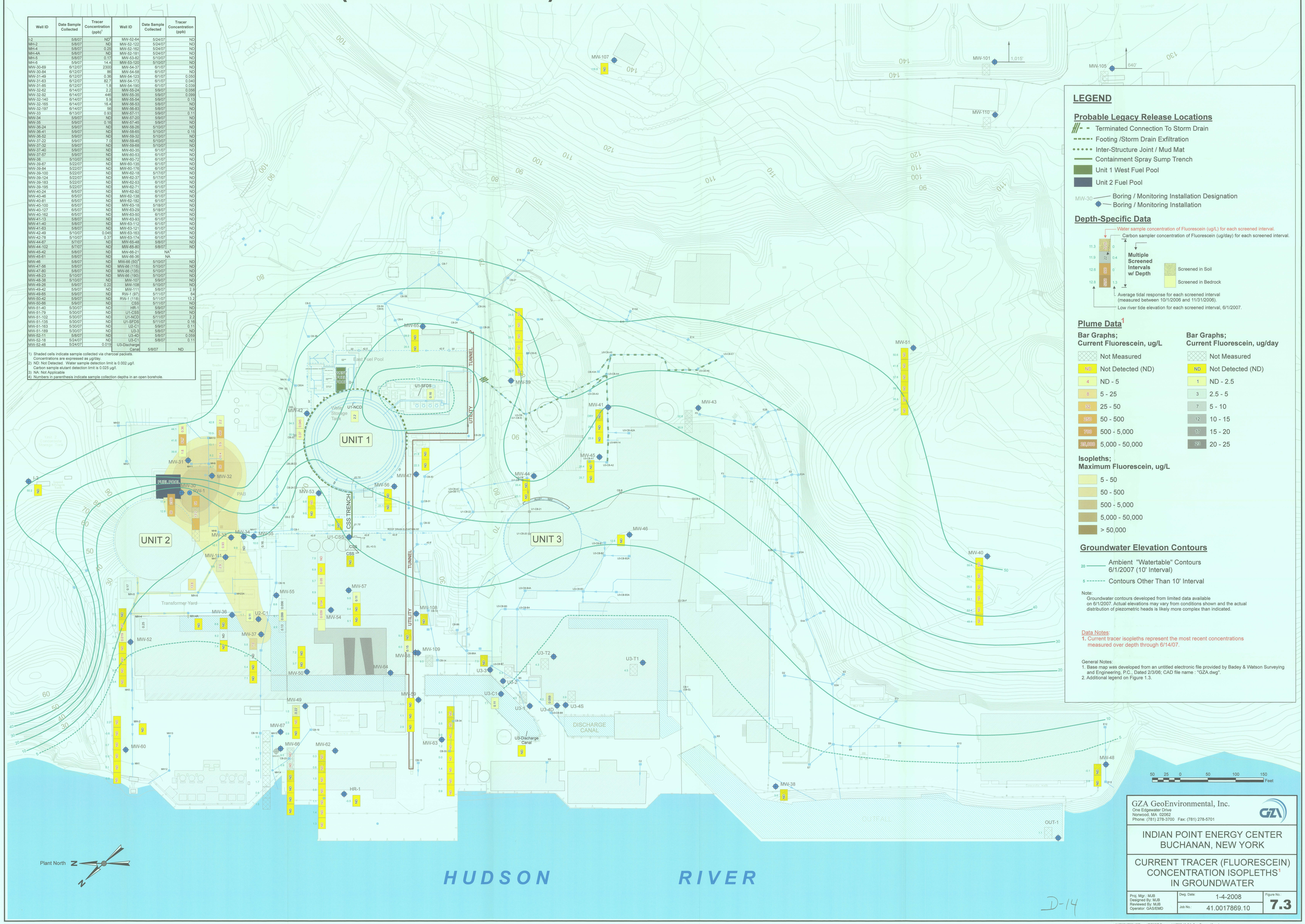
CURRENT TRACER (FLUORESCEIN) CONCENTRATION ISOPLETHS[1] IN GROUNDWATER

Well ID	Date Sample Collected	Tracer Concentration (ppb)[1]	Well ID	Date Sample Collected	Tracer Concentration (ppb)
I-2	5/8/07	ND[2]	MW-52-64	5/24/07	ND
MH-2	5/8/07	ND	MW-52-122	5/24/07	ND
MH-4	5/8/07	0.25	MW-52-162	5/24/07	ND
MH-4A	5/8/07	ND	MW-52-181	5/24/07	ND
MH-5	5/8/07	0.17	MW-53-82	5/10/07	ND
MH-6	5/9/07	14.4	MW-53-120	5/10/07	ND
MW-30-69	6/12/07	2300	MW-54-37	6/1/07	ND
MW-30-84	6/12/07	86	MW-54-58	6/1/07	ND
MW-31-49	6/12/07	0.36	MW-54-123	6/1/07	0.050
MW-31-63	6/12/07	82.7	MW-54-173	6/1/07	0.040
MW-31-85	6/12/07	1.8	MW-54-190	6/1/07	0.030
MW-32-62	6/14/07	2.2	MW-55-24	5/9/07	0.056
MW-32-92	6/14/07	446	MW-55-35	5/9/07	0.099
MW-32-140	6/14/07	5.9	MW-55-54	5/9/07	0.13
MW-32-165	6/14/07	16.4	MW-56-53	5/8/07	ND
MW-32-197	6/14/07	56	MW-56-83	5/8/07	ND
MW-33	5/13/07	0.93	MW-57-11	5/8/07	0.11
MW-34	5/9/07	ND	MW-57-20	5/9/07	ND
MW-35	5/9/07	0.16	MW-57-45	5/9/07	ND
MW-36-24	5/9/07	ND	MW-58-26	5/10/07	ND
MW-36-41	5/9/07	ND	MW-58-65	5/10/07	0.15
MW-36-52	5/9/07	ND	MW-59-32	5/10/07	ND
MW-37-22	5/9/07	7.0	MW-59-45	5/10/07	ND
MW-37-32	5/9/07	ND	MW-59-68	5/10/07	ND
MW-37-40	5/9/07	ND	MW-60-35	6/1/07	ND
MW-37-57	5/9/07	ND	MW-60-53	6/1/07	ND
MW-38	5/10/07	ND	MW-60-72	6/1/07	ND
MW-39-67	5/22/07	ND	MW-60-135	6/1/07	ND
MW-39-84	5/22/07	ND	MW-60-176	6/1/07	ND
MW-39-100	5/22/07	ND	MW-62-18	5/17/07	ND
