

- EXPLANATION**
- mv Mafic volcanic unit
 - g Granitic unit
 - %Ash ● Cu U.S. Geological Survey peat sample locality showing copper (Cu), lead (Pb), and zinc (Zn) contents (ppm) and percent of ash after combustion of peat
 - X Cu U.S. Geological Survey soil sample locality showing copper (Cu), lead (Pb), and zinc (Zn) contents
 - Contact—Dotted where inferred
 - - - Boundary of study area
 - %Ash ○ Cu U.S. Bureau of Mines peat sample locality showing copper (Cu), lead (Pb), and zinc (Zn) contents (ppm) and percent of ash after combustion of peat
 - X Pb U.S. Bureau of Mines peat sample locality showing copper (Cu), lead (Pb), and zinc (Zn) contents
 - Zn U.S. Bureau of Mines peat sample locality showing copper (Cu), lead (Pb), and zinc (Zn) contents
 - Contact—Dotted where inferred
 - - - Boundary of study area

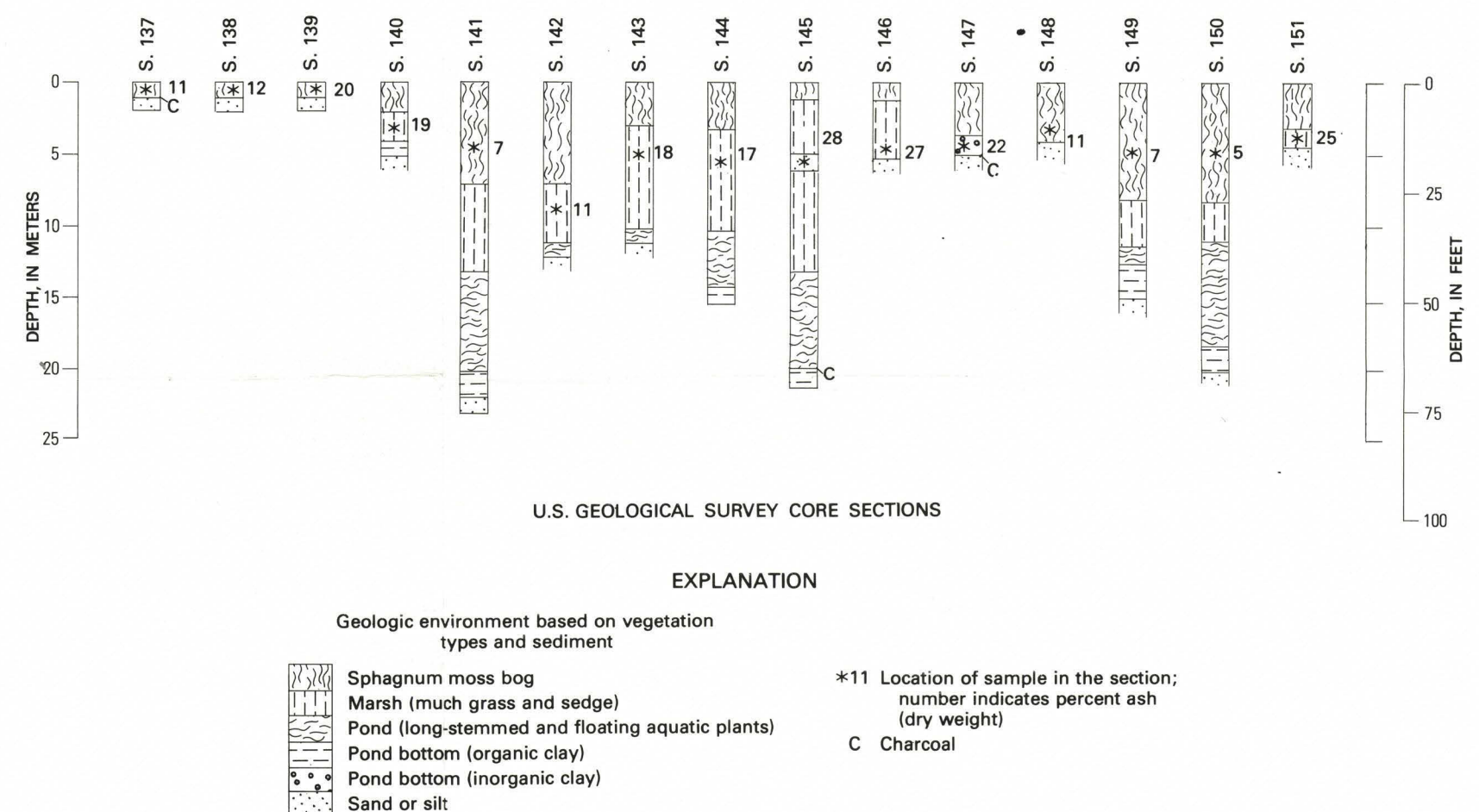
- EXPLANATION**
- ▨ Peat (Holocene)—Commercial-quality; average thickness greater than 5 feet, ash content less than 25 percent dry weight
 - ▩ Peat and muck (Holocene)—Average thickness less than 5 feet; ash content greater than 25 percent dry weight
 - Sand and gravel (Pleistocene)
 - U.S. Geological Survey peat-sample site and number
 - U.S. Bureau of Mines peat-sample locality and bog number
 - Contact
 - - - Boundary of study area

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

B. MAP SHOWING DISTRIBUTION OF PEAT AND SAND AND GRAVEL, AND PEAT SAMPLE LOCALITIES.

INFORMATION ON PEAT SAMPLES COLLECTED FROM THE ROUND LAKE WILDERNESS STUDY AREA
[Analyses by the U.S. Geological Survey, Reston, Va. Localities of samples shown on adjacent maps A and B]

Sample and core locality No.	Depth of section, in feet	Thickness of commercial-quality peat, in feet	General type of peat	Trace elements, in parts per million			
				Cu	Zn	Ni	Pb
S. 137	2	1	Sphagnum	110	41	25	36
S. 138	2	1	do.	110	77	21	35
S. 139	2	1	do.	81	81	17	76
S. 140	6	3	Reed-sedge	430	250	120	33
S. 141	23	15	Sphagnum	220	320	53	47
S. 142	13	11	Reed-sedge	200	200	55	45
S. 143	12	9	do.	190	75	29	16
S. 144	15	7	do.	190	190	31	22
S. 145	21	10	do.	540	700	70	330
S. 146	6	4	do.	140	110	30	18
S. 147	6	5	do.	110	58	19	18
S. 148	5	4	Sphagnum	540	470	140	42
S. 149	16	11	do.	510	250	110	69
S. 150	21	11	do.	290	170	36	16
S. 151	6	5	Sphagnum and reed-sedge	610	480	170	45



- EXPLANATION**
- Geologic environment based on vegetation types and sediment
 - ▨ Sphagnum moss bog
 - ▩ Marsh (much grass and sedge)
 - ▧ Pond (long-stemmed and floating aquatic plants)
 - ▦ Pond bottom (organic clay)
 - ▥ Pond bottom (inorganic clay)
 - ▤ Sand or silt
 - *11 Location of sample in the section; number indicates percent ash (dry weight)
 - C Charcoal

MAPS, TABLE, AND SECTIONS GIVING INFORMATION ON THE DISTRIBUTION, THICKNESS, AND TRACE-ELEMENT CONTENT OF COMMERCIAL-QUALITY AND OTHER PEAT IN THE ROUND LAKE WILDERNESS STUDY AREA, PRICE AND VILAS COUNTIES, WISCONSIN