]	0.035 CI	0.036	0.05	0.043	0.041	25.0	1.1	14.6	2.68
	-691	-31	1382	12.0[2]	0.016		0.03	0.024	0.021	0.7	0.3	14.7	2.52
	-692	-32	867	14.4[2]	0.017		0.03	0.024	0.019	16.5	<0.1	16.8	2.51
	-693	-33	1303	11.9[2]	0.214 CI		0.24	0.181	0.148	11.2	0.1	15.9	2.52
	-694	-34	1358	10.0[2]	0.172 CI		0.17	0.118	0.088	19.8	0.2	14.2	2.60
	-695	-35	1574	14.0[2]	0.030 CI		0.04	0.039	0.038	20.9	0.7	14.8	2.54

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/ Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
171-C	695 -696	14661-36	1304	11.3[2]	0.101 CI		0.12	0.080	0.056	12.0	0.4	13.9	2.57
	-697	-37	1176	11.0[2]	0.017		0.01	0.018	0.020	8.1	0.1	14.8	2.58
	-698	-38	1231	10.2[2]	0.009		<0.01	0.011	0.013	9.3	0.3	14.7	2.58
	-699	-39	1101	17.3[2]	0.010		0.01	0.017	0.020	7.3	0.3	16.4	2.23
	-700	-40	1121	18.6[2]	0.038 CI		0.05	0.034	0.027	15.7	<0.1	16.8	2.54
	-701	-41	1158	15.7[2]	0.028 CI		0.03	0.027	0.025	23.4	0.9	15.3	2.55
	-702	-42	1407	10.3[2]	0.017	0.019	0.02	0.022	0.021	27.0	0.5	13.7	2.57
	-703	-43	1161	14.9[2]	0.028		0.03	0.022	0.017	11.8	0.8	16.7	2.44
	-704	-44	1165	14.3[2]	0.017								
	-705	-45	1227	8.8[2]	0.017								
	-706	-46	1194	13.1[2]	0.016								
	-707	-47	1302	13.1[2]	0.013								
	-708	-48	1254	9.6[2]	0.012								
	-709	-49	953	9.3[2]	0.018								
	-710	-50	1382	7.1[2]	0.022		0.02	0.019	0.016	18.1	0.7	14.0	2.44
	-711	-51	1266	9.2[2]	0.019		0.02	0.017	0.016	15.7	<0.1	14.5	2.49
	-712	-52	1155	8.4[2]	0.046 CI		0.05	0.038	0.029	4.4	<0.1	16.1	2.35
	-713	-53	959	5.6[2]	0.015		0.01	0.011	0.011	4.7	<0.1	16.8	2.34
	-714	-54	1369	10.1[2]	0.009	0.009	<0.01	0.009	0.010	2.8	0.6	17.0	2.38
	-715	-55	1127	16.0[2]	0.010		0.01	0.008	0.006	1.8	0.4	16.1	2.35
	-716	-56	1161	12.0[2]	0.011		0.01	0.011	0.011	2.5	0.2	15.7	2.44
	-717	-57	879	21.9[2]	0.009		0.01	0.014	0.014	3.8	<0.1	17.3	2.46
	-718	-58	1098	20.8[2]	0.049 CI		0.05	0.030	0.019	5.0	<0.1	16.7	2.53
	-719	-59	1259	10.1[2]	0.015		0.01	0.017	0.018	5.2	<0.1	13.8	2.58
	-720	-60	1073	12.3[2]	0.014		0.01	0.011	0.010	0.3	0.4	16.6	2.63
	-721	-61	971	11.2	0.008								
	-722	-62	1206	12.1	0.008								
	-723	-63	1079	7.5	0.005								
	-724	-64	1503	2.4	0.005								
	-725	-65	1203	5.8	0.007								
	-726	-66	1076	9.5	0.011	0.011							
	-727	-67	1270	10.7	0.010								
	-728	-68	1020	12.8	0.026								
	-729	-69	1144	15.1	0.020								
	-730	-70	976	15.1	0.011								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/ Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
171-C	730 -731	14661-71	1207	8.0	0.003								
	-732	-72	1536	5.7	0.003								
	-733	-73	1242	13.0	0.005								
	-734	-74	1415	12.0	0.004								
	-735	-75	1193	14.6	0.007								
	-736	-76	979	18.7	0.031 CI		0.02	0.012	0.009	0.1	12.5	16.3	2.28
	-737	-77	1100	17.0	0.018								
	-738	-78	1207	12.1	0.003	0.003							
	-739	-79	1257	13.1	0.001								
	-740	-80	881	18.0	0.002								
	740 -740'6"	-81	432	16.3	0.001								

End of 171-C

4603 - Date Creek

DC Hole	Footage	HRI No.	Dry 1/ Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
175-C	555 -556	14678-1	520	13.9	0.006	0.005							
	-557	-2	667	15.0	0.004								
	-558	-3	786	13.2	0.004								
	-559	-4	1127	14.8	0.006								
	-560	-5	1026	16.1	0.037 CI		0.05	0.028	0.016	3.8	1.5	16.3	2.47
	-561	-6	909	17.8	0.008								
	-562	-7	1193	12.4	0.005								
	-563	-8	912	12.2	0.004								
	-564	-9	782	21.2	0.007								
	-565	-10	651	25.5	0.018	0.020							
	-566	-11	553	19.6	0.018								
	-567	-12	605	24.5	0.026								
	-568	-13	829	13.0	0.011								
	-569	-14	1060	6.0	0.002								
	-570	-15	1264	12.7	0.001								
	-571	-16	764	16.7	0.002								
	-572	-17	1018	16.0	0.001								
	-573	-18	1005	18.1	<0.001								
	-574	-19	994	18.1	0.001								
	-575	-20	803	16.4	0.002	0.003							
	-576	-21	818	19.5	0.012								
	-577	-22	1047	9.2	0.007								
	-578	-23	1016	14.3	0.003								
	-579	-24	781	17.7	0.004								
	-580	-25	654	16.4	0.011		<0.01	0.005	0.006	28.5	4.1	19.8	2.41
							0.01	0.010	0.010	24.6	10.9	15.8	2.21
	-581	-26	491	20.9	0.054 CI								
	-582	-27	1176	8.6	0.021		0.07	0.042	0.026	2.6	8.7	21.1	2.36
	-583	-28	739	8.9	0.085 CI		0.02	0.038	0.046	21.6	0.6	15.5	2.66
	-584	-29	685	4.5	0.018		0.09	0.067	0.054	9.7	1.2	13.0	2.45
591	-592	-30	855	17.2	0.006	0.005	0.03	0.025	0.027	6.1	0.5	14.8	2.41
	-593	-31	943	18.1	0.004								
	-594	-32	984	16.3	0.004								
	-595	-33	1276	8.5	0.002								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
175-C	595 -596	14678 -34	1182	10.5	0.001								
	-597	-35	1089	10.6	0.001								
	-598	-36	1133	12.4	0.001								
	-599	-37	697	14.2	0.001								
	-600	-38	822	14.0	0.002								
	-601	-39	616	16.0	0.001								
	-602	-40	899	9.6	0.008	0.007	0.01	0.011	0.010	12.8	2.7	15.9	2.62
	-603	-41	1026	9.6	0.016		0.01	0.024	0.032	20.0	0.4	14.6	2.67
	-604	-42	602	12.9	0.099 CI		0.09	0.062	0.044	19.5	<0.1	17.0	2.44
	-605	-43	1030	14.9	0.033 CI		0.04	0.028	0.022	6.8	<0.1	15.6	2.69
	-606	-44	834	19.4	0.026 CI		0.03	0.017	0.011	4.0	1.0	15.3	2.55
	-607	-45	826	16.5	0.009		0.02	0.010	0.006	2.7	0.3	17.0	2.47
	-608	-46	903	16.9	0.004								
	-609	-47	909	12.6	0.003								
	-610	-48	913	17.4	0.002								
	-611	-49	979	13.1	0.002								
	-612	-50	907	15.8	0.002	0.002							
	-613	-51	914	16.2	0.002								
	-614	-52	493	14.4	0.002								
	-615	-53	488	13.4	0.001								
	5/	-54	878	15.2	0.001								
	5/	-55	950	13.6	0.001								
	5/	-56	941	15.4	0.001								
	5/	-57	645	12.6	0.001								
	5/	-58	1012	11.0	0.001								

End of 175-C

5/ Numbers 54-58 came from 615-630'. Very poor recovery. Only 5' of material in this box and samples taken in order, top to bottom, but no footages available.

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
177-C	540 -541	14679 -1	1084	14.8[2]	0.018	0.020	0.03	0.028	0.025	10.4	5.2	15.0	2.61
	-542	-2	1095	13.5[2]	0.023		0.03	0.028	0.021	6.8	5.5	16.4	2.61
	-543	-3	1127	14.0[2]	0.044 CI		0.06	0.052	0.042	23.5	2.2	16.5	2.65
	-544	-4	1188	12.7[2]	0.022		0.03	0.027	0.022	10.6	5.1	14.9	2.62
	-545	-5	1213	13.6[2]	0.017		0.02	0.023	0.024	29.6	<0.1	15.6	2.54
	-546	-6	1229	12.9[2]	0.012								
	-547	-7	1150	15.6[2]	0.015								
	-548	-8	1378	14.8[2]	0.013								
	-549	-9	1322	11.3	0.028								
	-550	-10	1085	14.2	0.016	0.016							
	-551	-11	1085	16.0	0.028								
	-552	-12	903	16.0	0.010								
	-553	-13	1237	15.3	0.014								
	-554	-14	1359	11.6	0.010								
	-555	-15	967	11.0	0.009								
	-556	-16	901	13.2	0.008								
	-557	-17	1182	13.0	0.006								
	-558	-18	989	8.1	0.014								
	-559	-19	1109	13.0	0.007								
	-560	-20	1177	10.4	0.007	0.006							
	-561	-21	1017	10.0	0.022								
	-562	-22	1273	7.6	0.020								
	-563	-23	1043	10.3	0.006								
	-564	-24	1087	13.5	0.004								
	-565	-25	1145	11.9	0.003								
	-566	-26	1055	9.2	0.003								
	-567	-27	1098	15.2	0.004								
	-568	-28	1053	7.6	0.015								
	-569	-29	1226	8.5	0.007								
	-570	-30	563	8.7	0.010	0.008							
	-571	-31	1360	9.9	0.004								
	-572	-32	710	7.0	0.007								
	-573	-33	829	10.0	0.004								
	-574	-34	917	15.6	0.004								
	-575	-35	897	16.1	0.006		0.01	0.011	0.010	0.6	0.5	18.2	2.37

