

Tables

Table 1 - Groundwater and Surface Water Elevation Data - Aggregate Industries -- Chelsea Plant, Waterloo Township, Jackson County, Michigan

Location	Date	Coordinates		Well Depth (ft bgs)	Screen Depth (ft bgs)	Top of Casing (ft amsl)	Surface Water Elevation (ft amsl)	Depth to Water (ft bgs)	Static Water Level Elevation (ft amsl)	Comments
		Northing	Easting							
MW-1	8/29/2002	N42.32649	W084.13039	25	15-25	987.90		10.06	977.84	ASTI
	9/20/2002							10.96	976.94	ASTI
	1/26/2004							11.81	976.09	ASTI
	3/3/2004							11.69	976.21	ASTI
	4/19/2004							11.72	976.18	ASTI
	2/13/2006							10.83	977.07	FTC&H
	10/26/2006							9.64	978.26	FTC&H
	11/2/2006								---	Well Abandoned
	8/29/2002	N42.32887	W084.13489	30	20-30	990.10		14.08	976.02	ASTI
	9/20/2002							14.06	976.04	ASTI
1/26/2004							15.02	975.08	ASTI	
3/3/2004							14.91	975.19	ASTI	
4/19/2004							14.40	975.70	ASTI	
2/13/2006							14.23	975.87	FTC&H	
10/26/2006							15.47	974.63	FTC&H	
8/24/2007							13.74	976.36	FTC&H	
9/13/2007							13.59	976.51	FTC&H	
10/2/2007							13.93	976.17	FTC&H	
11/13/2007							13.50	976.60	FTC&H	
12/6/2007							13.30	976.80	FTC&H	
1/9/2008							12.57	977.53	FTC&H	
2/15/2008							12.29	977.81	FTC&H	
3/14/2008							12.23	977.87	FTC&H	
4/4/2008							12.36	977.74	FTC&H	
5/29/2008							13.23	976.87	FTC&H	
6/17/2008							13.13	976.97	FTC&H	
MW-3	8/29/2002	N42.31787	W084.14101	30	20-30	996.80		15.72	981.08	ASTI
	9/20/2002							16.18	980.62	ASTI
	1/26/2004							17.45	979.35	ASTI
	3/3/2004							17.49	979.31	ASTI
	4/19/2004							16.92	979.88	ASTI
	2/13/2006							16.24	980.56	FTC&H
	10/26/2006							15.80	981.00	FTC&H
	8/24/2007							14.54	982.26	FTC&H
	9/13/2007							14.68	982.12	FTC&H
	10/2/2007							14.89	981.91	FTC&H
11/13/2007							15.28	981.52	FTC&H	
12/6/2007							15.27	981.53	FTC&H	
1/9/2008							14.66	982.14	FTC&H	
2/15/2008							14.24	982.56	FTC&H	
3/14/2008							14.01	982.79	FTC&H	
4/4/2008							13.74	983.06	FTC&H	
5/29/2008							14.30	982.50	FTC&H	
6/17/2008							14.33	982.47	FTC&H	

