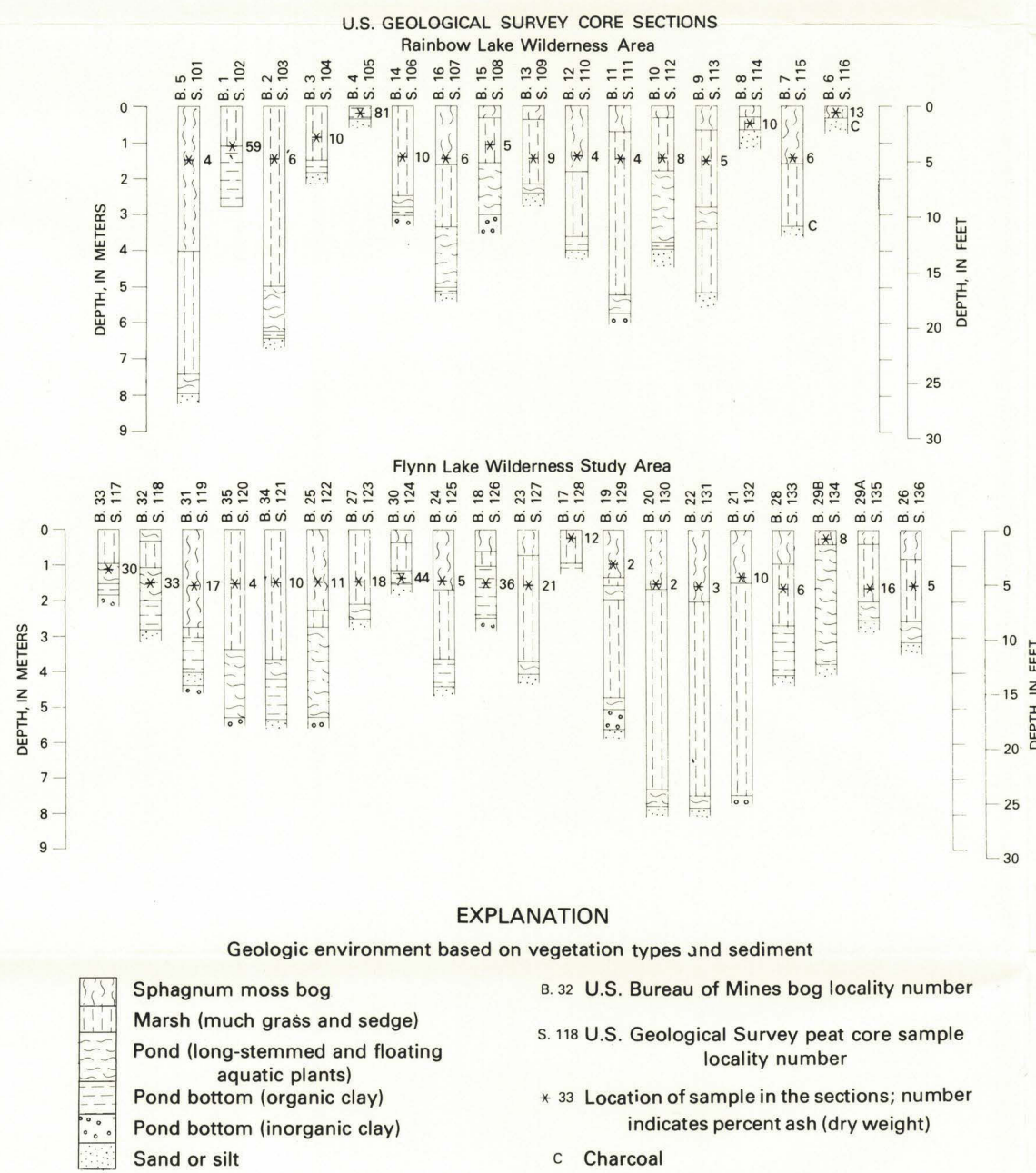


INFORMATION ON PEAT SAMPLES COLLECTED FROM THE RAINBOW LAKE WILDERNESS AREA AND FLYNN LAKE WILDERNESS STUDY AREA

[Analyses by the U.S. Geological Survey, Reston, Va. Localities shown on adjacent maps A and B]