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
177-C	575 -576	14679-36	1241	15.0	0.009		0.02	0.017	0.012	2.5	0.2	16.1	2.53
	-577	-37	1142	14.9	0.040 CI		0.05	0.044	0.035	14.1	<0.1	17.3	2.48
	-578	-38	1068	14.4	0.040 CI		0.05	0.044	0.036	13.6	<0.1	17.4	2.56
	-579	-39	900	14.5	0.009		0.02	0.017	0.018	7.1	<0.1	18.2	2.56
	583 -584	-40	1130	17.7	0.006	0.006							
	-585	-41	1320	15.4	0.007								
	-586	-42	1357	13.7[2]	0.007								
	-587	-43	853	18.2[2]	0.007		0.01	0.014	0.020	2.6	<0.1	16.2	2.64
	-588	-44	1012	17.6[2]	0.010		0.02	0.018	0.016	0.4	1.0	16.3	2.51
	-589	-45	1002	18.3[2]	0.113 CI		0.12	0.078	0.035	0.8	1.1	16.4	2.53
	-590	-46	1219	17.9[2]	0.010		0.02	0.016	0.013	3.1	<0.1	16.4	2.60
	-591	-47	912	19.1[2]	0.006		0.02	0.012	0.006	0.4	0.3	16.4	2.59
	-592	-48	938	30.0[2]	0.007								
	-593	-49	1231	7.1[2]	0.003								
	-594	-50	1118	12.6[2]	0.003	0.004							
	-595	-51	1130	17.5[2]	0.004								
	-596	-52	1252	16.5[2]	0.008								
	-597	-53	1275	15.6[2]	0.006								
	-598	-54	1081	16.3[2]	0.005								
	-599	-55	896	18.0[2]	0.005								
	-600	-56	963	16.6[2]	0.004								
	-601	-57	1254	14.4[2]	0.005								
	-602	-58	1128	15.9	0.006								
	-603	-59	920	12.3	0.005								
	-604	-60	1093	16.6	0.011	<0.001							
	-605	-61	803	21.5	0.013								
	-606	-62	1266	14.5	0.008								
	-607	-63	939	14.5	0.033 CI		0.04	0.037	0.031	12.8	1.4	17.6	2.56
	-608	-64	1181	12.5	0.016								
	-609	-65	1138	12.9	0.012								
	-610	-66	1067	14.7	0.009								
	-611	-67	949	13.9	0.004								
	-612	-68	1094	12.8	0.002								
	-613	-69	1123	11.9	0.001								
	-614	-70	1096	12.0	<0.001	0.011							
	-615	-71	1090	13.5	<0.001								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	U_3O_8, % Check Fluorimetric	U_3O_8, % Beta/ Gamma	U_3O_8, % Beta Equiv	U_3O_8, % Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
177-C	615 -616	14679 -72	1079	13.6	<0.001								
	-617	-73	1132	12.4	<0.001								
	-618	-74	1133	16.2	0.001								
	-619	-75	985	18.6	0.003								
	-620	-76	813	22.2	0.026								
	-621	-77	837	19.0	0.008								
	-622	-78	1135	15.4	0.002								
	-623	-79	1326	11.3	0.003								
	-624	-80	1260	10.4	0.004	0.004							
	-625	-81	978	15.4	0.004								
	-626	-82	1124	14.1	0.004								
	-627	-83	1083	10.6	0.010								
	-628	-84	1166	9.7	0.006								
	-629	-85	1034	5.4	0.006								
	-630	-86	1332	7.9	0.005								
	-631	-87	1080	4.8	0.010								
	-632	-88	1299	4.7	0.007								
	-633	-89	1079	7.7	0.009								
	-634	-90	1115	15.1	0.010	0.010	0.02	0.017	0.013	0.3	0.4	18.0	2.32
	-635	-91	793	20.6	0.014		0.03	0.023	0.018	0.6	<0.1	18.1	2.39
	-636	-92	1052	20.2	0.051 CI		0.07	0.052	0.039	0.1	0.2	18.5	2.41
	-637	-93	1172	8.6	0.016		0.02	0.025	0.029	0.1	0.1	13.1	2.64
	-638	-94	1047	10.1	0.014		0.03	0.021	0.014	0.1	<0.1	14.8	2.38
	-639	-95	1240	13.6	0.012								
	-640	-96	1001	13.9	0.006								
	-641	-97	1104	14.1	0.008								
	-642	-98	979	14.9	0.017								
	-643	-99	1127	14.6	0.005								
	-644	-100	1032	15.1	0.003								
	-645	-101	953	14.7	0.002								
	-646	-102	1101	15.4	0.002								
	-647	-103	1034	15.1	0.002								
	-648	-104	1084	16.3	0.002								
	-649	-105	941	15.1	0.002								
	-650	-106	1000	15.0	0.002								

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
177-C	650 -651	14679 -107	903	14.2	0.003								
	-652	-108	989	16.5	0.002								
	-653	-109	694	17.3	0.002								
	-654	-110	1075	15.5	0.002	0.002							
	-655	-111	993	16.4	0.001								
	-656	-112	1118	17.8	0.001								
	-657	-113	880	14.3	0.001								
	-658	-114	981	15.6	<0.001								
	-659	-115	951	16.6	<0.001								
	-660	-116	878	13.7	<0.001								
	-661	-117	1005	15.1	<0.001								
	-662	-118	961	16.3	0.001								
	-663	-119	950	16.0	<0.001								
	-664	-120	1037	15.9	<0.001	<0.001							
	-665	-121	1042	15.8	<0.001								
	-666	-122	858	16.7	<0.001								
	-667	-123	838	17.6	<0.001								
	-668	-124	488	16.7	<0.001								

End of 177-C

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
176-C	530 -531	14783 -1	1160	12.5	0.002								
	-532	-2	1153	10.2	0.002								
	-533	-3	993	13.7	0.002								
	-534	-4	1477	3.7	0.009								
	-535	-5	1112	3.8	0.010								
	-536	-6	875	6.1	0.005								
	-537	-7	1045	8.9	0.004								
	-538	-8	1037	10.2	0.004								
	-539	-9	976	19.7	0.002								
	-540	-10	1044	15.2	0.004								
	-541	-11	1150	5.5	0.017								
	-542	-12	990	9.0	0.005								
	-543	-13	953	18.3	0.002								
	-544	-14	1017	13.1	0.005								
	-545	-15	934	18.0	0.002								
	-546	-16	1326	9.7	0.002								
	-547	-17	1219	11.7	0.002								
	-548	-18	1161	11.8	0.004								
	-549	-19	1355	4.8	0.010								
	-550	-20	1094	7.4	0.014								
	-551	-21	1158	5.2	0.015								
	-552	-22	1096	6.5	0.006								
	-553	-23	1095	8.9[2]	0.007								
	-554	-24	1224	8.5[2]	0.007								
	-555	-25	1220	6.8[2]	0.010								
	-556	-26	886	16.4[2]	0.006		<0.01	0.007	0.006	3.4	0.7	16.5	2.48
	-557	-27	1237	9.0[2]	0.012		0.02	0.012	0.009	7.6	<0.1	15.0	2.42
	-558	-28	1256	11.8[2]	0.210 CI	0.200	0.19	0.167	0.152	12.1	1.5	17.5	2.51
	-559	-29	1245	8.5[2]	0.012		<0.01	0.010	0.012	28.5	<0.1	15.6	2.46
	-560	-30	1176	12.9[2]	0.006		<0.01	0.007	0.009	14.9	1.5	13.6	2.72
	-561	-31	1292	6.7[2]	0.009								
	-562	-32	1176	8.9	0.013								
	-563	-33	814	18.2	0.014								
	-564	-34	1193	10.6	0.003								
	-565	-35	1223	6.9	0.004								

DC Hole	Footage	HRI No.	Dry 1/ Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
176-C	565 -566	14783 -36	1077	6.7	0.005								
	-567	-37	1068	13.5	0.006								
	-568	-38	1080	18.0	0.002								
	-569	-39	847	14.7	0.005		<0.01	0.010	0.010	1.0	0.1	16.5	2.70
	-570	-40	684	13.7	0.105 CI		0.01	0.021	0.016	2.8	0.1	15.7	2.65
	-571	-41	910	16.2	0.012 CI		0.12	0.098	0.085	1.6	0.3	17.0	1/
	-572	-42	927	14.9	0.240 CI	0.210	0.03	0.038	0.042	1.4	0.1	14.6	2.43
	-573	-43	969	16.3	0.012		0.20	0.120	0.072	2.1	0.4	18.0	2.66
	-574	-44	863	18.8	0.006		0.03	0.026	0.026	1.6	0.1	15.0	2.64
	-575	-45	1005	17.8	0.005		0.02	0.018	0.017	3.9	0.1	15.9	2.60
	-576	-46	954	13.5	0.003								
	-577	-47	1101	14.6	0.006								
	-578	-48	1012	17.3	0.009								
	-579	-49	1012	15.3	0.004								
	-580	-50	917	11.9	0.002								
	-581	-51	814	22.9	0.023								
	-582	-52	755	18.5	0.014								
	-583	-53	591	22.9	0.023								
	-584	-54	823	22.6	0.017								
	-585	-55	758	23.1	0.031 CI		0.04	0.030	0.023	1.5	16.5	21.2	2.10
	-586	-56	1129	7.2	0.005								
	-587	-57	998	14.9	0.002								
	-588	-58	912	20.3	0.002								
	-589	-59	831	18.0	0.002								
	-590	-60	975	14.4	0.001								
	-591	-61	955	15.1	0.001								
	-592	-62	1027	17.4	0.004								
	-593	-63	991	18.5	0.003		<0.01	0.005	0.004	14.8	<0.1	18.0	2.61
	-594	-64	1162	10.0	0.004		<0.01	0.005	0.005	17.6	<0.1	15.9	2.50
	-595	-65	710	22.3	0.033 CI		0.04	0.024	0.015	12.3	10.5	17.9	2.37
	-596	-66	840	17.7	0.019 CI		0.03	0.019	0.010	0.3	15.0	19.3	2.11
	-597	-67	593	22.9	0.035 CI		0.04	0.028	0.021	3.3	3.7	22.2	2.41
	-598	-68	866	16.8	0.019		0.02	0.018	0.016	24.1	<0.1	17.1	2.65
	-599	-69	1233	7.8	0.005		<0.01	0.006	0.004	15.3	0.8	14.4	2.62
	-600	-70	1139	16.1	0.004								

1/ Insufficient sample.

DC Hole	Footage	HRI No.	Dry[1] Grams	H_2O	U_3O_8, % Fluorimetric	Check Fluorimetric	Beta/ Gamma	Beta Equiv	Gamma Equiv	CO_2 %	C Organic %	Ft^3/ton Density	Sp. Gr.
176-C	600 -601	14783 -71	938	18.2	0.004								
	-602	-72	1050	17.9	0.004								
	-603	-73	965	18.8	0.006								
	-604	-74	948	18.6	0.005								
	-605	-75	893	17.8	0.004								
	-606	-76	892	20.2	0.004								
	-607	-77	1089	14.9	0.005								
	-608	-78	1069	15.2	0.006								
	-609	-79	1084	14.5	0.010								
End of 176-C	-610	-80	1478	17.2	0.033 CI		0.04	0.027	0.018	9.1	9.1	16.4	2.15

Uranium Analyses of Core Number: DC-28-C
HRI No. 13455-1 through 25

HRI Sub No.	Interval ft	% U_3O_8 Fluorimetric	% U_3O_8 Beta-Gamma	% U_3O_8 Beta-Equiv.	% U_3O_8 Gamma Equiv.	% U_3O_8 Sealed Gamma Equiv.	% Radon Loss	% CO_2	% Organic	% Moisture	Specific Gravity	Density ft^3/ton
1	470-471	0.002						19.2	0.20			
2	471-472	0.001						0.25	0.10			
3	472-473	0.001						24.9	0.03			
4	473-474	0.002						12.6	0.58			
5	474-475	<0.001						5.89	0.12			
6	475-476	<0.001						0.30	0.08			
7	476-477	<0.001						0.05	0.04			
8	477-478	0.002						3.82	0.03			
9	478-479	0.001						1.52	0			
10	479-480	0.006						0.36	0			
11	480-481	<0.001						0.09	0.05			
12	481-482	<0.001						0.30	0.04			
13	482-483	<0.001						0.50	0.06			
14	483-484	<0.001						1.09	0.23			
15	484-485	<0.001						3.53	0.02			
16	485-486	0.001						8.80	0.28			
17	486-487	0.004	<0.01	0.008	0.009	0.009	0	10.7	0.03	6.0	1.87	17.1
18	487-488	0.003						6.09	0.03			
19	488-489	0.004	<0.01	0.005	0.005	0.013	62	5.39	0.06	8.6	-1.89	16.9
20	489-490	0.007	<0.01	0.013	0.019	0.027	30	7.30	0.06	13.5	1.87	17.1
21	490-491	0.138	0.17	0.133	0.114	0.122	7	12.1	0.13	4.2	2.16	14.8
22	491-492	0.380	0.52	0.330	0.226	0.240	6	6.19	0.23	15.6	1.82	17.5
23	492-493	0.024	0.05	0.042	0.038	0.049	22	0.13	0.06	7.1	1.76	18.1
24	493-494	0.014	0.02	0.013	0.010	0.018	44	0.08	0.16	14.5	1.67	19.1
25	494-495	0.014	0.02	0.009	0.006	0.013	54	0.05	0.35	10.1	1.71	18.8

hri

Uranium Analyses of Core Number: DC-28-C
HRI No. 13455-26 through 50

HRI Sub No.	Interval ft	% U_3O_8 Fluori-metric	Beta-Gamma	Beta-Equiv.	Gamma Equiv.	Sealed Gamma Equiv.	% Radon Loss	% CO_2	% Organic	% Moisture	Specific Gravity	Density ft^3/ton
26	495-496	0.009	0.01	0.007	0.004	0.011	64	0.05	0.39	13.0	1.68	19.1
27	496-497	0.012	0.01	0.011	0.012	0.018	33	0.06	0.70	6.8	1.65	19.4
28	497-498	0.045	0.05	0.039	0.032	0.036	11	0.06	9.01	14.6	1.55	20.7
29	498-499	0.005	<0.01	0.005	0.005	0.009	44	0.05	0.64	6.7	1.97	16.2
30	499-500	0.007							0.39			
31	500-501	0.005	<0.01	0.005	0.009	0.009	0	4.29	0.39			
32	501-502	0.004						1.01	0.31			
33	502-503	0.012						0.08	0.14			
34	503-504	0.016						5.91	0.22			
35	504-505	0.012						4.10	0.54			
36	505-506	0.013						2.15	0.47			
37	506-507	0.010						1.65	0.26			
38	507-508	0.019						6.01	0.27			
39	508-509	0.047						28.1	1.02			
40	509-510	0.011						2.71	1.83			
41	510-511	0.010						1.49	0.73			
42	511-512	0.010						1.24	0.62			
43	512-513	0.008						11.9	0.72			
44	513-514	0.008						0.11	0.38			
45	514-515	0.008	<0.01	0.009	0.009	0.009	0	0.09	0.19			
46	515-516	0.012						0.10	0.39			
47	516-516.4	0.012	<0.01	0.011	0.012	0.018	33	0.07	2.70	8.2	1.75	18.3
48	516.4-517.4	0.014	0.02	0.012	0.009	0.013	31	0.05	0.43	6.2	1.87	17.1
49	517.4-518.4	0.023	0.02	0.018	0.018	0.024	25	0.03	3.12	9.0	1.73	18.5
50	518.4-519.4	0.082	0.07	0.047	0.033	0.037	11	0.03	12.09	9.7	1.64	19.5