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		Northing	Easting							
MW-4	8/29/2002	N42.31845	W084.13161	55	45-55	1022.90		40.71	982.19	ASTI
	9/20/2002							41.00	981.90	ASTI
	1/26/2004							42.30	980.60	ASTI
	3/3/2004							42.26	980.64	ASTI
	4/19/2004							41.64	981.26	ASTI
	2/13/2006							41.04	981.86	FTC&H
	10/26/2006							40.53	982.37	FTC&H
	8/24/2007							38.91	983.99	FTC&H
	9/13/2007							39.26	983.64	FTC&H
	10/2/2007							39.56	983.34	FTC&H
	11/13/2007							40.15	982.75	FTC&H
	12/6/2007							40.09	982.81	FTC&H
	1/9/2008							39.21	983.69	FTC&H
	2/15/2008							38.85	984.05	FTC&H
	3/14/2008							38.44	984.46	FTC&H
	4/4/2008							38.32	984.58	FTC&H
	5/29/2008							38.92	983.98	FTC&H
6/17/2008							38.99	983.91	FTC&H	
MW-5	8/29/2002	N42.31192	W084.13466	50	40-50	1017.20		35.58	981.62	ASTI
	9/20/2002							35.79	981.41	ASTI
	1/26/2004							37.19	980.01	ASTI
	3/3/2004							37.27	979.93	ASTI
	4/19/2004							36.74	980.46	ASTI
	2/13/2006							36.39	980.81	FTC&H
	10/26/2006							35.73	981.47	FTC&H
	8/24/2007							34.47	982.73	FTC&H
	9/13/2007							34.54	982.66	FTC&H
	10/2/2007							34.78	982.42	FTC&H
	11/13/2007							35.16	982.04	FTC&H
	12/6/2007							35.34	981.86	FTC&H
	1/9/2008							35.30	981.90	FTC&H
	2/15/2008							34.42	982.78	FTC&H
	3/14/2008							33.90	983.30	FTC&H
	4/4/2008							33.85	983.35	FTC&H
	5/29/2008							34.13	983.07	FTC&H
6/17/2008							34.23	982.97	FTC&H	

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Location	Date	Coordinates		Well Depth (ft bgs)	Screen Depth (ft bgs)	Top of Casing (ft amsl)	Surface Water Elevation (ft amsl)	Depth to Water (ft bgs)	Static Water Level Elevation (ft amsl)	Comments
		Northing	Eastng							
Al Lake-SE	2/13/2006	N42.32668	W084.13218				976.75			accuracy 18 feet
Al Lake-N	2/13/2006	N42.32744	W084.13376				976.24			accuracy 21 feet
Al Lake-N	10/26/2006						974.83			Elevation Surveyed from MW-2
Al Lake-SW	8/24/2007	N42.32587	W084.13441				976.60			Elevation Surveyed From BM-1.
Freshwater Lake*-SW	9/13/2007						976.27			Al Lake re-named Freshwater Lake per Part 301 perm
	10/2/2007						972.10			
	11/13/2007						977.43			
	12/6/2007						977.63			
	1/9/2008						978.35			
	2/15/2008						978.63			
	3/14/2008						978.75			
	4/4/2008						977.17			
	5/29/2008						976.56			
	6/17/2008						977.47			
Pond Lily Lake	10/26/2006	N42.31729	W084.14114				981.44			Elevation Surveyed from MW-3. GPS accuracy 19 ft.
	8/24/2007	N42.29736	W084.12954				982.63			Elevation Surveyed from BM-2.
	9/13/2007						982.50			
	10/2/2007						982.44			
	11/13/2007						982.02			
	12/6/2007						982.19			
	1/9/2008						982.57			
	2/15/2008						982.97			
	3/14/2008						983.16			
	4/4/2008						983.34			
	5/29/2008						982.82			
	6/17/2008						982.82			
Clear Lake	8/29/2007	N42.33242	W084.15166				966.35			Elevation Surveyed from BM-3.
	9/13/2007						966.20			Note: USGS Topo shows lake elevation at 968 ft amsl
	10/2/2007						966.13			
	11/13/2007						966.22			
	12/6/2007						966.41			
	1/9/2008						966.49			
	2/15/2008						966.33			
	3/14/2008						966.26			
	4/4/2008						966.35			
	5/29/2008	N42.33242	W084.15166				966.15			Elevation Surveyed from BM-4.
	6/17/2008						966.25			

Notes:

Wells are 2" PVC with 10 foot PVC screens (0.001-inch slot). Coarse filter pack to 2 ft above screen. Finished upright with steel covers and expanding well caps.

ASTI elevation survey to USGS Datum (2002) - reference: Hydrogeologic Investigation Report to Aggregate Industries Waterloo Township, Michigan dated September 25, 2002

*Freshwater Lake is the name of the created water body under Part 301 Permit No. 0638-0043P.