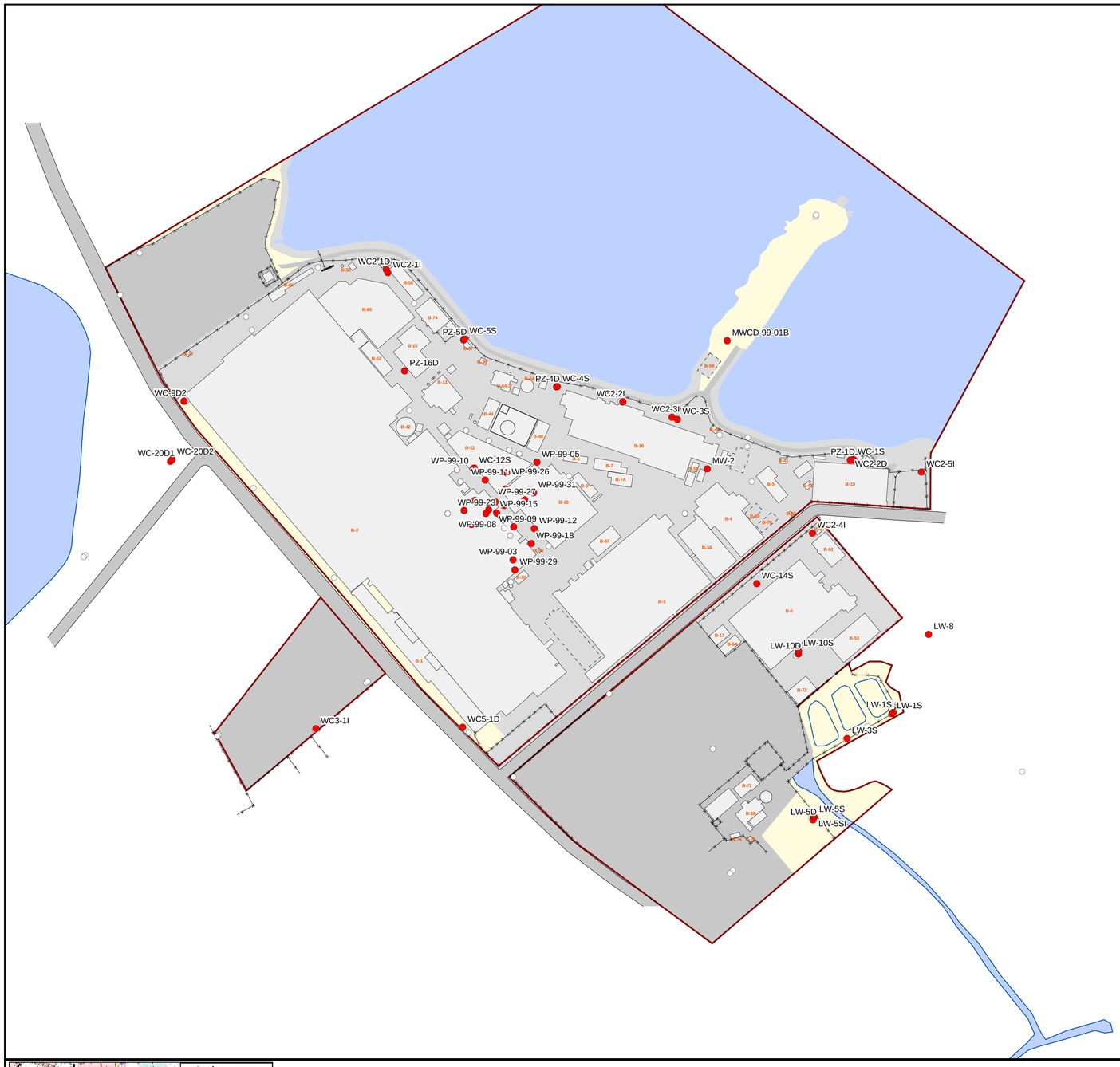
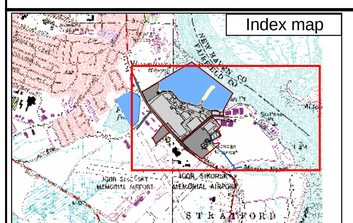