hri

Uranium Analyses of Core Number: DC-28-C
HRI No. 13455-51 through 63

HRI Sub No.	Interval ft	% U_3O_8 Fluori-metric	Beta-Gamma	Beta-Equiv.	Gamma Equiv.	Sealed Gamma Equiv.	% Radon Loss	% CO_2	% Organic	% Moisture	Specific Gravity	Density ft^3/ton
51	519.4-520.4	0.013						0.06	0.75	15.5	1.72	18.7
52	520.4-521.4	0.008						0.02	0.21			
53	521.4-522.4	0.005	<0.01	0.009	0.012	0.012	0	0.74	0.11			
54	522.4-523.4	0.006						0.75	0.22			
55	523.4-524.4	0.006						0.75	0.10			
56	524.4-525.4	0.006						0.73	0.07			
57	525.4-526.4	0.008						1.35	0.37			
58	526.4-527.4	0.007						1.52	0			
59	527.4-528.4	0.012						5.40	0.14			
60	528.4-529.4	0.011						9.65	0.13			
61	529.4-530.4	0.013						14.3	0.13			
62	530.4-531.4	0.007						12.1	0.18			
63	531.4-532.4	0.005						0.40	0.49			

hri

Memorandum
Union Oil Company of California
union 76

MEMO TO: G.C. Dohm
FROM: R.F. Lucht

DATE: June 28, 1977
SUBJECT: Anderson Equilibrium

The attached tables are a summary of all equilibrium data on the Anderson Project. As you can see, Hazen is very consistant on both cuttings work and core data. Their work averages 1.08 for 424 net samples. Chemical Geological averaged .81 for 335 net samples. The difference observed between the first 12 pages of five foot cuttings data and the last 24 pages of five foot data can be explained because these groupings are not statistically significant by themselves.

Any bias present in the Hazen data caused by the sampling technique must be insignificant. The 50 high δ samples sent in have been included. Inclusion of this data changed the Hazen average from 1.10 to 1.07. The cuttings data is unbiased and it agrees at 1.09.

The 21 samples submitted to Hazen from the pulps done by Chemical Geological indicate wide divergence between the labs. Like you, I am of the opinion that Hazen is probably the more accurate lab. Hazen has done a number of checks and they were always able to verify reported data. These 21 samples will be submitted to another lab for comparison.

At this time, 1.00 seems a reasonable number to apply to reserves for equilibrium. If the conflict between labs can be settled, it may be possible to apply a factor of 1.08 (if Hazen is upheld).

RFL/pb
Attachment

SUMMARY OF EQUILIBRIUM DATA BY LABORATORY

Grade	Laboratory	Source Sample	Number Samples	Total Equilibrium	Average Equilibrium
.015 - .030	Chem. Geo.	Core	149	109.04	.73
	Hazen	Core	115	122.44	1.07
	Hazen	Cuttings	153	163.89	1.08
	All Labs	All Samples	417	395.37	.95
.030 - .050	Chem. Geo.	Core	77	64.67	.84
	Hazen	Core	59	58.51	1.00
	Hazen	Cuttings	38	42.07	1.11
	All Labs	All Samples	174	165.25	.95
.050 - .090	Chem. Geo.	Core	56	44.43	.79
	Hazen	Core	20	23.59	1.18
	Hazen	Cuttings	10	11.66	1.16
	All Labs	All Samples	86	79.68	.93
.090→	Chem. Geo.	Core	53	50.91	.96
	Hazen	Core	25	28.58	1.14
	Hazen	Cuttings	4	4.48	1.12
	All Labs	All Samples	82	83.97	1.03
All Grades	Hazen	All Samples	424	455.22	1.08
	Chem. Geo.	All Samples	335	269.05	.81
	All Labs	All Samples	759	724.27	.96

Hole #	Depth	Chem. Geo. U_3O_8	Chem. Geo. eU_3O_8	Minerals B-& **	Hazen Research, Inc. U_3O_8	Hazen Research, Inc. eU_3O_8	Hazen Research, Inc. B-	Chem. Geo. Equilibrium Factor	Hazen Equilibrium Factor
AM 7C	96-97	< .001	.024	-	.006	.011	.01	.04	.54
AM 7C	98-99	.016	.034	.01	.014	.034	.03	.47	.41
AM 13C	123-124	.008	.023	-	.011	.014	.01	.34	.79
AM 18C	296.1-297.1	.103	.147	-	.110	.098	.14	.70	1.12
AM 26C	637-638	.017	.057	-	.017	.061	.01	.29	.27
AM 49C	631-633	.016	.054	-	.011	.049	.02	.30	.22
AM 51C	400-401	.008	.036	.006	.012	.024	.02	.22	.50
AM 51C	406-407	.011	.030	.024	.021	.028	.03	.37	.75
AM 51C*	407-408	.152	.062	.162	.119	.057	.15	2.45	2.09
AM 51C	408-409	.001	.036	.011	.008	.031	.01	.03	.26
AM 51C	441-442	.063	.116	.061	.101	.116	.12	.54	.87
AM 51C	445-446	.075	.096	.147	.070	.055	.09	.78	1.27
AM 51C	446-447	.111	.019	.041	.077	.065	.09	5.84	1.18
AM 79C	41-42	.024	.011	.007	.007	.009	.01	2.18	.77
AM 113C	301-302	.030	.055	-	.027	.053	.04	.55	.51
AM 119C	113.5-114	.044	.135	.028	.037	.133	.05	.33	.28
AM 135C	385-386	.043	.065	.024	.031	.047	.05	.66	.66
AM 135C	387-388	.025	.061	.030	.021	.045	.04	.41	.46
AM 135C	458-459	.010	.054	.010	.009	.025	.01	.19	.36
AM 135C	473-474	.273	.626	.190	.242	.616	.32	.44	.39
AM 149C	392-393	.016	.045	.017	.025	.035	.03	.36	.71

* Chemical Geological did chemical twice: .057% + .152%

** Missing Values due to poor quality copy.

Points of poor agreement between old and new data.

Memorandum
Union Oil Company of California
union 76

MEMO TO: G.C. Dohm, Jr. DATE: February 9, 1978

FROM: R.F. Lucht SUBJECT: Anderson Equilibrium Preliminary

Numbers are in using a polygon model for determining pounds U_3O_8 by assay data and gamma log data. Maps have been made at .03% and .05% cutoffs. The area south of the red dashed line on the .05% cutoff could probably be averaged to yield one number. I am not certain whether this is the best way or not. Holes 51C, 396C and 412C can be averaged for another area. The "west pit" area can be averaged and the area hashered on the .03% map can be averaged. Areas not in any of the above are mostly in the tailings dam. They are very variable and present a problem.

A comparison of the two maps shows that, while individual holes become grade dependent (using this method), the overall map does not change much. The "west pit" seems to be an exception, possibly a .05 cutoff with a higher equilibrium factor would be more appropriate over there. The fact that the data is not overall grade dependent lends support to the validity of the numbers.

RFL/p

Attachments

Cutoff .03%

Hole #	# Pounds U_3O_8 By Gamma	# Pounds U_3O_8 By Chemical	Equilibrium Factor
AM 1C	145,681	174,606	1.198
AM 2C	329,481	271,563	.824
AM 7C	282,302	308,112	1.091
AM 10C	247,583	270,369	1.092
AM 13C	73,693	19,031	.258
AM 16C	453,341	355,937	.785
AM 17C	188,665	145,808	.773
AM 18C	153,936	174,014	1.131
AM 22C	128,415	104,221	.811
AM 26C	424,253	519,131	1.224
AM 28C	30,987	45,072	1.454
AM 40C	78,613	24,803	.315
AM 49C	682,340	540,506	.792
AM 51C	1,016,323	1,037,427	1.021
AM 63C	302,900	317,449	1.048
AM 68C	340,524	281,227	.826
AM 71C	283,359	233,810	.826
AM 79C	34,474	29,429	.854
AM 88C	-	-	-
AM 106C	179,516	134,036	.747
AM 107C	108,837	121,571	1.117
AM 113C	133,282	97,756	.733
AM 119C	182,778	222,618	1.218
AM 127C	54,494**	8,278**	.152
AM 129C	343,150	320,183	.933
AM 135C	471,548	313,907	.666
AM 136C	546,590	431,799	.790
AM 149C	171,355	113,227	.661
AM 152C1	171,942	19,349	.113
AM 156C	399,406	290,712	.728
AM 171C	178,195	172,372	.967
AM 184C	-	-	-
AM 222C	254,583	199,538	.784
AM 229C	237,316**	318,123**	1.341
AM 244C	32,161*	17,657*	.549
AM 254C	296,555**	29,554**	.0997
AM 258C	169,046	133,700	.791
AM 273C	85,131	107,707	1.265
AM 274C	125,370	20,680	.165
AM 275C	299,377	409,103	1.367

Hole #	# Pounds U_3O_8 By Gamma	# Pounds U_3O_8 By Chemical	Equilibrium Factor
AM 281C	215,294	84,959	.395
AM 286C	117,407	93,096	.793
AM 289C	183,710	132,948	.724
AM 308C	35,640	15,888	.446
AM 323C	351,434	311,598	.887
AM 325C	827,827	1,049,629	1.267
AM 336C	140,085	42,885	.299
AM 337C	29,074	21,032	.723
AM 338C	118,557	83,642	.705
AM 338C1	-	-	-
AM 345C	255,650	409,468	1.602
AM 351C	103,369	85,157	.824
AM 371C	729,943	582,399	.798
AM 373C	61,153	57,787	.945
AM 384C	179,654	224,567	1.250
AM 388C	351,933	386,320	1.098
AM 390C	69,524	18,356	.264
AM 396C	309,071	584,672	1.892
AM 412C	443,690	573,999	1.294
AM 419C	605,604	497,696	.822
AM 422C	251,007*	423,095*	1.686
AM 427C	750,239	546,949	.729
AM 431C	-	-	-
AM 434C	29,084	41,281	1.419
AM 435C	124,755	133,914	1.074
AM 436C	80,725	48,650	.603
AM 443C	294,814	272,513	.924
AM 444C	-	-	-
AM 486C	-	-	-

* No reserves at .03% cutoff, used reserves at .02% cutoff.
** Used at .01% cutoff.

Cutoff .05%

Hole #	# Pounds U_3O_8 By Gamma	# Pounds U_3O_8 By Chemical	Equilibrium Factor
AM 1C	110,211	140,191	1.272
AM 2C	317,705	240,322	.756
AM 7C	215,625	283,915	1.317
AM 10C	216,975	259,826	1.197
AM 13C	61,141	-	-
AM 16C	383,565	282,935	.738
AM 17C	77,795	95,031	1.222
AM 18C	124,451	146,339	1.176
AM 22C	93,519	88,467	.950
AM 26C	334,774	414,611	1.238
AM 28C	-	35,494	-
AM 40C	59,275	24,803	.418
AM 49C	469,588	371,837	.792
AM 51C	822,076	980,352	1.193
AM 63C	279,091	292,318	1.047
AM 68C	-	267,203	-
AM 71C	114,582	149,680	1.306
AM 79C	-	-	-
AM 88C	-	34,635	-
AM 106C	135,480	103,715	.766
AM 107C	82,649	58,863	.712
AM 113C	84,526	82,566	.977
AM 119C	147,500	195,551	1.326
AM 127C	-	-	-
AM 129C	272,673	274,249	1.006
AM 135C	432,138	292,216	.676
AM 136C	520,114	387,198	.744
AM 149C	105,356	64,990	.617
AM 152C1	171,942	-	-
AM 156C	323,205	298,666	.738
AM 171C	32,611	111,226	3.411
AM 184C	200,482	354,493	1.768
AM 222C	202,978	162,841	.802
AM 229C	-	156,510	-
AM 244C	-	-	-
AM 254C	278,212	-	-
AM 258C	111,746	106,038	.949
AM 273C	43,036	73,373	1.705
AM 274C	91,335	-	-
AM 275C	279,509	409,103	1.464

Cutoff .05%

Hole #	# Pounds U_3O_8 By Gamma	# Pounds U_3O_8 By Chamical	Equilibrium Factor
AM 281C	135,162	58,570	.433
AM 286C	71,156	71,452	1.004
AM 289C	110,534	64,386	.583
AM 308C	-	-	-
AM 323C	337,592	311,598	.923
AM 325C	827,827	49,629	.060
AM 336C	121,255	35,021	.289
AM 337C	19,589	11,753	.600
AM 338C	100,565	76,445	.760
AM 338C1	-	-	-
AM 345C	190,135	401,397	2.111
AM 351C	25,596	68,913	2.692
AM 371C	701,173	582,399	.831
AM 373C	49,184	44,322	.901
AM 384C	150,026	202,865	1.352
AM 388C	277,641	323,702	1.166
AM 390C	69,524	18,356	.264
AM 396C	294,609	584,672	1.985
AM 412C	432,004	557,002	1.289
AM 419C	469,618	417,867	.890
AM 422C	60,286	105,774	1.755
AM 427C	551,098	520,673	.945
AM 431C	71,538	90,019	1.258
AM 434C	-	-	-
AM 435C	80,854	82,749	1.023
AM 436C	72,975	42,192	.578
AM 443C	227,466	193,123	.849
AM 444C	232,351	421,912	1.816
AM 486C	209,294	348,823	1.667

ANDERSON
TOTAL RESOURCE

15, 055 885 # U_3O_8 CHEM
16 296 745 # U_3O_8 δ

.924

.03 CUTOFF

Memorandum
Union Oil Company of California
union 76

MEMO TO: C.Z. Hill

DATE: February 16, 1978

FROM: R.F. Lucht

SUBJECT: Correlation of Equilibrium Factors to Other Parameters at the Anderson Mine

The following observations have been made by me on this date. They are not meant to be totally complete or even totally accurate. They seem to exist to me. Look them over and comment. Maybe you can see additional correlations or reasons for these.

