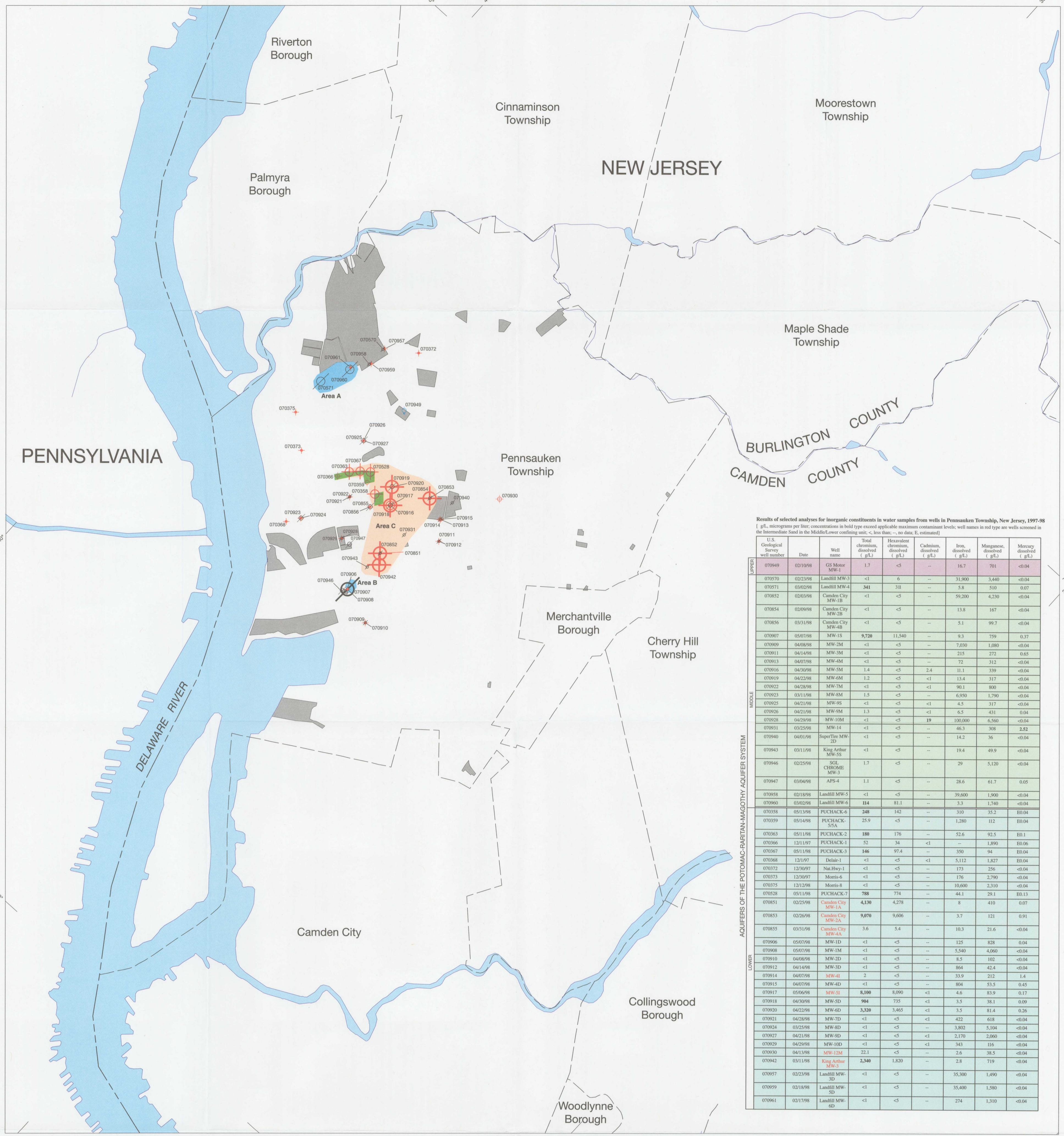


U.S. DEPARTMENT OF THE INTERIOR
 U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
 NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



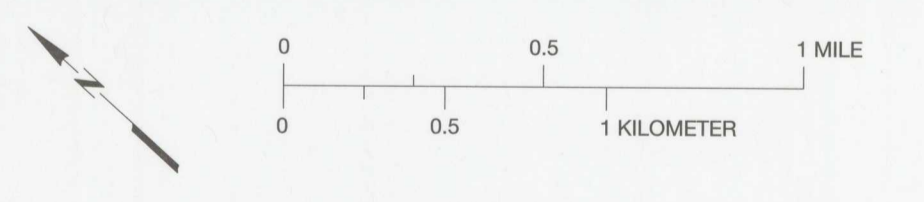
Results of selected analyses for inorganic constituents in water samples from wells in Pennsauken Township, New Jersey, 1997-98
 (µg/L, micrograms per liter; concentrations in bold type exceed applicable maximum contaminant levels; well names in red type are wells screened in the Intermediate Sand in the Middle/Lower confining unit; <, less than; --, no data; E, estimated)

U.S. Geological Survey well number	Date	Well name	Total chromium, dissolved (µg/L)	Hexavalent chromium, dissolved (µg/L)	Cadmium, dissolved (µg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)	Mercury, dissolved (µg/L)
070949	02/10/98	GS Motor MW-1	1.7	<1	--	16.7	701	<0.04
070570	02/23/98	Landfill MW-3	<1	6	--	31,900	3,440	<0.04
070571	03/02/98	Landfill MW-4	341	311	--	5.8	510	0.07
070852	02/03/98	Camden City MW-1B	<1	<5	--	59,200	4,230	<0.04
070854	02/09/98	Camden City MW-2B	<1	<5	--	13.8	167	<0.04
070856	03/31/98	Camden City MW-4B	<1	<5	--	5.1	99.7	<0.04
070907	05/07/98	MW-1S	9,720	11,540	--	9.3	759	0.37
070909	04/08/98	MW-2M	<1	<5	--	7,030	1,080	<0.04
070911	04/14/98	MW-3M	<1	<5	--	215	272	0.65
070913	04/07/98	MW-4M	<1	<5	--	72	312	<0.04
070916	04/30/98	MW-5M	1.4	<5	2.4	11.1	339	<0.04
070919	04/22/98	MW-6M	1.2	<5	<1	13.4	317	<0.04
070922	04/28/98	MW-7M	<1	<5	<1	90.1	800	<0.04
070923	03/11/98	MW-8M	1.5	<5	--	6,950	1,790	<0.04
070925	04/21/98	MW-9S	<1	<5	<1	4.5	317	<0.04
070926	04/21/98	MW-9M	1.3	<5	<1	6.5	431	0.04
070928	04/29/98	MW-10M	<1	<5	19	100,000	6,560	<0.04
070931	03/25/98	MW-14	<1	<5	--	46.3	308	2.52
070940	04/01/98	Super Type MW-2D	<1	<5	--	14.2	36	<0.04
070943	03/11/98	King Arthur MW-5S	<1	<5	--	19.4	49.9	<0.04
070946	02/25/98	SOIL CHROMIUM MW-3	1.7	<5	--	29	5,120	<0.04
070947	03/04/98	APS-4	1.1	<5	--	28.6	61.7	0.05
070958	02/18/98	Landfill MW-5	<1	<5	--	39,600	1,900	<0.04
070960	03/02/98	Landfill MW-6	114	81.1	--	3.3	1,740	<0.04
070358	05/13/98	PUCHACK-6	248	142	--	310	35.2	E0.04
070359	05/14/98	PUCHACK-5SA	25.9	<5	--	1,280	112	E0.04
070363	05/11/98	PUCHACK-2	180	176	--	52.6	92.5	E0.1
070366	12/11/97	PUCHACK-1	52	34	<1	--	1,890	E0.06
070367	05/11/98	PUCHACK-3	146	97.4	--	359	94	E0.04
070368	12/11/97	Delair-1	<1	<5	<1	5,112	1,827	E0.04
070372	12/30/97	Nat Hwy-1	<1	<5	--	173	256	<0.04
070373	12/30/97	Morris-6	<1	<5	--	176	2,790	<0.04
070375	12/12/98	Morris-8	<1	<5	--	10,660	2,310	<0.04
070528	05/11/98	PUCHACK-7	788	774	--	44.1	29.1	E0.13
070851	02/25/98	Camden City MW-1A	4,130	4,278	--	8	410	0.07
070853	02/26/98	Camden City MW-2A	9,070	9,606	--	3.7	121	0.91
070855	03/31/98	Camden City MW-4A	3.6	5.4	--	10.3	21.6	<0.04
070906	05/07/98	MW-1D	<1	<5	--	125	828	0.04
070908	05/07/98	MW-1M	<1	<5	--	5,540	4,060	<0.04
070910	04/08/98	MW-2D	<1	<5	--	8.5	102	<0.04
070912	04/14/98	MW-3D	<1	<5	--	864	42.4	<0.04
070914	04/07/98	MW-4I	2	<5	--	33.9	212	1.4
070915	04/07/98	MW-4D	<1	<5	--	804	53.5	0.45
070917	05/06/98	MW-5I	8,100	8,090	<1	4.6	83.9	0.17
070918	04/30/98	MW-5D	904	735	<1	3.5	38.1	0.09
070920	04/22/98	MW-6D	3,320	3,465	<1	3.5	81.4	0.26
070921	04/28/98	MW-7D	<1	<5	<1	422	618	<0.04
070924	03/25/98	MW-8D	<1	<5	--	3,802	5,104	<0.04
070927	04/21/98	MW-9D	<1	<5	<1	2,170	2,060	<0.04
070929	04/29/98	MW-10D	<1	<5	<1	343	116	<0.04
070930	04/13/98	MW-12M	22.1	<5	--	2.6	38.5	<0.04
070942	03/11/98	King Arthur MW-3	2,340	1,820	--	2.8	719	<0.04
070957	02/23/98	Landfill MW-3D	<1	<5	--	35,300	1,490	<0.04
070959	02/18/98	Landfill MW-5D	<1	<5	--	35,400	1,580	<0.04
070961	02/17/98	Landfill MW-6D	<1	<5	--	274	1,310	<0.04

EXPLANATION

Total-chromium concentration
 [All values in micrograms per liter (parts per billion); <, less than]

	Puchack well field			
	Known contaminant site (Locations determined from unpublished data available at N.J. Department of Environmental Protection, Trenton, N.J., 1996)			
	Area in which concentrations of chromium exceed 100 micrograms per liter in the Middle aquifer of the Potomac-Raritan-Magothy aquifer system			
	Area in which concentrations of chromium exceed 100 micrograms per liter in the Lower aquifer of the Potomac-Raritan-Magothy aquifer system			
070930	Well number			
		UPPER POTOMAC-RARITAN-MAGOTHY AQUIFER	MIDDLE POTOMAC-RARITAN-MAGOTHY AQUIFER	LOWER POTOMAC-RARITAN-MAGOTHY AQUIFER
		<1	<1	<1
		1 to <100	1 to <100	1 to <100
		100 to <1,000	100 to <1,000	100 to <1,000
		1,000 to <10,000	1,000 to <10,000	1,000 to <10,000



Distribution of total chromium and other inorganic constituents in water from selected wells in the Potomac-Raritan-Magothy aquifer system, Pennsauken Township, Camden County, New Jersey, December 1, 1997-May 14, 1998

By
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 2004