Bog No. as shown on map	Sample and core No.	Ash content, in percent dry weight	Trace elements, in parts per million				Geological environment of sample
			Cu	Zn	Ni	Pb	
B. 1	S. 102	59	160	140	23	16	Pond bottom
B. 2	S. 103	6	>3,200	2,400	170	320	Marsh
B. 3	S. 104	10	620	370	67	130	do
B. 4	S. 105	81	230	120	58	16	Pond bottom
B. 5	S. 101	4	>3,200	4,600	1,600	390	Sphagnum bog
B. 6	S. 116	13	130	240	37	170	do
B. 7	S. 115	6	1,500	1,100	100	260	Sphagnum bog
B. 8	S. 114	10	390	160	48	67	Marsh
B. 9	S. 113	5	580	550	93	170	do
B. 10	S. 112	8	640	320	150	83	do
B. 11	S. 111	4	>3,200	3,600	230	180	do
B. 12	S. 110	4	500	450	81	260	Sphagnum bog
B. 13	S. 109	9	1,100	890	140	140	Marsh
B. 14	S. 106	10	1,200	660	230	230	do
B. 15	S. 108	5	880	600	190	180	do
B. 16	S. 107	6	>3,200	1,800	730	140	Sphagnum bog
B. 17	S. 128	12	81	71	17	54	Marsh
B. 18	S. 126	36	480	300	56	58	Pond bottom
B. 19	S. 129	2	1,200	2,500	370	130	Sphagnum bog
B. 20	S. 130	2	320	360	140	65	do
B. 21	S. 132	10	230	110	47	26	do
B. 22	S. 131	3	410	340	140	100	do
B. 23	S. 127	21	290	200	53	38	Marsh
B. 24	S. 125	5	1,600	1,300	310	130	Sphagnum bog
B. 25	S. 122	11	>3,200	2,800	260	150	do
B. 26	S. 136	5	700	670	96	61	Marsh
B. 27	S. 123	18	240	160	54	54	do
B. 28	S. 133	6	560	820	210	67	do
B. 29A	S. 135	16	250	220	54	29	do
B. 29B	S. 134	8	410	630	100	180	Sphagnum bog
B. 30	S. 124	44	110	31	21	60	Pond bottom
B. 31	S. 119	17	210	71	41	64	Sphagnum bog
B. 32	S. 118	33	640	300	79	39	Pond
B. 33	S. 117	30	110	570	110	45	do
B. 34	S. 121	10	1,700	1,100	430	52	Marsh
B. 35	S. 120	4	1,600	920	100	240	do



ASH CONTENT, THICKNESS, AREA, AND QUANTITY OF COMMERCIAL-QUALITY PEAT DEPOSITS

Bog No.	Ash content, in percent dry weight	Average thickness, in feet	Area, in acres	Short tons air-dried peat
B. 2	5.5	14	2	5,600
B. 5	3.9	15	2	6,000
B. 7	5.6	8	12	19,200
B. 9	4.8	12	20	48,000
B. 10	8.1	10	10	20,000
B. 11	3.8	15	2	6,000
B. 12	4.2	10	2	4,000
B. 13	8.7	6	40	48,000
B. 14	9.9	5	3	3,000
B. 15	5.4	6	10	12,000
B. 16	6.0	12	12	28,000
B. 19	1.9	15	3	9,000
B. 20	2.2	20	3	12,000
B. 21	10.0	20	25	100,000
B. 22	3.2	20	7	28,000
B. 23	20.5	10	2	4,000
B. 24	4.7	10	2	4,000
B. 25	11.0	8	15	24,000
B. 26	4.7	5	15	15,000
B. 27	17.6	8	5	8,000
B. 28	6.1	8	8	12,800
B. 29	12.0	5	5	5,000
B. 31	16.6	8	10	16,000
B. 34	10.2	10	12	24,000
B. 35	3.8	10	25	50,000
Total			252	511,600

ASH CONTENT, THICKNESS, AREA, AND QUANTITY OF NONCOMMERCIAL-QUALITY PEAT DEPOSITS

Bog No.	Ash content, in percent dry weight	Average thickness, in feet	Area, in acres
B. 1	59.3	2	2
B. 3	9.6	2.5	6
B. 4	81.3	0	7
B. 6	13.4	1	9
B. 8	9.8	1	2
B. 17	11.9	1	15
B. 30	43.8	5	12
B. 32	32.7	6	3
B. 33	29.6	3	4

A. GENERALIZED GEOLOGIC MAP SHOWING TRACE-ELEMENT AND ASH CONTENTS AT PEAT, ROCK, CLAY, AND SOIL SAMPLE LOCALITIES

B. DISTRIBUTION OF PEAT AND SAND AND GRAVEL AND LOCALITIES OF U.S. BUREAU OF MINES PEAT SAMPLES AND U.S. GEOLOGICAL SURVEY CORE SECTIONS

MAPS, TABLES, AND SECTIONS GIVING INFORMATION ON THE DISTRIBUTION, THICKNESS, AND TRACE-ELEMENT CONTENT OF COMMERCIAL-QUALITY AND OTHER PEAT IN THE RAINBOW LAKE WILDERNESS AREA AND FLYNN LAKE WILDERNESS STUDY AREA, BAYFIELD COUNTY, WISCONSIN