RFL/p
Attachments

CORRELATION OF EQUILIBRIUM FACTORS TO OTHER PARAMETERS AT THE ANDERSON MINE

1. Thick basalt caps seem to correlate to small relative lows in equilibrium, i.e. AM-156C, AM-43, AM-419C, AM-135, AM-374 and AM-417.

2. Major fault in east side of property correlates very roughly to lows in equilibrium. AM-351C, AM-427C and AM-106C support this, but AM-107C, AM-119C and AM-275C do not. AM-119C is located near where fault dies out. AM-107 is a local high, possibly water movement along fault left some uranium enriched and some depleted.

3. Major lows in equilibrium are located along outcrop line. (AM-152C, AM-390C, AM-308C, AM-40C, AM-274C, AM-254C, AM-13C and AM-244C, etc.) There are exceptions along faults (local highs near outcrop near faults), AM-396C and AM-275C.

4. Total thickness of carbonaceous siltstone does not correlate to equilibrium in general. However, outside the 0' countour on the isopach is an area of very low equilibrium, except AM-229C and core holes west of 83,500 East.

5. No correlation between thickness of overburden and equilibrium. Some of the highest equilibrium factors are in shallow ore and some of lowest equilibrium factors are deeply buried.

6. Local elevation highs on top of ore correspond to local relative highs in equilibrium factors, i.e. AM-28C, AM-289C, AM-229C, AM-351C AM-71C, AM-184C and AM-431C.

7. A relative high on grade thickness in the west central part of the property correlates to a low in equilibrium. A high in GT in the east central part correlates to a strong low in equilibrium at AM-336C. This same high also covers a low at AM-351C.

RFL/p

c: GCD, file

APPENDIX V

PRELIMINARY DISEQUILIBRIUM STUDY FOR THE ANDERSON MINE

SEPTEMBER, 1976

By

T. S. Hellinger

Plates prepared by

J. R. Ljung

T. S. Hellinger

INTRODUCTION

The coring program at the Anderson Mine was initiated to resolve the relationship between the recorded subsurface gamma ray mineralization (eU_3O_8) and the actual chemical uranium content (cU_3O_8). Core hole locations were chosen from pre-existing drill holes which exhibited favorable gamma mineralization. These drill holes were offset approximately five feet and the anomalous zones were cored. To date, 15 core holes have been completed, with 14 core holes containing significant equivalent (eU_3O_8) and chemical (cU_3O_8) uranium mineralization.

Two Reid Drilling Company and one Universal Drilling Company rotary rigs were contracted to pull 925 feet of core, of which 94-95% was recovered. Various size core bits and core barrels were tried with the best recovery attained by Russel Sharpe of Reid Drilling Company using a three inch diameter core barrel set up. The core from each core run (usually ten feet) was carefully measured, labeled and boxed. The core was next described by a geologist using a 10X to 45X binocular scope, and finally shipped to the Casper office.

Upon receipt of the cores in Casper, they were split longitudinally and half of the core was dried and pulverized. Pulverized core, representing one-half or one foot intervals, was analyzed on the Blake Beta-Gamma scaler. Each interval was analyzed three times and an average was taken. Initially all samples with an average indicated analysis greater than .02% eU_3O_8 were sent to Chemical and Geological Laboratories in Casper for chemical and

closed-can analyses. Subsequently, selected samples with an average beta-gamma analysis less than .02% U_3O_8 were sent out for chemical and closed-can analyses to fill in gaps in the assay intervals and to better delineate the ore zones (Table 1). A total of 448 core samples have been analyzed to date. In addition, 21 previously analyzed core samples, representing various grades of the mineralized lithologic units, were sent to Skyline Labs, Inc. in Wheat Ridge, Colorado for fluorimetric and closed-can uranium, chemical vanadium and spectrographic analyses (Table 4). Spectographic analyses were run to ascertain the presence of any element other than uranium which might constitute ore, or at least require consideration for secondary recovery during milling of the uranium ore (see Summary of Emission Spec. Results). Periodic cross check analyses were run on random samples throughout this study to verify the reproducibility of all the analyses.

DISEQUILIBRIUM AND CHEMICAL ASSAY RESULTS

Before a summary of the chemical analyses could be made and a subsequent disequilibrium factor computed, adjustments had to be made between the core assay footages and the digitized gamma log footage for each core hole. This adjustment was accomplished for each core hole by determining the best correlation between the closed-can gamma uranium assays and the digitized gamma log data. Plates 19 thru 33 graphically depict the relationship between eU_3O_8 and cU_3O_8. Only cored intervals with at least 2 feet of .03% eU_3O_8 from the gamma log, were considered in this disequilibrium study. The intervals in each core hole which met or exceeded

this cutoff have been summarized in Table 2 along with all other analyses of the respective interval. A weighted average for each core was computed for eU_3O_8, cU_3O_8, V_2O_5, CO_2, and total sulfur by dividing the total thickness of all the intervals into the respective total grade thickness (Table 2). Disequilibrium was then computed for each hole by dividing the weighted average cU_3O_8 by the weighted average eU_3O_8.

Two methods were used to determine the uranium disequilibrium for the Anderson Mine property. The first method involved totaling the weighted eU_3O_8 and cU_3O_8 (Table 3), and then dividing the total cU_3O_8 by the total eU_3O_8:

$$\frac{\text{Total wt. } cU_3O_8}{\text{Total wt. } eU_3O_8} = \text{disequilibrium factor } \frac{12.75\ cU_3O_8 \text{ ft.}}{14.12\ eU_3O_8 \text{ ft.}} \doteq .89$$

The first method yielded a disequilibrium factor of .89. The second method simply entailed dividing the total mineralized thickness into the total weighted disequilibrium for all of the core holes:

$$\frac{\text{Total wt. disequilibrium}}{\text{Total thickness}} \doteq \text{diseq. factor } \frac{177.76 \text{ disequilibrium ft.}}{201 \text{ ft.}} = .88$$

This second method produced a disequilibrium factor of 0.88. The vanadium-uranium ratio (V_2O_5:cU_3O_8) of 1.39 was obtained by ratioing the appropriate weighted grade averages (Table 3). Average total CO_2 and sulfur were determined by dividing the total thickness (160 ft.) into the total weighted analyses of each. The average weighted grades for CO_2 and total sulfur were 6.38 wt. % and 0.57 wt. % respectively (Table 3).

SUMMARY OF EMISSION SPECTROGRAPH RESULTS

A rapid spectrographic scan of 21 uraniferous core samples was completed by Skyline Labs, Inc., Wheat Ridge, Colorado. The samples were selected to represent a cross section of the ore grades and mineralized lithologic units, recognized at the Anderson Mine. The spectrographic scan was run primarily for three reasons:

1. Identify elements other than uranium that might warrant consideration for secondary recovery during milling (i.e. V_2O_5).
2. Evaluate the concentration of those elements which might create milling problems (i.e. Mo).
3. Aid in geochemical exploration for similar uranium deposits in the Basin and Range area.

Before detailed evaluation of the data is made it should be pointed out that there were not enough samples analyzed to determine reasonable background values for all lithologic units. Therefore, average background values as tabulated by Turikian and Wedipohl (1961) were used when applicable.

The emission spectrographic scan provided semi-quantitative analysis of 31 elements. Elements which displayed the most interesting anomalies in at least one lithologic unit were: V, Mo, As, Co, Mn, and Sc (Table 4). Vanadium was the most pervasive anomally, present in all the mineralized units. Quantitative analyses (Table 1) indicate a high enough concentration of vanadium to at least warrant consideration for secondary recovery. The next most important anomalous element is molybdenum. Molybdenum was anomalous in seven

samples, with significant concentration (50 ppm to 300 ppm) in three samples (Table 4). The molybdenum appears to represent rare isolated accumulations within the carbonaceous marls. However, because molybdenum can adversely affect milling of the uranium if an acid leach is used, further molybdenum analyses should be initiated to determine the actual concentration and distribution. The remaining elements; As, Cr, Mn, and Sc are of only minor importance as anomalous trace elements. None of these elements are concentrated enough to warrant secondary recovery or pervasive enough to be used as a pathfinder for uranium mineralization in other areas. However, the overall effects of these trace element concentrations with respect to milling is presently unknown. The lithologic unit with the most trace element anomalies is the sandstone (Table 4).

RECOMMENDATIONS

The disequilibrium factor and the weighted grade averages computed from the 14 mineralized cores are good first approximations. However, the rather complex lithology requires a greater detailed and more comprehensive coring program so that a better statistical evaluation for each mineralized unit can be made. Several units were not cored as frequently as they probably should be in the future. Disequilibrium for each mineralized lithologic unit has also not been computed due to the unequal distribution of the lithologic units cored. Our past experience in other areas indicates that the disequilibrium factor will probably improve as more coring is completed. More coring should provide a better statistical

sampling of the area. Presently the disequilibrium factor neglects values with eU_3O_8 below the cutoff which also has correspondingly high cU_3O_8 (Example: Am-17c; 201 ft. - 202 ft., .076% cU_3O_8 vs. .011% eU_3O_8). Ranges of concentration for various elements via emission spectrograph should be determined for each lithologic unit. This may prove to be vital information for mill recovery. More quantitative work should be undertaken to better understand the concentration of at least U_3O_8, V_2O_5, CO_2, and Mo with respect to specific lithologies and areal distribution.

REFERENCES CITED:

Turekian, K. K. and Wedepohl, K. H., 1961, Distribution of the elements in some major units of the Earth's crust: G.S.A. Bull., v. 72, no. 2, pp. 175-191.

AM - 1C
Cored Interval
60'-140'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
60.5-61	0.056	0.071	0.076	-	-	sltstn.
63-64	0.003	0.010	0.034	-	-	"
64.0-64.5	0.008	0.023	0.021	-	-	"
64.5-65	0.021	0.015	0.036	-	-	"
65-65.5	0.029	0.037	0.044	-	-	calc.ls. & sltstns.
65.5-66	0.017	0.013	0.043	-	-	"
66-66.5	0.019	0.024	0.025	-	-	"
66.5-67	0.102	0.109	0.061	-	-	"
67-67.5	0.021	0.018	0.020	-	-	"
67.5-68	0.051	0.043	0.030	-	-	"
68-68.5	0.012	0.021	0.009	-	-	"
68.5-69	0.020	0.025	0.014	-	-	sltstn.
94.5-95	0.004	0.002	0.029	-	-	lignite
95-95.5	0.084	0.084	0.025	-	-	"
95.5-96	0.031	0.118	0.037	-	-	"
96-96.5	0.054	0.077	0.068	-	-	"
96.5-97	0.043	0.022	0.008	-	-	sltstn
97-97.5	0.005	0.011	0.005	-	-	sltstn & mdstn.
97.5-98	0.015	0.056	0.021	-	-	"
98-98.5	0.004	0.011	0.005	-	-	"
98.5-99	0.007	0.014	0.020	-	-	"
99-99.5	0.013	0.054	0.021	-	-	"
99.5-100	0.021	0.075	0.036	-	-	sltstn
100-100.5	0.214	0.170	0.133	-	-	"
100.5-101	0.121	0.121	0.110	-	-	"
101-101.5	0.012	0.038	0.050	-	-	"
101.5-102	0.009	0.015	0.049	-	-	"
103.5-104	0.016	0.030	0.125	-	-	lignit
104-104.5	0.098	0.096	0.168	-	-	"
104.5-105	0.040	0.028	0.023	-	-	

*Closed can gamma only assay for eU_3O_8.