LOCATION	MID-DEPTH (FEET BGS)	ANALYTE	CONC (mg/L)	QUAL	CRITERIA VALUE
LW-10D	75	Arsenic	0.0106		0.004
LW-10S	9	Arsenic	0.0082	B	0.004
LW-1S	5	Arsenic	0.0097	B	0.004
LW-1SI	11.5	Arsenic	0.0041	B	0.004
LW-3S	5	Arsenic	0.0072	B	0.004
LW-5D	94.5	Arsenic	0.012	B	0.004
LW-5S	5	Arsenic	0.0524		0.004
LW-5SI	22	Arsenic	0.007	B	0.004
LW-8	5	Arsenic	0.0054	B	0.004
MW-2	8.5	Arsenic	0.017		0.004
MWCD-99-01B	55	Arsenic	0.0154		0.004
PZ-16D	26	Arsenic	0.0051	J	0.004
PZ-16D	26	Arsenic	0.0061		0.004
PZ-1D	29	Arsenic	0.0047	J	0.004
PZ-4D	34	Arsenic	0.018		0.004
PZ-4D	34	Lead	0.019		0.013
PZ-4D	34	Lead	0.0235		0.013
PZ-5D	38	Arsenic	0.038		0.004
PZ-5D	38	Arsenic	0.0495		0.004
WC-12S	8	Cyanide	0.078		0.052
WC-12S	8	Cyanide	0.221		0.052
WC-14S	8	Arsenic	0.0074		0.004
WC-1S	9	Arsenic	0.0061	J	0.004
WC-1S	9	Arsenic	0.0074		0.004
WC-20D1	40	Arsenic	0.0119		0.004
WC-20D2	40	Arsenic	0.0544		0.004
WC2-1D	145	Arsenic	0.024		0.004
WC2-1I	50	Arsenic	0.0086		0.004
WC2-2D	56.5	Arsenic	0.02		0.004
WC2-2D	56.5	Arsenic	0.0274		0.004
WC2-2D	56.5	Zinc	0.126		0.123
WC2-2I	50	Arsenic	0.0074	J	0.004
WC2-2I	50	Arsenic	0.0134		0.004
WC2-3I	50	Arsenic	0.0059	J	0.004
WC2-3I	50	Arsenic	0.0083		0.004
WC2-4I	30	Arsenic	0.0674		0.004
WC2-5I	35	Arsenic	0.0083		0.004
WC3-1I	35	Arsenic	0.0138		0.004
WC3-1I	35	Lead	0.0248		0.013
WC3-1I	35	Zinc	0.133		0.123
WC-3S	8	Arsenic	0.005	J	0.004
WC-4S	8	Arsenic	0.0055		0.004
WC-4S	8	Arsenic	0.0066		0.004
WC5-1D	79.5	Arsenic	0.0069		0.004
WC5-1D	79.5	Arsenic	0.0069		0.004
WC5-1D	79.5	Silver	0.05		0.012
WC-5S	8	Arsenic	0.0057		0.004
WC-9D2	145	Arsenic	0.05		0.004
WC-9D2	145	Arsenic	0.0651		0.004
WP-98-01	6	Chromium	5.2		1.2
WP-98-01	6	Hexavalent Chromium	10.4		0.11
WP-98-01	9	Chromium	5.2		1.2
WP-99-01	9	Copper	0.061		0.048
WP-99-02	10	Hexavalent Chromium	1		0.11
WP-99-02	18	Chromium	1.5		1.2
WP-99-02	18	Hexavalent Chromium	1.5		0.11
WP-99-02	26	Chromium	350		1.2
WP-99-02	26	Hexavalent Chromium	350		0.11
WP-99-02	32	Chromium	53.1		1.2
WP-99-02	32	Chromium	75		1.2
WP-99-02	32	Hexavalent Chromium	50.9		0.11
WP-99-02	32	Hexavalent Chromium	75		0.11
WP-99-03	7	Chromium	7		1.2
WP-99-03	7	Hexavalent Chromium	7		0.11
WP-99-03	13	Chromium	9		1.2
WP-99-03	13	Hexavalent Chromium	9		0.11
WP-99-03	23	Chromium	7.17		1.2
WP-99-03	23	Hexavalent Chromium	8.39		0.11
WP-99-03	28	Chromium	8		1.2
WP-99-03	28	Hexavalent Chromium	8		0.11
WP-99-04	8	Chromium	4.5		1.2
WP-99-04	8	Hexavalent Chromium	4.5		0.11
WP-99-04	18	Chromium	95		1.2
WP-99-04	18	Hexavalent Chromium	95		0.11
WP-99-04	24	Chromium	700		1.2
WP-99-04	24	Hexavalent Chromium	700		0.11
WP-99-05	58	Hexavalent Chromium	0.15		0.11
WP-99-07	8	Chromium	13.8		1.2
WP-99-07	8	Hexavalent Chromium	13.2		0.11
WP-99-08	10	Chromium	7		1.2
WP-99-08	10	Hexavalent Chromium	7		0.11
WP-99-08	17	Chromium	5		1.2
WP-99-08	17	Hexavalent Chromium	5		0.11
WP-99-08	23	Chromium	500		1.2
WP-99-08	23	Hexavalent Chromium	500		0.11
WP-99-08	28	Chromium	300		1.2
WP-99-08	28	Hexavalent Chromium	300		0.11
WP-99-08	33	Chromium	300		1.2
WP-99-08	33	Hexavalent Chromium	300		0.11
WP-99-08	38	Chromium	500		1.2

