

**Subsurface Data Supporting Release of Subarea F
Outside of the 2016 Proposed Licensed Area
Table 1 - 1991 Subsurface Soil Data**

Northing (meters)	Easting (meters)	Depth of Top of Sample (feet)	Sample Thickness (feet)	Total Uranium (bkg not subtracted) (pCi/g)
0	10	0.5	0.5	7.1
		1	1	6.4
		2	1	5.9
		3	1	6.4
0	20	0.5	0.5	6.4
		1	1	6.2
		2	1	5.0
		3	1	3.4
0	80	0.5	0.5	5.6
		1	1	4.8
		2	1	5.6
		3	1	3.1
2	60	0.5	0.5	7.1
		1	1	4.8
		2	1	3.8
		3	1	4.4
3	70	0.5	0.5	8.0
		1	1	4.0
		2	1	5.7
		3	1	5.8
8	70	0.5	0.5	2.5
		1	1	4.3
		2	1	2.7
		3	1	6.5
10	10	0.5	0.5	3.7
		1	1	5.6
		2	1	2.9
		3	1	3.0
10	20	0.5	0.5	5.9
		1	1	4.6
		2	1	4.0
		3	1	4.6
10	80	0.5	0.5	4.8
		1	1	5.1
		2	1	3.5
		3	1	2.9
20	10	0.5	0.5	4.1
		1	1	3.6
		2	1	8.8
		3	1	5.2

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Northing (meters)	Easting (meters)	Depth of Top of Sample (feet)	Sample Thickness (feet)	Total Uranium (bkg not subtracted) (pCi/g)
20	20	0.5	0.5	6.7
		1	1	5.4
		2	1	Rock
		3	1	Rock
20	30	0.5	0.5	8.5
		1	1	10.3
		2	1	4.7
		3	1	3.4
20	70	0.5	0.5	5.3
		1	1	8.0
		2	1	6.4
		3	1	10.5
20	80	0.5	0.5	5.4
		1	1	6.7
		2	1	7.1
		3	1	2.9
<i>25</i>	<i>70</i>	<i>0.5</i>	<i>1</i>	<i>21.0</i>
		<i>1.5</i>	<i>1</i>	<i>13.0</i>
		<i>2.5</i>	<i>1.5</i>	<i>9.9</i>
		<i>4</i>	<i>1</i>	<i>6.8</i>
30	10	0.5	0.5	11.6
		1	1	4.0
		2	1	4.3
		3	1	6.2
30	20	0.5	0.5	2.8
		1	1	6.5
		2	1	5.4
		3	1	2.1
30	30	0.5	0.5	6.8
		1	1	4.0
		2	1	5.8
		3	1	8.5
<i>30</i>	<i>35</i>	<i>0.5</i>	<i>1</i>	<i>< 5.5</i>
		<i>1.5</i>	<i>1</i>	<i>3.9</i>
		<i>2.5</i>	<i>1.5</i>	<i>4.1</i>
		<i>4</i>	<i>1</i>	<i>8.0</i>
30	70	0.5	0.5	9.1
		1	1	4.9
		2	1	5.0
		3	1	7.2

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30	80	0.5	0.5	6.9
		1	1	7.5
		2	1	5.5
		3	1	5.5
40	12	0.5	0.5	8.2
		1	1	6.9
		2	1	8.7
		3	1	5.0
40	20	0.5	0.5	9.1
		1	1	6.1
		2	1	4.0
		3	1	8.4
40	30	0.5	0.5	3.7
		1	1	9.6
		2	1	4.6
		3	1	4.5
40	40	0.5	0.5	5.4
		1	1	8.5
		2	1	4.4
		3	1	5.3
40	80	0.5	0.5	16.1
		1	1	2.8
		2	1	4.8
		3	1	5.2
50	0	0.5	0.5	3.0
		1	1	5.4
		2	1	9.8
		3	1	9.4
50	10	0.5	0.5	6.7
		1	1	7.3
		2	1	Rock
		3	1	Rock
50	20	0.5	0.5	5.8
		1	1	4.3
		2	1	5.2
		3	1	7.5
50	30	0.5	0.5	2.0
		1	1	5.6
		2	1	2.4
		3	1	3.2

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Table 1 - 1991 Subsurface Soil Data**

Northing (meters)	Easting (meters)	Depth of Top of Sample (feet)	Sample Thickness (feet)	Total Uranium (bkg not subtracted) (pCi/g)
50	40	0.5	0.5	5.9
		1	1	4.4
		2	1	Rock
		3	1	Rock
50	80	0.5	0.5	7.3
		1	1	7.2
		2	1	3.7
		3	1	5.3
<i>55</i>	<i>30</i>	<i>1.5</i>	<i>0.5</i>	<i>3.0</i>
60	0	0.5	0.5	9.6
		1	1	5.5
		2	1	8.4
		3	1	5.3
60	10	0.5	0.5	13.5
		1	1	6.5
		2	1	7.6
		3	1	10.1
60	20	0.5	0.5	7.0
		1	1	7.7
		2	1	7.4
		3	1	8.2
60	30	0.5	0.5	5.7
		1	1	9.3
		2	1	4.9
		3	1	6.3
60	40	0.5	0.5	4.7
		1	1	7.3
		2	1	7.4
		3	1	7.3
70	0	0.5	0.5	8.7
		1	1	6.5
		2	1	4.5
		3	1	2.7
70	10	0.5	0.5	5.7
		1	1	9.3
		2	1	6.9
		3	1	Rock
70	20	0.5	0.5	6.2
		1	1	11.0
		2	1	2.9
		3	1	5.2

Note: ORAU confirmatory survey data is in red italicized font.

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Northing (meters)	Easting (meters)	Depth of Top of Sample (feet)	Sample Thickness (feet)	Total Uranium (bkg not subtracted) (pCi/g)
70	30	0.5	0.5	12.4
		1	1	10.9
		2	1	10.1
		3	1	5.8
<i>70</i>	<i>30</i>	<i>0.5</i>	<i>1</i>	<i>5.6</i>
		<i>1.5</i>	<i>1</i>	<i>8.8</i>
		<i>2.5</i>	<i>1.5</i>	<i>10.0</i>
		<i>4</i>	<i>1</i>	<i>9.1</i>
80	0	0.5	0.5	8.1
		1	1	5.3
		2	1	3.4
		3	1	6.8
80	10	0.5	0.5	12.2
		1	1	6.6
		2	1	6.2
		3	1	9.0
80	20	0.5	0.5	3.9
		1	1	8.6
		2	1	7.4
		3	1	9.5
80	30	0.5	0.5	4.8
		1	1	3.5
		2	1	5.5
		3	1	6.9
90	0	0.5	0.5	9.8
		1	1	6.7
		2	1	6.8
		3	1	9.9
90	13	0.5	0.5	8.4
		1	1	4.7
		2	1	9.7
		3	1	5.7
90	20	0.5	0.5	5.9
		1	1	8.4
		2	1	8.8
		3	1	11.5
<i>91</i>	<i>27</i>	<i>0.5</i>	<i>1</i>	<i>8.0</i>
		<i>1.5</i>	<i>1</i>	<i>5.9</i>
		<i>2.5</i>	<i>1.5</i>	<i>6.1</i>
		<i>4</i>	<i>1</i>	<i>< 12</i>

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Northing (meters)	Easting (meters)	Depth of Top of Sample (feet)	Sample Thickness (feet)	Total Uranium (bkg not subtracted) (pCi/g)
98	10	0.5	0.5	11.6
		1	1	7.3
		2	1	10.2
		3	1	8.0
100	0	0.5	0.5	6.3
		1	1	3.4
		2	1	5.8
		3	1	6.1
100	20	0.5	0.5	6.9
		1	1	8.6
		2	1	8.7
		3	1	7.8
<i>100</i>	<i>25</i>	<i>0.5</i>	<i>1</i>	<i>6.0</i>
		<i>1.5</i>	<i>1</i>	<i>9.0</i>
		<i>2.5</i>	<i>1.5</i>	<i>6.6</i>
110	0	0.5	0.5	9.7
		1	1	6.9
		2	1	5.0
		3	1	9.0
110	10	0.5	0.5	11.6
		1	1	5.9
		2	1	3.7
		3	1	5.2
110	20	0.5	0.5	7.8
		1	1	10.6
		2	1	10.4
		3	1	Rock
110	80	0.5	0.5	9.1
		1	1	7.8
		2	1	7.4
		3	1	8.2
120	0	0.5	0.5	5.6
		1	1	6.3
		2	1	8.9
		3	1	6.3
120	10	0.5	0.5	8.0
		1	1	10.6
		2	1	8.6
		3	1	6.5

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Northing (meters)	Easting (meters)	Depth of Top of Sample (feet)	Sample Thickness (feet)	Total Uranium (bkg not subtracted) (pCi/g)
120	80	0.5	0.5	5.4
		1	1	5.6
		2	1	14.4
		3	1	4.8
130	70	0.5	0.5	3.3
		1	1	2.8
		2	1	5.6
		3	1	8.6
130	80	0.5	0.5	7.4
		1	1	4.7
		2	1	3.0
		3	1	8.1
140	70	0.5	0.5	8.8
		1	1	10.9
		2	1	4.0
		3	1	7.3
140	80	0.5	0.5	4.4
		1	1	9.8
		2	1	6.9
		3	1	5.8
150	60	0.5	0.5	5.2
		1	1	5.0
		2	1	5.0
		3	1	8.0
150	70	0.5	0.5	7.0
		1	1	6.7
		2	1	7.4
		3	1	7.7
150	80	0.5	0.5	6.0
		1	1	7.6
		2	1	7.8
		3	1	7.7
160	50	0.5	0.5	3.4
		1	1	3.7
		2	1	3.9
		3	1	8.0
160	60	0.5	0.5	2.6
		1	1	3.6
		2	1	7.8
		3	1	6.5

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Table 1 - 1991 Subsurface Soil Data**

Northing (meters)	Easting (meters)	Depth of Top of Sample (feet)	Sample Thickness (feet)	Total Uranium (bkg not subtracted) (pCi/g)
160	70	0.5	0.5	11.2
		1	1	2.7
		2	1	4.7
		3	1	6.2
160	80	0.5	0.5	6.3
		1	1	2.3
		2	1	4.8
		3	1	2.8
170	40	0.5	0.5	8.1
		1	1	5.9
		2	1	5.3
		3	1	5.6
170	50	0.5	0.5	5.1
		1	1	4.5
		2	1	7.2
		3	1	2.8
170	60	0.5	0.5	5.7
		1	1	3.3
		2	1	6.2
		3	1	6.3
170	70	0.5	0.5	10.8
		1	1	7.5
		2	1	4.7
		3	1	6.6
170	80	0.5	0.5	6.8
		1	1	7.7
		2	1	3.7
		3	1	5.1
Maximum Value				21.0
Mean				6.5
Mean plus 2 Standard Deviations				11.6