Table 1. Summary of core analyses from the Anderson Mine Property, September, 1976.

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
105-105.5	0.028	0.041	0.062	-	-	lignite
105.5-106	0.051	0.049	0.169	-	-	mdstn & slts
106-106.5	0.015	0.020	0.026	-	-	" "
106.5-107	0.013	0.021	0.020	-	-	" "
109-109.5	0.008	0.025	0.009	-	-	" "
109.5-110	0.037	0.021	0.026	-	-	" "
110-110.5	0.023	0.033	0.025	-	-	" "
110.5-111	0.028	0.026	0.026	-	-	" "
111-111.5	0.048	0.044	0.071	-	-	lignite
111.5-112	0.029	0.036	0.039	-	-	"
112-112.5	0.106	0.113	0.035	-	-	"
112.5-113	0.048	0.110	0.041	-	-	"
113-113.5	0.016	0.021	0.034	-	-	sltstn
113.5-114	0.017	0.021	0.088	-	-	"
114-114.5	0.008	0.067	0.053	-	-	"
114.5-115	0.152	0.100	0.110	-	-	"
115-115.5	0.129	0.117	0.028	-	-	"
115.5-116	0.060	0.078	0.020	-	-	"
116-117	0.002	0.020	0.020	-	-	"

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 7C
Cored Intervals
15'-25'; 95'-118'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
17-18	0.009	0.018	0.128	0.32	0.25	mdstn
18-19	0.179	0.198	0.198	0.06	0.26	"
19-20	0.316	0.321	0.162	0	0.33	mdstn-sltstn
20-21	0.045	0.049	0.111	0	0.30	"
21-22	0.003	0.010	0.052	0.01	0.29	"
95-96	0.017	0.023	0.012	0	0.29	mdstn
96-97	0.001	0.024	0.018	-	-	"
97-98	0.009	0.020	0.018	0	0.31	"
98-99	0.016	0.034	0.015	0	0.30	"
99-100	0.011	0.029	0.012	0	0.26	sltstn
100-101	0.007	0.026	0.011	0	0.19	"
102-103	0.001	0.017	0.030	-	-	"
103-104	0.001	0.015	0.024	-	-	"
104-105	0.005	0.019	0.027	0	0.03	sltstn
105-106	0.010	0.017	0.055	-	-	"
106-107	0.005	0.019	0.037	-	-	"

*Closed can gamma only assay for eU_3O_8

Table 1. (Continued)

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
115-116	0.013	0.021	0.012	24.67	0.01	silty ls
116-117	0.006	0.008	0.008	-	-	ss
117-118	0.005	0.006	0.005	-	-	"
118-119	0.004	0.007	0.010	-	-	"
119-120	0.003	0.024	0.017	1.62	0.01	"
120-21	0.004	0.008	0.018	6.87	0.01	"
121-122	0.007	0.014	0.019	6.20	0.01	"
122-123	0.012	0.018	0.020	10.49	0.01	silty ls, cher
123-124	0.008	0.023	0.021	8.20	0.01	"
124-125	0.012	0.019	0.023	15.95	0.02	silty ls
125-126	0.008	0.019	0.026	14.84	0.01	" "
126-127	0.047	0.053	0.083	9.23	0.01	" "
127-128	0.018	0.025	0.029	11.45	0.01	" "
128-129	0.022	0.027	0.056	9.08	0.01	" "
129-130	0.001	0.007	0.004	16.62	0.01	ls & chert
130-131	0.007	0.012	0.006	26.22	0.01	" "
131-132	0.030	0.038	0.071	7.16	0.02	ls & mdstn
132-133	0.022	0.033	0.062	3.18	0.01	ss & mdstn
133-134	0.005	0.010	0.038	13.44	0.01	ls & mdstn
134-135	0.017	0.030	0.077	14.11	0.01	silty ls
135-136	0.024	0.031	0.059	14.77	0.01	" "
136-137	0.011	0.016	0.042	2.14	0.15	ss
137-138	0.024	0.028	0.062	9.67	0.01	"
138-139	0.023	0.031	0.107	0.30	0.02	silicified ls
139-140	0.005	0.006	0.014	26.44	0.01	ls
140-141	0.013	0.015	0.014	18.31	0.01	ls & sltstn

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 16C
Cored Interval
240'-335'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
246.5-247	0.003	0.014	0.067	-	-	ss & mdstn
247-247.5	0.007	0.078	0.168	-		mdstn
247.5-248	0.014	0.058	0.048	-	-	"
248-248.5	0.055	0.051	0.107	-	-	"
248.5-249	0.078	0.103	0.099	-	-	"
249-249.5	0.425	0.444	0.257	-	-	mdstn & lignite
249.5-250	0.476	0.285	0.169	-	-	mdstn
250-250.5	0.447	0.416	0.159	-	-	"
250.5-251	0.181	0.122	0.278	-	-	mdstn & lignite
251-251.5	0.015	0.028	0.098	-	-	" "
251.5-252	0.003	0.008	0.115	-	-	sltstn
267.5-268	0.001	0.012	0.062	-	-	mdstn
268-268.5	0.004	0.014	0.030	-	-	"
268.5-269	0.141	0.150	0.109	-	-	lignite
269-269.5	0.125	0.102	0.071	-	-	mdstn
269.5-270	0.046	0.061	0.070	-	-	"
270-270.5	0.009	0.022	0.064	-	-	"
270.5-271	0.005	0.021	0.089	-	-	"
287.5-288	0.017	0.022	0.033	-	-	"
288-288.5	0.062	0.048	0.015	-	-	mdstn
288.5-289	0.033	0.053	0.031	-	-	"
289-289.5	0.005	0.020	0.050	-	-	"

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
292.5-293	0.007	0.015	0.164	-	-	sltstn
293-293.5	0.009	0.015	0.112	-	-	"
293.5-294	0.004	0.014	0.082	-	-	calc. mdstn
294-294.5	0.060	0.045	0.102	-	-	mdstn
294.5-295	0.074	0.066	0.151	-	-	lignite & mdst
295-295.5	0.079	0.081	0.045	-	-	lignite
295.5-296	0.027	0.075	0.023	-	-	"
296-296.5	0.060	0.090	0.179	-	-	"
296.5-297	0.067	0.095	0.049	-	-	"
297-297.5	0.045	0.077	0.265	-	-	"
297.5-298	0.021	0.028	0.045	-	-	mdstn
298-298.5	0.027	0.035	0.023	-	-	sltstn
298.5-299	0.045	0.050	0.034	-	-	"
299-299.5	0.059	0.050	0.052	-	-	lignite & mdst
299.5-300	0.042	0.051	0.102	-	-	" "
300-300.5	0.034	0.037	0.062	-	-	lignitic sltst
300.5-301	0.025	0.025	0.031	-	-	lignitic sltst
301-301.5	0.233	0.218	0.218	-	-	lignite
301.5-302	0.125	0.141	0.134	-	-	lignite & mdst
302-302.5	0.022	0.025	0.023	-	-	calc mdstn
302.5-303	0.012	0.013	0.018	-	-	" "
303-303.5	0.013	0.014	0.015	-	-	" "
303.5-304	0.018	0.022	0.012	-	-	" "
304.5-305	0.019	0.040	0.071	-	-	lignite
305-305.5	0.071	0.054	0.054	-	-	"
305.5-306	0.027	0.035	0.015	-	-	mdstn
306-306.5	0.038	0.038	0.018	-	-	"
306.6-307	0.043	0.044	0.018	-	-	lignite
307-307.5	0.044	0.051	0.024	-	-	"
307.5-308	0.035	0.050	0.036	-	-	"
308-308.5	0.052	0.065	0.095	-	-	"
308.5-309	0.013	0.011	0.018	-	-	mdstn
309-309.5	0.015	0.020	0.035	-	-	"
309.5-310	0.016	0.014	0.033	-	-	"
310-310.5	0.050	0.036	0.045	-	-	"
310.5-311	0.039	0.045	0.033	-	-	"
311-311.5	0.039	0.037	0.030	-	-	"
311.5-312	0.038	0.031	0.042	-	-	"
312-312.5	0.012	0.011	0.052	-	-	"

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 17C
Cored Interval
100'-215'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
104-105	0.009	0.017	0.021	11.52	0.07	sltstn & Rs
105-106	0.004	0.014	0.070	0.40	0.02	sltstn
106-107	0.006	0.010	0.034	0.35	0.02	"
107-108	0.010	0.017	0.040	0.01	0.01	"
130-131	0.008	0.011	0.039	-	-	mdstn
131-132	0.040	0.037	0.046	0	0.02	"
132-133	0.012	0.007	0.034	0.07	0.02	"
133-134	0.030	0.026	0.035	11.49	0.02	"
134-135	0.008	0.013	0.016	-	-	"
135-136	0.007	0.010	0.008	-	-	"
136-137	0.028	0.037	0.018	0.07	0.01	"
137-138	0.006	0.008	0.008	-	-	"
138-139	0.017	0.025	0.015	0	0.01	"
139-140	0.010	0.020	0.021	0	0.02	"
140-141	0.009	0.013	0.061	0	0.02	sltstn
141-142	0.009	0.012	0.124	0	0.03	"
143-144	0.003	0.010	0.098	0	0.02	"
144-145	0.010	0.021	0.077	0	0.02	sltstn & mds
146-147	0.011	0.024	0.249	0	0.01	sltstn
147-148	0.023	0.022	0.159	0	0.02	"
148-149	0.024	0.028	0.068	0	0.01	mdstn
149-150	0.039	0.039	0.092	0	0.01	mdstn
150-151	0.004	0.013	0.080	0	0.02	"
154-155	0.009	0.013	0.102	0	0.01	"
162-163	0.004	0.002	0.205	-	-	"
163-164	0.022	0.036	0.065	0	0.01	mdstn
164-165	0.004	0.011	0.031	-	-	"
165-166	0.024	0.023	0.146	0	0.01	"
166-167	0.005	0.005	0.026	-	-	"
192-193	0.012	0.011	0,039	-	-	"
193-194	0.017	0.020	0.130	0	0.04	mdstn
199-200	0.076	0.090	0.133	0	0.21	"
200-201	0.012	0.021	0.156	0	0.03	sltstn
202-203	0.003	0.008	0.049	0	0.01	mdstn
203-204	0.059	0.064	0.159	0.15	0.04	"
204-205	0.059	0.068	0.127	0	0.01	"
205-206	0.001	0.011	0.076	0	0.02	mdstn & slts
198-199	0.003	0.007	0.079	-	-	mdstn

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 18C
Cored Interval
270'-320'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
278-279	0.007	0.011	0.021	--	--	silty ls
279-280	0.055	0.063	0.181	23.12	0.56	" "
280-281	0.007	0.005	0.003	-	-	" "
281-282	0.095	0.115	0.205	22.82	0.73	" "
282-283	0.250	0.161	0.051	16.62	1.00	" "
283-284	0.042	0.035	0.015	22.23	0.88	" "
284-285	0.042	0.032	0.015	22.08	0.84	" "
285-286	0.019	0.025	0.009	21.56	0.77	" "
286-287	0.019	0.030	0.241	8.64	0.75	lignite
288-289	0.062	0.077	0.135	0.74	0.50	"
289-290	0.120	0.148	0.303	3.77	0.62	lignite & sltst
290-291	0.038	0.040	0.083	6.94	0.75	sltstn & mdstn
291-292	0.005	0.005	0.024	-	-	" "
293-294	0.007	0.001	0.018	-	-	" "
294-295	0.059	0.058	0.036	13.07	0.89	" "
295-296	0.031	0.030	0.062	11.67	0.86	slstn & lignite
296-297	0.103	0.147	0.161	3.03	0.52	" "
297-298	0.058	0.059	0.003	12.48	0.44	" "
298-299	0.023	0.022	0.003	15.43	0.87	marl & lignite
299-300	0.012	0.008	0.025	-	-	" "
312-313	0.014	0.022	0.042	0.22	0.70	sltstn
313-314	0.029	0.017	0.074	0.15	0.63	"
314-315	0.007	0.006	0.049	-	-	"

