



United States Department of the Interior

GEOLOGICAL SURVEY
Water Resources Division
1819 North Meridian St.
Indianapolis, Ind. 46202
(317) 269-7101

*Rec'd
5/28/80
RFG*

May 23, 1980

Mr. Robert P. Geckler
Environmental Projects Branch
Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Geckler:

Enclosed are two tables of water levels measured in the Great Marsh, near Cowles Bog, recently. The earlier water levels were measured prior to sampling the wells for water-quality analysis. The water levels helped us determine which of the wells would be sampled. The later water levels were measured at the time of sampling and, therefore, not all wells are included. Please feel free to contact us if you have any questions about this data.

For the District Chief.

Sincerely yours,

Lee R. Watson

Lee R. Watson
Hydrologic Technician

Enclosures

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5/11*

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Great Marsh Water Levels west of Mineral Springs Road, 4/16/80 - 5/1/80

<u>GM Well #</u>	<u>Depth to water inside</u>	<u>Depth to water outside</u>	<u>Inside W/L elevation</u>	<u>Outside W/L elevation</u>	<u>Date</u>
1	3.08	3.06	605.24	605.26	5-1
2	4.15	4.24	603.70	603.61	4-29
4A	2.88	2.82	603.11	603.17	4-24
4B	2.70	2.90	603.04	602.84	4-23
4C	+0.61	NA	603.15	NA	4-22
5	3.56	3.44	602.35	602.47	4-29
38	0.10	1.42	608.67	607.35	4-23
39	1.90	1.90	602.66	602.66	4-23
44	3.78	3.78	603.61	603.61	4-23
45	2.03	2.04	603.83	603.82	4-22
46	0.75	3.70	608.48	605.53	4-22

Great Marsh Water Levels west of Mineral Springs Road, 4/7/80 - 4/9/80

<u>GM Well #</u>	<u>Depth to water inside</u>	<u>Depth to water outside</u>	<u>Stick-up</u>	<u>Inside W/L elevation</u>	<u>Outside W/L elevation</u>	<u>Date</u>
1	3.00	3.00	4.6	605.32	605.32	9
2	3.93	3.87	3.5	603.92	603.98	9
3	2.01	2.01	3.6	602.49	602.49	9
4A	2.77	2.69	3.2	603.22	603.30	9
4B	2.60	2.75	2.9	603.14	602.99	8
4C	+0.76	NA	1.3	608.70	NA	8
5	3.35	3.33	3.8	602.56	602.58	9
38	+0.05	1.09	1.2	608.82	607.68	8
39	1.76	1.73	1.9	602.80	602.83	8
40	0.14	NA	2.1	607.50	NA	8
41	2.44	2.44	2.6	603.52	603.52	8
42	1.71	NA	2.6	608.15	NA	8
43	3.44	3.57	3.6	604.33	604.20	8
44	3.61	3.61	3.8	603.78	603.78	8
45	1.86	1.85	2.4	604.00	604.01	8
46	0.71	3.48	3.3	608.52	605.75	8

Explanation:

Depth to water inside: depth to water inside casing, measured from top of casing.

Depth to water outside: depth to water outside casing, measured from top of casing. If there was no standing water, a small hole was dug, to water, in the mat adjacent to the casing. NA - not available.

Stick-up: height of top of casing above mat.

Inside W/L Elev.: elevation of water level inside of casing.

Outside W/L Elev.: elevation of water level outside of casing.

Datum is National Geodetic Vertical Datum of 1929.

Use published correction for conversion from N.G.V.D. to I.G.L.D.