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Table 15. - Analyses, in percent, for uranium and vanadium in samples from Thybo uranium-bearing sandstone prospect, NE¼SW¼ sec. 10, T. 18 N., R. 8 E., Harding County, S. Dak.

[Hole locations shown on plate 13 in U.S. Geol. Survey Prof. Paper 463, 1965. V_2O_5: n.d. indicates not determined. Analysts: Mary Finch, S. P. Furman, W. D. Goss, H. H. Lipp, D. L. Stockwell, James Wahlberg, and J. E. Wilson]

Auger hole	Sample No.	Thickness (feet)	Description	Equivalent uranium	Uranium	Vanadium oxide V_2O_5
1	217802	1.4	Soil---------	0.058	0.015	<0.1
	803	1.0	Sandstone-----	.093	.003	< .1
	804	1.0	---do---------	.072	.003	< .1
2	806	1.0	Soil----------	.056	.002	< .1
	808	1.0	Sandstone-----	.066	.003	< .1
	809	1.0	---do---------	.063	.002	< .1
	810	.6	---do---------	.091	.002	< .1
3	811	1.1	Soil----------	.074	.002	< .1
	812	1.2	Sandstone-----	.11	.037	< .1
	813	1.0	---do---------	.061	.023	< .1
	814	1.0	---do---------	.056	.023	< .1
	815	.7	---do---------	.075	.020	< .1
4	829	1.6	Soil----------	.076	.037	< .1
	830	1.0	Sandstone-----	.011	.006	< .1
	831	1.2	---do---------	.008	.008	< .1
5	832	.8	Soil----------	.044	< .001	< .1
	833	1.1	Sandstone-----	.050	< .001	< .1
	834	.4	---do---------	.050	< .001	< .1
6	835	.6	Soil----------	.010	.002	< .1
	836	1.1	Sandstone-----	.002	< .001	n.d.
	837	1.1	---do---------	.003	< .001	n.d.
	838	1.0	---do---------	.004	< .001	n.d.
	839	.5	---do---------	.004	< .001	n.d.
7	846	1.2	Soil----------	.018	< .001	< .1
	847	1.0	Sandstone-----	.003	< .001	n.d.
	848	1.0	---do---------	.003	< .001	n.d.
	849	1.0	---do---------	.003	< .001	n.d.
	850	.9	---do---------	.002	< .001	n.d.
8	851	1.4	Soil----------	.005	< .001	< .1
	852	.6	Carbonaceous shale.	.034	.001	< .1
	853	1.0	Sandstone-----	.042	< .001	< .1
	854	1.0	---do---------	.010	< .001	< .1
	855	1.1	---do---------	.007	< .001	< .1
	856	2.1	---do---------	.004	< .001	----
9	857	1.4	Soil----------	.061	.005	< .1
	858	1.0	Sandstone-----	.041	.035	< .1
	859	1.0	---do---------	.006	.004	< .1
	860	1.0	---do---------	.004	< .001	----
	861	1.1	---do---------	.011	.022	----
	862	.6	---do---------	.010	.015	< .1
10	825	.8	Soil----------	.11	.13	< .1
	826	1.0	Sandstone-----	.32	.24	< .1
	827	1.0	---do---------	.39	.45	.11
	828	1.4	---do---------	.12	.077	.11
11	840	2.8	Soil----------	.039	< .001	< .1
	841	1.1	Sandstone-----	.084	.005	< .1
	842	1.0	---do---------	.012	< .001	< .1
	843	1.0	---do---------	.014	< .001	< .1
	844	1.1	---do---------	.007	< .001	< .1
	845	.5	---do---------	.006	< .001	< .1
12	816	1.9	Soil----------	n.d.	n.d.	n.d.
	817	1.0	Sandstone-----	.12	.028	< .1
	818	1.0	---do---------	.098	.042	< .1
	819	.9	---do---------	.064	.027	< .1
13	820	1.5	Soil----------	.037	.002	< .1
	821	1.0	Sandstone-----	.086	.002	< .1
	822	1.0	---do---------	.25	.11	< .1
	823	1.0	---do---------	.18	.10	< .1
	824	.7	---do---------	.19	.083	< .1
14	864	1.3	---do---------	.14	.010	< .1
	866	1.0	---do---------	.20	.19	< .1
	867	.6	---do---------	.36	.44	< .1
Discovery pit (west end).	209909	.2	Grab sample of sandstone.	1.9	3.9	n.d.
	910	.2	---do---------	1.4	2.76	n.d.
	911	3.2	Sandstone-----	.48	.68	n.d.
Discovery pit (east end).	211318	3.2	---do---------	.42	.59	.12
	317	.9	---do---------	1.40	2.51	.92
	316	.05	---do---------	.58	1.07	.45
	315	.6	Shale----------	.20	.17	.14
	314	.1	---do---------	.20	.18	< .1
Sample pit 1	306	1.0	Soil----------	.007	< .001	< .1
	307	1.0	Sandstone-----	.031	< .001	< .1
	308	1.2	---do---------	.026	< .001	< .1
	309	2.0	---do---------	.029	.001	< .1
	310	2.0	---do---------	.036	.001	< .1
	311	.5	Shale----------	.018	.001	< .1
Sample pit 2	216382	.5	Carbonaceous shale.	.075	.010	n.d.
	383	1.3	Sandstone-----	.035	.005	n.d.
	384	1.0	---do---------	.005	.003	n.d.
	385	1.0	---do---------	.003	< .001	n.d.
	386	1.0	---do---------	.004	.001	n.d.
	387	1.0	---do---------	.002	.001	n.d.