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 26C
Cored Intervals
595'-649';705'-755'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
601-602	0.008	0.011	0.005			mdstn & sltst
602-603	0.024	0.029	0.302	8.24	0.67	slstn & lignite
603-604	0.032	0.027	0.072	3.72	0.62	" "
604-605	0.024	0.025	0.226	0.03	0.57	lignite
605-606	0.020	0.016	0.058	0.01	0.55	"
606-607	0.047	0.061	0.311	0.01	0.45	"
607-608	0.011	0.014	0.021	8.68	0.58	lignite & sltst
619-620	0.002	0.003	0.007	-	-	" "
620-621	0.011	0.021	0.013	-	-	" "
621-622	0.019	0.019	0.051	0.06	0.25	lignite, sltstn & mdstn
622-623	0.012	0.018	0.076	0.72	0.41	lignitic sltstn
623-624	0.009	0.010	0.045	4.95	1.57	" "
624-625	0.007	0.019	0.009	9.90	1.07	sltstn
625-626	0.043	0.048	0.003	15.88	0.27	silty ls
626-627	0.020	0.033	0.007	15.36	0.32	"
627-628	0.010	0.010	0.008	-	-	lignitic sltst
628-629	0.006	0.010	0.010	-	-	" "
629-630	0.014	0.026	0.016	9.16	0.70	" "
630-631	0.034	0.040	0.017	6.79	0.53	" "
631-632	0.034	0.070	0.009	22.01	0.18	silty, lignitic l
632-633	0.008	0.006	0.026	-	-	" "
633-634	0.004	0.014	0.008	-	-	" "
634-635	0.106	0.108	0.008	36.93	0.25	" "
635-636	0.121	0.170	0.003	27.99	0.12	" "
636-637	0.248	0.175	0.015	26.00	0.62	ls & sltstn
637-638	0.017	0.057	0.001	29.91	0.27	" "
638-639	0.012	0.018	0.010	27.32	0.09	ls
639-640	0.052	0.048	0.010	18.09	0.50	"
640-641	0.008	0.015	0.010	-	-	ls & sltstn
718-719	0.004	0.005	0.012	-	-	sltstn & mdstn

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 26C (Con't)

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
719-720	0.008	0.019	0.015	-	-	mdstn
720-721	0.345	0.292	0.026	0.07	0.67	ss
721-721.3	0.067	0.081	0.071	0.71	0.08	"
722.5-723	0.007	0.009	0.071	-	-	"
723-724	0.022	0.038	0.054	0.68	0	ss & mdstn
725-726	0.006	0.012	0.013	-	-	sltstn
726-727	0.003	0.002	0.010	-	-	ss
733-734	0.003	0.003	0.010	-	-	sltstn
734-735	0.007	0.016	0.018	-	-	"
735-736	0.008	0.008	0.016	-	-	lignitic mdst
736-737	0.007	0.011	0.016	-	-	" "
738-739	0.004	0.009	0.015	-	-	sltstn
740-741	0.003	0.002	0.008	-	-	marl
741-742	0.001	0.003	0.008	-	-	"
743-744	0.003	0.007	0.029	-	-	mdstn
737-738	0.034	0.037	0.086	0.09	1.74	"
739-740	0.045	0.029	0.089	30.06	0.19	slstn & mar
742-743	0.030	0.022	0.201	8.35	0.90	mdstn & lign

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 49 C
Cored Interval
606'-650'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
609-610	0.007	0.013	0.063	-	-	mdstn
610-611	0.020	0.019	0.076	-	-	"
611-612	0.010	0.017	0.079	-	-	"
612-613	0.034	0.034	0.120	0.01	0.32	chert
613-614	0.008	0.027	0.155	1.99	0.36	mdstn&cherty l
614-615	0.033	0.054	0.005	30.72	0.05	ls
615-616	0.058	0.051	0.039	26.51	0.01	"
616-617	0.061	0.058	0.026	25.33	0.04	"
617-618	0.077	0.091	0.026	25.63	0.01	"
618-619	0.040	0.051	0.048	6.65	0.55	ls&lignitic m
619-620	0.037	0.030	0.042	5.98	0.48	lignite & mds
620-621	0.032	0.036	0.196	0.22	0.63	mdstn
621-622	0.022	0.026	0.014	11.89	0.35	mdstn & ls
622-623	0.020	0.020	0.007	33.60	0.23	ls
624-625	0.024	0.024	0.015	2.73	0.98	mdstn
625-626	0.019	0.025	0.014	-	-	"
629-630	0.004	0.008	0.021	-	-	lignitic mds
630-631	0.019	0.027	0.053	0.06	0.63	lignite
631-632	0.114	0.089	0.336	0.09	0.73	"
632-633	0.016	0.054	0.039	0.22	1.38	"
633-634	0.020	0.027	0.049	0.65	0.94	mdstn
634-635	0.013	0.019	0.046	0.99	1.19	"
635-636	0.011	0.024	0.146	9.01	1.51	lignite ls & sltstn
636-637	0.078	0.046	0.089	2.29	2.07	mdstn
637-638	0.012	0.024	0.064	2.51	1.40	lignite & mds

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 51C
Cored Interval
377'-418';430-475'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
394-395	0.001	0.017	0.035	0	0.063	sltstn
395-396	0.004	0.016	0.038	0	0.037	"
396-397	0.040	0.036	0.064	0	0.429	sltstn & ss
397-398	0.013	0.020	0.016	0	0.386	" "
398-299	0.021	0.024	0.013	0.02	0.063	" "
399-400	0.008	0.023	0.013	0.01	0.316	mdstn
400-401	0.008	0.036	0.012	0.02	0.409	sltstn & ss
401-402	0.009	0.034	0.014	0.04	0.326	slstn
402-403	0.005	0.025	0.012	0.02	0.374	sltstn & mds
403-404	0.012	0.025	0.025	0.04	0.506	lignitic slt
404-405	0.023	0.027	0.020	0	1.012	" "
405-406	0.011	0.031	0.0 0	0	0.848	sandy sltstn
406-407	0.011	0.030	0.017	0	1.386	mdstn
407-408	0.152	0.062	0.254	0.01	2.046	lignitic mds
408-409	0.001	0.036	0.035	0	0.905	mdstn
409-410	0.005	0.017	0.020	0.10	0.848	"
410-411	0.010	0.032	0.045	0	1.402	"
411-412	0.007	0.026	0.067	0	0.094	"
412-413	0.001	0.007	0.057	0	0.334	"
438-439	0.001	0.011	0.121	3.63	0.027	sltstn
439-440	0.044	0.044	0.064	14.24	0.362	ls & mdstn
440-441	0.227	0.190	0.025	30.84	0.444	ls
441-442	0.063	0.116	0.018	23.25	0.516	"
442-443	0.020	0.028	0.029	14.02	0.227	ls & mdstn
443-444	0.011	0.823	0.089	7.81	0.721	mdstn
444-445	0.024	0.004	0.105	0.68	0.053	lignitic md
445-446	0.075	0.096	0.199	0.17	0.053	"
446-447	0.111	0.019	0.140	0.19	0.017	"
447-448	0.001	0.005	0.200	0.11	0.651	"
461-462	0.008	0.013	0.488	0.01	0.067	sltstn
462-463	0.007	0.017	0.281	0.02	0.035	"
463-464	0.011	0.018	0.303	0.01	0.060	lignitic slt
464-465	0.259	0.280	0.312	0.01	0.569	" "
465-466	0.263	0.222	0.385	0.13	0.585	" "
466-467	0.845	0.567	0.382	0.02	0.711	sltstn
467-468	0.063	0.088	0.215	0.01	0.551	"
468-469	0.010	0.023	0.156	0.02	0.080	"
469-470	0.008	0.023	0.159	0.07	0.032	"
470-471	0.002	0.004	0.134	0.02	0.025	"

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 79C
Cored Interval
25'-70'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
40-41	0.001	0.007	0.008	-	-	mdstn
41-42	0.024	0.011	0.010	6.42	0.31	"
42-43	0.005	0.008	0.038	9.17	0.33	"
43-44	0.009	0.013	0.030	12.10	0.32	"
44-45	0.001	0.021	0.008	-	-	""
45-46	0.022	0.026	0.044	12.36	0.11	"
46-47	0.035	0.037	0.012	32.35	0.32	mdstn & ls
47-48	0.021	0.024	0.008	31.68	0.08	" "
48-49	0.001	0.021	0.005	-	-	" "
49-50	0.001	0.006	0.003	-	-	" "
50-51	0.001	0.002	0.003	-	-	" "
58-59	0.010	0.010	0.018	30.28	0.13	silty ls
59-60	0.001	0.013	0.034	-	-	" "
60-61	0.020	0.021	0.060	23.48	0.07	"
61-62	0.004	0.009	0.018	-	-	sltstn
62-63	0.011	0.018	0.145	1.02	0.13	"
63-64	0.021	0.030	0.074	3.84	0.15	"
57-58	0.015	0.014	0.021	-	-	sltstn
64-65	0.008	0.014	0.011	-	-	ls
65-66	0.010	0.013	0.011	-	-	ls & sltstn

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 113C
Cored Interval
270'-345'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
272-273	0.013	0.012	0.036	7.75	1.75	lignite
273-274	0.028	0.022	0.030	0.44	2.17	"
274-275	0.005	0.015	0.026	-	-	"
275-276	0.007	0.010	0.029	-	-	mdstn
276-277	0.013	0.013	0.026	-	-	lignite
277-278	0.007	0.011	0.030	-	-	"
278-279	0.020	0.024	0.030	11.15	1.44	lignite, mdstn ls
279-280	0.016	0.016	0.014	14.84	1.92	lignite,mdstn &
280-281	0.016	0.025	0.014	7.39	2.13	" "
285-286	0.015	0.022	0.077	0	0.90	lignite
295-296	0.014	0.018	0.065	0	0.63	lignitic slt
296-297	0.004	0.012	0.132	0	0.47	"
297-298	0.005	0.009	0.138	0	0.49	"
298-299	0.008	0.016	0.150	0	0.69	"
299-300	0.022	0.045	0.223	0	0.71	"
300-301	0.054	0.062	0.148	0	1.05	"
301-302	0.030	0.055	0.195	0	1.15	"
302-303	0.032	0.040	0.095	0	0.85	sltstn
303-304	0.004	0.016	0.024	-	-	"
316-317	0.004	0.011	0.029	-	-	"
317-318	0.070	0.036	0.036	0	1.69	lignitic sltst
318-319	0.020	0.019	0.016	0	1.45	" "
319-320	0.012	0.017	0.021	0	1.36	" "
339-340	0.007	0.035	0.022	0	2.78	" "
340-341	0.156	0.117	0.036	0	0.47	"
341-342	0.006	0.016	0.017	0	0.11	ss
342-343	0.008	0.022	0.021	0	0.13	"
343-344	0.057	0.076	0.028	0	1.42	lignitic mdst
344-345	0.001	0.004	0.032	-	-	ss

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 119C
Cored Interval
26'-41';105'-135'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
30-31	0.001	0.005	0.055	-	-	mdstn
31-32	0.076	0.076	0.102	0	0.17	"
34-35	0.007	0.022	0.036	0	0.18	"
113.5-114	0.044	0.135	0.101	10.63	0.52	calc mdstn
114-115	0.017	0.029	0.011	20.86	0.99	ls & lignite
116-117	0.014	0.015	0.006	35.45	0.58	marl
118-119	0.016	0.017	0.012	26.81	0.45	"
119-120	0.090	0.083	0.030	27.03	0.93	"
120-121	0.045	0.040	0.065	31.24	0.63	marl & lignit
121-122	0.007	0.008	0.021	-	-	ls
122-123	0.007	0.008	0.024	-	-	ls & lignite
123-124	0.071	0.058	0.083	12.26	1.53	silicified ls &
124-125	0.011	0.019	0.026	-	-	lignite
130-131	0.007	0.012	0.029	-	-	marl
131-132	0.288	0.251	0.170	24.52	1.75	marl & lignite
132-133	0.194	0.118	0.077	0.37	1.85	lignite
133-134	0.011	0.020	0.027	0	2.13	lignite & sltst
117-118	0.015	0.018	0.017	-	-	marl

*Closed can gamma only assay for eU_3O_8.