MW-39-124	5/22/07	ND	MW-62-37	5/17/07	ND
MW-39-183	5/22/07	ND	MW-62-53	6/1/07	ND
MW-39-195	5/22/07	ND	MW-62-71	6/1/07	ND
MW-40-24	6/5/07	ND	MW-62-92	6/1/07	ND
MW-40-46	6/5/07	ND	MW-62-138	6/1/07	ND
MW-40-81	6/5/07	ND	MW-62-182	6/1/07	ND
MW-40-100	6/5/07	ND	MW-63-18	5/18/07	ND
MW-40-127	6/5/07	ND	MW-63-29	5/18/07	ND
MW-40-162	6/5/07	ND	MW-63-50	6/1/07	ND
MW-41-13	5/8/07	ND	MW-63-93	6/1/07	ND
MW-41-40	5/8/07	ND	MW-63-112	6/1/07	ND
MW-41-63	5/8/07	ND	MW-63-121	6/1/07	ND
MW-42-49	5/10/07	0.045	MW-63-163	6/1/07	ND
MW-42-78	5/10/07	0.37	MW-63-174	6/1/07	ND
MW-44-67	5/7/07	ND	MW-65-48	5/8/07	ND
MW-44-102	5/7/07	ND	MW-65-80	5/8/07	ND
MW-45-42	5/8/07	ND	MW-66-21	NA[3]	
MW-45-61	5/8/07	ND	MW-66-36	NA	
MW-46	5/8/07	ND	MW-66 (60)[4]	5/10/07	ND
MW-47-56	5/8/07	ND	MW-66 (115)	5/10/07	ND
MW-47-80	5/8/07	ND	MW-66 (135)	5/10/07	ND
MW-48-23	5/10/07	ND	MW-66 (190)	5/10/07	ND
MW-48-38	5/10/07	ND	MW-107	5/9/07	ND
MW-49-26	5/9/07	0.22	MW-108	5/10/07	ND
MW-49-42	5/9/07	ND	MW-111	5/9/07	2.9
MW-49-65	5/9/07	ND	RW-1 (97)	5/11/07	64
MW-50-42	5/9/07	ND	RW-1 (118)	5/11/07	13.2
MW-50-66	5/9/07	ND	CSS	5/11/07	ND
MW-51-40	5/30/07	ND	HR-1	5/9/07	ND
MW-51-79	5/30/07	ND	U1-CSS	5/9/07	ND
MW-51-102	5/30/07	ND	U1-NCD	5/11/07	2.2
MW-51-135	5/30/07	ND	U1-SFDS	5/11/07	0.16
MW-51-163	5/30/07	ND	U2-C1	5/8/07	0.11
MW-51-189	5/30/07	ND	U3-3	5/8/07	ND
MW-52-11	5/8/07	ND	U3-4D	5/8/07	0.059
MW-52-18	5/24/07	ND	U3-C1	5/8/07	0.11
MW-52-48	5/24/07	0.019	U3-Discharge Canal	5/8/07	ND

1) Shaded cells indicate sample collected via charcoal packets. Concentrations are expressed as µg/day.
2) ND: Not Detected. Water sample detection limit is 0.002 µg/l. Carbon sample elutant detection limit is 0.025 µg/l.
3) NA: Not Applicable
4) Numbers in parenthesis indicate sample collection depths in an open borehole.



LEGEND

Probable Legacy Release Locations

- Terminated Connection To Storm Drain
- Footing /Storm Drain Exfiltration
- Inter-Structure Joint / Mud Mat
- Containment Spray Sump Trench
- Unit 1 West Fuel Pool
- Unit 2 Fuel Pool

MW-30 — Boring / Monitoring Installation Designation
Boring / Monitoring Installation

Depth-Specific Data

Plume Data[1]

Bar Graphs; Current Fluorescein, ug/L

- Not Measured
- ND — Not Detected (ND)
- 4 — ND - 5
- 8 — 5 - 25
- 32 — 25 - 50
- 240 — 50 - 500
- 800 — 500 - 5,000
- 28,000 — 5,000 - 50,000

Bar Graphs; Current Fluorescein, ug/day

- Not Measured
- ND — Not Detected (ND)
- 1 — ND - 2.5
- 3 — 2.5 - 5
- 7 — 5 - 10
- 12 — 10 - 15
- 17 — 15 - 20
- 23 — 20 - 25

Isopleths; Maximum Fluorescein, ug/L

- 5 - 50
- 50 - 500
- 500 - 5,000
- 5,000 - 50,000
- > 50,000

Groundwater Elevation Contours

- 20 — Ambient "Watertable" Contours 6/1/2007 (10' Interval)
- 5 — Contours Other Than 10' Interval

Note:
Groundwater contours developed from limited data available on 6/1/2007. Actual elevations may vary from conditions shown and the actual distribution of piezometric heads is likely more complex than indicated.

Data Notes:
1. Current tracer isopleths represent the most recent concentrations measured over depth through 6/14/07.

General Notes:
1. Base map was developed from an untitled electronic file provided by Badey & Watson Surveying and Engineering, P.C., Dated 2/3/06; CAD file name : "GZA.dwg".
2. Additional legend on Figure 1.3.

50 25 0 50 100 150 Feet

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INDIAN POINT ENERGY CENTER
BUCHANAN, NEW YORK

CURRENT TRACER (FLUORESCEIN) CONCENTRATION ISOPLETHS[1] IN GROUNDWATER

Proj. Mgr.: MJB Designed By: MJB Reviewed By: MJB Operator: GAS/EMD	Dwg. Date: 1-4-2008 Job No.: 41.0017869.10	Figure No.: 7.3

D-14

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