LOCATION	MID-DEPTH (FEET BGS)	ANALYTE	CONC (mg/L)	QUAL	CRITERIA VALUE
WP-99-08	38	Hexavalent Chromium	500		0.11
WP-99-08	43	Chromium	16		1.2
WP-99-08	43	Hexavalent Chromium	16		0.11
WP-99-09	9	Copper	0.085		0.048
WP-99-09	9	Hexavalent Chromium	0.669		0.11
WP-99-10	10	Hexavalent Chromium	0.6		0.11
WP-99-10	17	Hexavalent Chromium	0.9		0.11
WP-99-10	22	Chromium	4		1.2
WP-99-10	22	Hexavalent Chromium	4		0.11
WP-99-10	27	Chromium	4.5		1.2
WP-99-10	27	Hexavalent Chromium	4.5		0.11
WP-99-11	8	Hexavalent Chromium	0.25		0.11
WP-99-11	26	Chromium	50		1.2
WP-99-11	26	Chromium	55.2		1.2
WP-99-11	26	Hexavalent Chromium	50		0.11
WP-99-11	26	Hexavalent Chromium	54.2		0.11
WP-99-11	32	Chromium	41.2		1.2
WP-99-11	32	Chromium	41.7		1.2
WP-99-11	32	Chromium	42.1		1.2
WP-99-11	32	Chromium	60		1.2
WP-99-11	32	Cyanide	0.091		0.052
WP-99-11	32	Cyanide	0.092		0.052
WP-99-11	32	Hexavalent Chromium	42.1		0.11
WP-99-11	32	Hexavalent Chromium	60		0.11
WP-99-11	32	Hexavalent Chromium	67.5		0.11
WP-99-11	32	Hexavalent Chromium	68.1		0.11
WP-99-11	49	Cadmium	0.0066		0.006
WP-99-12	8	Copper	0.423		0.048
WP-99-12	22	Cyanide	0.182		0.052
WP-99-15	8	Chromium	17		1.2
WP-99-15	8	Hexavalent Chromium	17		0.11
WP-99-15	10	Chromium	4		1.2
WP-99-15	10	Hexavalent Chromium	4		0.11
WP-99-15	13	Chromium	3		1.2
WP-99-15	13	Hexavalent Chromium	3		0.11
WP-99-15	18	Chromium	8		1.2
WP-99-15	18	Hexavalent Chromium	8		0.11
WP-99-15	23	Chromium	150		1.2
WP-99-15	23	Hexavalent Chromium	150		0.11
WP-99-15	28	Cadmium	0.0173		0.006
WP-99-15	28	Chromium	360		1.2
WP-99-15	28	Chromium	433		1.2
WP-99-15	28	Cyanide	0.535		0.052
WP-99-15	28	Hexavalent Chromium	347		0.11
WP-99-15	28	Hexavalent Chromium	360		0.11
WP-99-15	32	Chromium	950		1.2
WP-99-15	32	Hexavalent Chromium	950		0.11
WP-99-15	38	Chromium	900		1.2
WP-99-15	38	Hexavalent Chromium	900		0.11
WP-99-15	42	Chromium	700		1.2
WP-99-15	42	Hexavalent Chromium	700		0.11
WP-99-15	48	Chromium	13		1.2
WP-99-15	48	Hexavalent Chromium	13		0.11
WP-99-18	10	Chromium	2.25		1.2
WP-99-18	10	Hexavalent Chromium	2.25		0.11
WP-99-18	17	Chromium	1.2		1.2
WP-99-18	17	Chromium	1.56		1.2
WP-99-18	17	Hexavalent Chromium	1.2		0.11
WP-99-18	17	Hexavalent Chromium	1.57		0.11
WP-99-18	22	Hexavalent Chromium	0.25		0.11
WP-99-20	17	Chromium	35		1.2
WP-99-20	17	Hexavalent Chromium	35		0.11
WP-99-20	22	Chromium	300		1.2
WP-99-20	22	Hexavalent Chromium	300		0.11
WP-99-20	27	Chromium	5.94		1.2
WP-99-20	27	Chromium	15		1.2
WP-99-20	27	Hexavalent Chromium	6.32		0.11
WP-99-20	27	Hexavalent Chromium	15		0.11
WP-99-20	32	Chromium	450		1.2
WP-99-20	32	Hexavalent Chromium	450		0.11
WP-99-20	38	Chromium	95		1.2
WP-99-20	38	Hexavalent Chromium	95		0.11
WP-99-23	17	Hexavalent Chromium	0.15		0.11
WP-99-23	23	Chromium	40		1.2
WP-99-23	23	Hexavalent Chromium	40		0.11
WP-99-26	10	Hexavalent Chromium	0.3		0.11
WP-99-26	17	Hexavalent Chromium	0.6		0.11
WP-99-26	24	Chromium	12		1.2
WP-99-26	24	Hexavalent Chromium	12		0.11
WP-99-27	10	Chromium	3.2		1.2
WP-99-27	10	Hexavalent Chromium	3.2		0.11
WP-99-27	14	Chromium	4.5		1.2
WP-99-27	14	Hexavalent Chromium	4.5		0.11
WP-99-29	38	Chromium	11		1.2
WP-99-29	38	Hexavalent Chromium	11		0.11
WP-99-31	10	Chromium	2.5		1.2
WP-99-31	10	Hexavalent Chromium	2.5		0.11
WP-99-31	17	Chromium	4.5		1.2
WP-99-31	17	Hexavalent Chromium	4.5		0.11
WP-99-31	22	Hexavalent Chromium	0.15		0.11



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0 100 200 400 Feet

Legend

- Inorganics Exceeding SWPC
- GW Samples Analyzed for Inorganics
- Demolished/Former Buildings
- Building
- Open Paved/Concrete Area
- Open Grassed Area
- Road/Parking Lot
- Water

Figure 8.2-44
Inorganics > Surface Water Protection Criteria in Groundwater

Remedial Investigation Report
Stratford Army Engine Plant
Stratford, Connecticut

Prepared by FJB | Checked by RTB

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MACTEC Engineering and Consulting, Inc.