Table 1. (Continued)

AM - 135C
Cored Interval
373'-399';452'-484'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
377-378	0.008	0.008	0.065	-	-	mdstn
378-379	0.027	0.027	0.095	0	0.47	"
382-383	0.020	0.017	0.077	0	0.96	"
383-384	0.024	0.025	0.030	0.34	1.00	"
384-385	0.028	0.038	0.027	0	1.10	lignitic mdstn
385-386	0.043	0.065	0.092	0	0.21	" "
386-387	0.135	0.085	0.123	0	2.22	" "
387-388	0.025	0.061	0.030	0.01	0.56	" "
388-389	0.033	0.038	0.062	0	0.67	" "
389-390	0.006	0.012	0.047	-	-	sltstn
457-458	0.011	0.033	0.344	0	0.21	lignitic sltstn
458-459	0.010	0.054	0.264	0.01	0.16	" "
459-460	0.033	0.051	0.456	0.01	0.33	" "
460-461	0.171	0.159	0.906	0.10	1.57	" "
461-462	0.176	0.183	0.373	1.09	0.51	" "
462-463	0.106	0.106	0.272	1.43	0.75	" "
463-464	0.090	0.122	0.064	4.61	2.42	" "
464-465	0.008	0.027	0.024	0.16	2.24	" "
465-466	0.006	0.010	0.018	-	-	" "
466-467	0.053	0.048	0.047	8.85	2.09	" "
467-468	0.138	0.125	0.117	6.99	2.24	" "
468-469	0.084	0.144	0.086	0.37	2.24	marl & lignite
469-470	0.045	0.052	0.056	28.06	0.21	marl
470-471	0.058	0.054	0.014	22.01	0.33	"
471-472	0.052	0.128	0.014	16.84	0.33	marl & lignite
472-473	0.361	0.370	0.067	15.58	0.21	" "
473-474	0.273	0.626	0.051	4.71	0.83	lignite sltstn
474-475	0.149	0.145	0.314	0.22	1.10	" "
475-476	0.059	0.051	0.071	0.01	2.09	" "
476-472	0.011	0.018	0.071	0.06	1.70	mdstn & sltstn
381-382	0.012	0.011	0.105	-	-	mdstn

*Closed can gamma only assay for eU_3O_8

Table 1. (Continued)

AM - 149C
Cored Interval(s)
340'-355';380-420'

Core Depth ft.	U_3O_8 % by wt.	eU_3O_8* % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur(s) % by wt.	Lithology
350-351	0.008	0.015	0.015	3.07	0.017	sltstn
351-352	0.005	0.013	0.022	3.38	0.133	"
352-353	0.001	0.004	0.076	0.17	0.007	"
380-381	0.008	0.008	0.064	0.07	0.498	"
381-382	0.014	0.022	0.016	0.20	0.534	"
382-383	0.061	0.076	0.012	0.14	0.658	"
383-384	0.072	0.081	0.014	0.13	0.215	"
384-385	0.032	0.048	0.011	0.38	0.075	"
385-386	0.022	0.028	0.013	0.26	0.316	"
386-387	0.012	0.027	0.015	0.06	0.848	"
387-388	0.003	0.015	0.017	0.04	1.216	"
388-389	0.011	0.013	0.021	0.04	1.009	"
389-390	0.012	0.012	0.024	0.01	0.852	"
390-391	0.009	0.011	0.041	0.01	0.892	"
391-392	0.003	0.013	0.070	0	1.169	"
392-393	0.016	0.045	0.099	0	1.921	"
393-394	0.050	0.050	0.209	0	0.159	lignite sltstn
394-395	0.039	0.028	0.143	0.02	0.077	" "
395-396	0.001	0.008	0.153	3.45	0.317	sltstn
396-397	0.001	0.016	0.163	0.10	0.094	"
397-398	0.039	0.033	0.571	0	0.939	"
398-399	0.009	0.018	0.153	0	0.885	"
399-400	0.011	0.016	0.115	0.01	1.216	"
400-401	0.005	0.021	0.131	0	0.721	"
401-402	0.014	0.017	0.184	0	0.631	sltstn & ligni
402-403	0.012	0.017	0.099	0	0.374	" "
403-404	0.005	0.007	0.077	0	0.090	mdstn
404-405	0.003	0.009	0.105	0	0.050	"
405-406	0.004	0.008	0.191	0.01	0.280	"
406-407	0.005	0.012	0.203	0.01	0.109	"
407-408	0.012	0.024	0.169	0	0.159	"
408-409	0.039	0.034	0.166	0	0.093	"
409-410	0.139	0.150	0.278	0	1.216	mdstn & ligni
410-411	0.032	0.036	0.080	0	1.979	sltstn & ligni
411-412	0.008	0.013	0.020	-	-	sltstn

*Closed can gamma only assay for eU_3O_8.

AM - 1c

Table 2. Core hole interval summary of assays from the Anderson Mine.

Log depth ft.	Thickness ft.	eU_3O_8 % by wt.	cU_3O_8 % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur % by wt.
95.5-98.0	3.0	.061	.037	.029	-	-
100.0-102.5	3.0	.057	.065	.067	-	-
104.5-107.5	3.5	.042	.037	.085	-	-
111.5-116.5	5.5	.055	.058	.050	-	-
Total	15.0					
Weighted average		.054	.050	.057	-	-

cU_3O_8: eU_3O_8 = .926

AM - 7c

18.5-23.0	5.0	.095	.110	.130	.08	.34
98.0-99.5	2.0	.033	.014	.014	0	.28
Total	7.0					
Weighted average		.077	.083	.097	.06	.32

cU_3O_8: eU_3O_8 = 1.072

AM - 13c

125.5-138.5	13.5	.040	.019	.054	10.57	.02
Total	13.5					
Weighted average		.040	.019	.054	10.57	.02

cU_3O_8: eU_3O_8 = .475

AM - 16c

249.0-254.0	5.5	.135	.155	.142	-	-
273.5-276.0	3.0	.080	.055	.072	-	-
298.5-315.5	17.5	.052	.045	.060	-	-
Total	26.0					
Weighted average		.073	.069	.079		

cU_3O_8: eU_3O_8 = .945

AM - 17c

Table 2. (Continued)

Log depth ft.	Thickness ft.	eU_3O_8 % by wt.	cU_3O_8 % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur % by wt.
149.0-150.5	2.0	.033	.032	.080	0	.01
204.5-207.0	3.0	.040	.040	.112	.03	.02
Total	5.0					
Weighted average		.038	.037	.099	.02	.02

cU_3O_8: eU_3O_8 = .974

AM - 18c

281.5-285.5	4.5	.051	.090	.059	21.06	0.84
289.5-293.0	4.0	.081	.060	.191	5.02	0.66
295.5-301.5	6.5	.065	.048	.048	11.14	0.72
Total	15.0					
Weighted average		.065	.063	.089	12.48	0.74

cU_3O_8: eU_3O_8: .938

AM - 26c

627.5-629.0	2.0	.042	.031	.005	15.62	0.30
631.5-640.0	9.0	.082	.064	.011	24.38	0.27
722.5-725.0	3.0	.111	.139	.037	0.39	0.38
Total	14.0					
Weighted average		.083	.075	.016	17.99	0.30

cU_3O_8: eU_3O_8 = .969

AM - 49c

615.0-622.5	8.0	.055	.045	.069	16.87	0.31
632.5-639.5	7.5	.038	.039	.108	1.90	1.21
Total	15.5					
Weighted average		.047	.042	.088	9.63	0.75

cU_3O_8: eU_3O_8 = .894

Table 2. (Continued)

Log depth ft.	Thickness ft.	eU_3O_8 % by wt.	cU_3O_8 % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur % by wt.
396.0-401.0	5.5	.033	.018	.024	.01	0.32
403.0-411.5	9.0	.038	.026	.055	.02	1.01
442.5-450.0	8.0	.087	.072	.084	11.40	0.30
466.0-471.0	5.5	.205	.288	.319	0.04	0.50
Total	28.0					
Weighted average		.084	.089	.109	3.27	0.52

cU_3O_8: eU_3O_8 = 1.060

AM - 79c

45.5-47.5	2.5	.037	.029	.028	22.36	0.22
Total	2.5					
Weighted average		.037	.029	.028	22.36	0.22

cU_3O_8: eU_3O_8 = .784

AM - 113c

301.5-306.0	5.0	.049	.029	.150	0	0.89
342.5-347.5	5.5	.061	.047	.026	0	0.43
Total	10.5					
Weighted average		.055	.039	.085	0	0.65

cU_3O_8: eU_3O_8 = .709

AM - 119c

122.0-127.0	5.5	.045	.044	.045	23.51	1.03
132.0-134.5	3.0	.123	.163	.092	12.28	1.80
Total	8.5					
Weighted average		.073	.086	.062	19.55	1.30

cU_3O_8: eU_3O_8 = 1.178

AM - 135c

Table 2. (Continued)

Log depth ft.	Thickness ft.	eU_3O_8 % by wt.	cU_3O_8 % by wt.	V_2O_5 % by wt.	CO_2 % by wt.	Total sulfur % by wt.
386.0-391.0	5.5	.053	.053	.067	0.002	0.95
458.0-465.0	7.5	.115	.085	.337	1.06	1.14
468.0-477.5	10.0	.175	.127	.084	10.36	1.17
Total	23.0					
Weighted average		.126	.096	.162	4.85	1.11

cU_3O_8: eU_3O_8 = .762

AM - 149c

382.5-388.0	6.0	.050	.036	.014	0.19	0.44
393.5-396.0	3.0	.044	.035	.150	0.01	0.72
398.0-399.5	2.0	.034	.024	.362	0	0.91
407.0-413.0	6.5	.061	.039	.066	0.002	0.59
Total	17.5					
Weighted average		.051	.036	.096	0.07	0.60

cU_3O_8: eU_3O_8 = .706

Table 3. Calculation summary sheet for Anderson Mine disequilibrium study.

Hole No..	Thickness (ft.)	Average eU_3O_8 (wt.%)	Weighted Average eU_3O_8 (wt.% ft.)	Average cU_3O_8 (wt.%)	Weighted Average cU_3O_8 (wt.% ft.)	Diseq.
AM-1c	15.0	.054	0.810	.050	0.750	0.92
AM-7c	7.0	.077	0.539	.083	0.581	1.07
AM-13c	13.5	.040	0.540	.019	0.257	0.47
AM-16c	26.0	.073	1.898	.069	1.794	0.94
AM-17c	5.0	.038	0.190	.037	0.185	0.97
AM-18c	15.0	.065	0.975	.063	0.945	0.93
AM-26c	14.0	.083	1.162	.075	1.050	0.96
AM-49c	15.5	.047	0.729	.042	0.651	0.89
AM-51c	28.0	.084	2.352	.089	2.492	1.06
AM-79c	2.5	.037	0.093	.029	0.073	0.78
AM-113c	10.5	.055	0.578	.039	0.410	0.70
AM-119c	8.5	.073	0.621	.086	0.731	1.17
AM-135c	23.0	.126	2.898	.096	2.208	0.76
AM-149c	17.5	.051	0.893	.036	0.630	0.70
Total	201.0					
Weighted Totals			14.278		12.757	
Weighted Grade Average			.071		.063	

Disequilibrium Method #1

$$\frac{\text{total wt. } eU_3O_8}{\text{total wt. } eU_3O_8} \quad \text{or} \quad \frac{12.757}{14.127} = .893$$

Disequilibrium Method #2

$$\frac{\text{total wt. disequilibrium}}{\text{total thickness}} \quad \text{or} \quad \frac{177.761}{201}$$

study.

Diseq.	Weighted Diseq.	Average V_2O_5 (wt.%)	Weighted Average V_2O_5 (wt.% ft.)	Average CO_2 (wt.%)	Weighted Average CO_2 (wt.% ft.)	Average total sulfur (wt.%ft))	Weighted Average total sulfur (wt.% ft.)
0.926	13.890	.057	0.855	-	-	-	-
1.078	7.546	.097	0.679	0.06	0.42	0.32	2.24
0.475	6.413	.054	0.729	10.57	142.70	0.02	0.27
0.945	24.570	.079	2.054	-	-	-	-
0.974	4.870	.099	0.495	0.02	0.10	0.02	0.10
0.938	14.070	.089	1.335	12.48	187.20	0.74	11.10
0.969	13.566	.016	0.224	17.99	251.86	0.30	4.20
0.894	13.857	.088	1.364	9.63	11.30	0.75	11.63
1.060	29.680	.108	3.052	3.27	91.56	0.52	14.56
0.784	1.960	.028	0.070	22.36	55.90	0.22	0.55
0.709	7.445	.085	0.893	0	0	0.65	0
1.178	10.013	.062	0.527	19.55	166.18	1.30	11.05
0.762	17.526	.162	3.726	4.85	111.55	1.11	25.53
0.706	12.355	.096	1.680	0.07	1.23	0.60	10.50
	177.761		17.683		1020.00		91.73
			.088		6.38		.057

= .893

$\frac{77.761}{201}$ = .884

Table 4. Summary of Emission Spectrographic Analyses, Anderson Mine, September, 1976.

Hole # / Core Depth / Lithology	AM-135c 460-461 lignite & sltstn	AM-135c 469-470 marl	AM-135c 472-473 marl & lignite	AM-119c 119-120 marl	AM-119c 132-133 lignite	AM-113c 300-301 lignite & sltstn	AM-7c 18-19 mdstn	AM-17c 131-132 mdstn
Fe	1.5%	.2%	1.5%	.5%	2%	2%	2%	3%
Ca	.5%	15%	10%	20%	.7%	.2%	.3%	.2%
Mg	.5%	.2%	.2%	1%	1%	.3%	1.5%	2%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	500	<500	<500	<500	<500	<500
B	20	10	15	15	20	20	20	30
Ba	200	10	7	150	300	200	200	100
e	<2	<2	<2	<2	<2	<2	<2	2
Bi	<10	<10	<10	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	<5	<5	<5	<5	10	5	7	10
Cr	20	10	70	10	30	50	70	50
Cu	10	2	15	2	20	20	20	30
Ga	<10	<10	<10	<10	<10	<10	<10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
La	20	20	20	20	50	30	50	70
Mn	50	150	150	200	100	150	150	200
Mo	5	70●	300●	2	50●	30●	<2	<2
Nb	<20	<20	<20	<20	<20	<20	<20	20
Ni	15	<5	30	5	20	30	20	20
Pb	10	<10	10	10	20	15	20	10
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	<10	<10	<10	<10	10	<10	10	15
Sn	<10	<10	<10	<10	<10	<10	<10	<10
Sr	150	700	300	2,000	200	100	150	150
Ti	500	200	200	500	1,000	700	1,500	1,500
V	5,000●	200	500●	150	500●	700●	1,000●	200
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	10	<10	<10	<10	15	10	20	20
Zn	<200	<200	<200	<200	<200	<200	<200	<200
:	50	30	<20	30	50	50	50	50

● Anomalous value

Table 4. Summary of Emission Spectrographic Analyses, Anderson Mine, September, 1976.

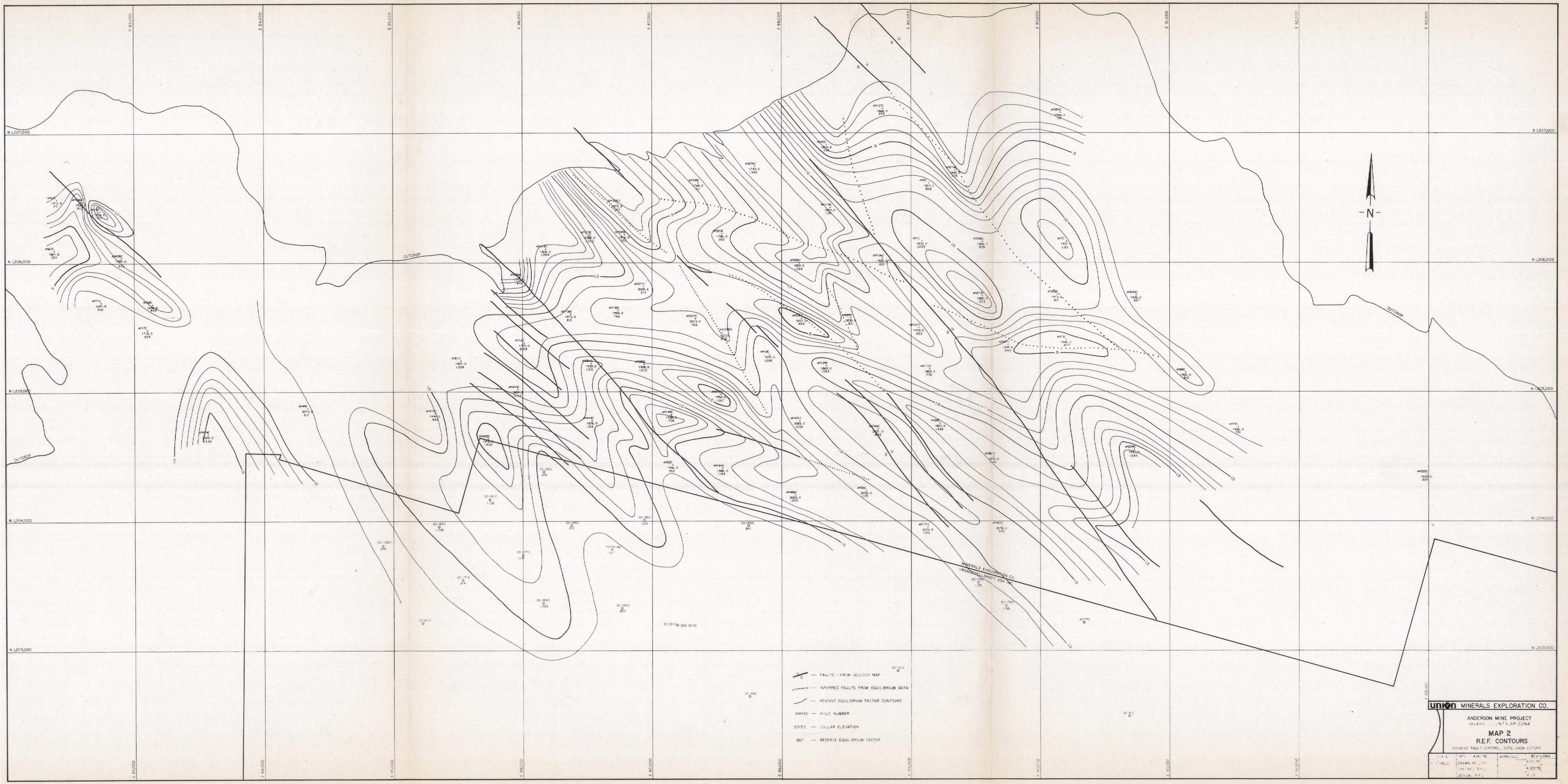
Hole #	AM-149c	AM-51c	AM-51c	AM-51c	AM-51c
Core Depth	408-409	445-446	446-447	464-465	446-467
Lithology	mdstn	lignite & mdstn	lignite & mdstn	lignite & sltstn	sltstn
Fe	1%	1%	1%	2%	1.5%
Ca	.3%	.5%	.2%	.2%	.2%
Mg	.3%	.5%	.5%	.2%	.5%
Ag	<1	<1	<1	<1	<1
As	<500	<500	<500	<500	700 ●
B	20	10	15	15	15
Ba	150	100	150	200	100
Be	<2	<2	<2	<2	<2
Bi	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50
Co	<5	<5	<5	<5	5
Cr	70	30	50	50	30
Cu	20	10	7	20	15
Ga	<10	<10	<10	<10	<10
Ge	<20	<20	<20	<20	<20
La	30	30	20	20	20
Mn	70	50	50	50	100
Mo	15 ●	<2	<2	10 ●	<2
Nb	<20	20	<20	<20	<20
Ni	15	5	5	10	5
Pb	10	<10	<10	<10	10
Sb	<100	<100	<100	<100	<100
Sc	<10	<10	<10	<10	<10
Sn	<10	<10	<10	<10	<10
Sr	150	100	150	200	150
Ti	500	500	500	300	300
V	700 ●	500 ●	700 ●	1,000 ●	1,500 ●
W	<50	<50	<50	<50	<50
Y	15	10	<10	10	10
Zn	<200	<200	<200	<200	<200
Zr	30	70	20	20	20

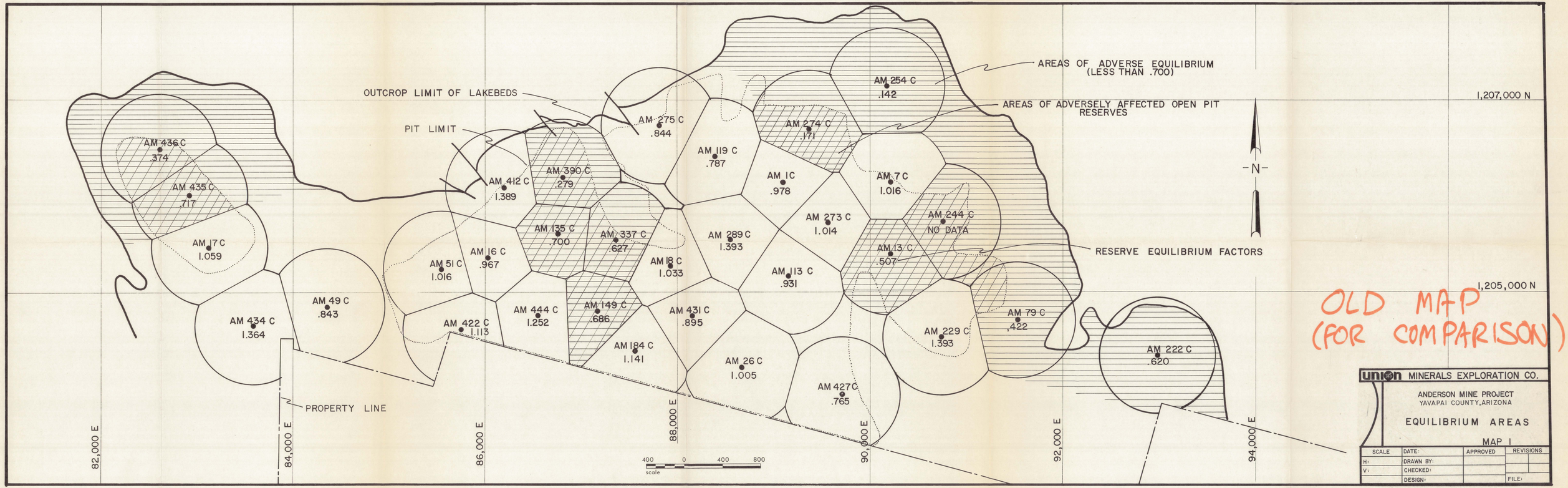
● Anomalous value

Table 4. Summary of Emission Spectrographic Analyses, Anderson Mine, September, 1976.

Hole #	AM-18c	AM-26c	AM-26c	AM-26c	AM-26c	AM-49c	AM-49c	AM-149
Core Depth	297-298	636-637	720-721	721-721.25	723-724	612-613	615-616	393-39
Lithology	lignite	ls & slstn	ss	ss	ss	chert	cherty ls	lignite&
Fe	1.5%	.5%	3%	2%	5%	2%	.2%	1%
Ca	10%	15%	1%	1%	1.5%	.5%	10%	.2%
Mg	.5%	.2%	1.5%	1%	1.5%	.5%	.3%	.2%
Ag	<1	<1	<1	<1	<1	<1	<1	<1
As	<500	<500	500	<500	<500	<500	<500	<500
B	15	<10	20	30	15	15	<10	50
Ba	100	20	700	700	700	100	10	50
Be	<2	<2	2	2	2	<2	<2	<2
Bi	<10	<10	<10	<10	<10	<10	<10	<10
Cd	<50	<50	<50	<50	<50	<50	<50	<50
Co	<5	<5	15	5	15	<5	<5	<5
Cr	50	15	100●	50	100●	70	<10	150
Cu	20	5	50	30	30	20	2	10
Ga	<10	<10	10	<10	10	<10	<10	<10
Ge	<20	<20	<20	<20	<20	<20	<20	<20
a	20	20	50	50	50	30	20	30
.n	500	300	200●	200●	200●	70	500	20
Mo	15●	<2	<2	<2	2	<2	<2	20
Nb	<20	<20	20	<20	20	<20	<20	<20
Ni	15	5	50	20	70	15	5	10
Pb	10	<10	30	20	20	10	<10	<10
Sb	<100	<100	<100	<100	<100	<100	<100	<100
Sc	<10	<10	15●	10●	20●	<10	<10	<10
Sn	<10	<10	<10	<10	<10	<10	<10	<10
Sr	1,000	200	1,000	1,000	1,000	70	500	100
Ti	500	100	2,000	1,000	3,000	500	100	500
V	50	30	200●	300●	300●	1,000●	100	700●
W	<50	<50	<50	<50	<50	<50	<50	<50
Y	<10	<10	30	10	20	20	<10	10
Zn	<200	<200	<200	<200	<200	<200	<200	<200
Zr	20	20	50	30	50	30	20	50

● Anomalous value


E 83,000
E 84,000
E 85,000
E 86,000
E 87,000
E 88,000
E 89,000
E 90,000
E 91,000
E 92,000
E 93,000
N 1,207,000
N 1,206,000
N 1,205,000
N 1,204,000
N 1,203,000
OUTCROP
U
D
-N-
— FAULTS – FROM GEOLOGY MAP
— INFERRED FAULTS FROM EQUILIBRIUM DATA
— RESERVE EQUILIBRIUM FACTOR CONTOURS
AM49C — HOLE NUMBER
2013 — COLLAR ELEVATION
967 — RESERVE EQUILIBRIUM FACTOR
union MINERALS EXPLORATION CO.
ANDERSON MINE PROJECT
YAVAPAI COUNTY, ARIZONA
MAP 2
R.E.F. CONTOURS
SHOWING FAULT CONTROL, 02% U3O8 CUTOFF
DATE 6/4/79
DRAWN
CHECKED
DESIGN REF.
APPROVED
REVISIONS
4/20/79
4/20/79



OLD MAP (FOR COMPARISON)

union MINERALS EXPLORATION CO.

ANDERSON MINE PROJECT
YAVAPAI COUNTY, ARIZONA

EQUILIBRIUM AREAS

MAP 1

SCALE	DATE:	APPROVED	REVISIONS
H:	DRAWN BY:		
V:	CHECKED:		
	DESIGN:		FILE: