TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Easting	Northing	TYPE	STATUS	Depth to Top of Open Interval (ft bgs)	Depth to Base of Open Interval (ft bgs)	Open Interval Length (ft)	Screened Interval (ft bgs)	Drilled Depth (ft bgs)	Well Construction	Open to Which Unit	Rock Type	Length of Stick-Up (ft)	Surface Elevation (ft AMSL)	Depth to Bedrock Revised 10-2010 (ft bgs)
CW-1	2260335.481	242032.06	Collection Well	Active	68.0	175.0	107.0	--	175	Open Hole	Bedrock	SS/Phyl	1.2	568.90	10.0
CW-2	2260109.901	241971.895	Collection Well	Active	48.0	150.0	102.0	--	150	Open Hole	Bedrock	SS/Phyl	1.4	555.58	15.0
CW-3	2259660.047	241839.425	Collection Well	Active	20.0	203.0	183.0	--	203	Open Hole	Bedrock	SS/Phyl	1.1	517.52	15.0
CW-4	2259909.453	241915.354	Collection Well	Active	63.0	150.0	87.0	--	150	Open Hole	Bedrock	Phyl	1.4	540.13	21.0
CW-5	2259288.45	241786.739	Collection Well	Active	18.5	83.0	64.5	23-83	83	Screened	Bedrock	SS/Phyl	1.2	469.16	8.0
CW-6	2259440.81	241788.091	Collection Well	Active	30.0	145.0	115.0	--	145	Open Hole	Bedrock	Phyl	1.6	483.08	6.0
CW-7	2260439.913	242061.755	Collection Well	Active	61.0	150.0	89.0	--	150	Open Hole	Bedrock	Phyl	1.3	572.48	59.0
CW-7A	2260436.015	242061.804	Collection Well	Active	34.0	66.0	32.0	36-66	66	Screened	Overburden and Bedrock (5')	Phyl	2.5	571.42	61.0
CW-8	2257831.676	239747.778	Collection Well	Active	99.0	128.0	29.0	--	146	Open Hole	Bedrock	LS	-0.3	363.03	31.0
CW-9	2257158.503	239869.824	Collection Well	Active	47.0	50.0	3.0	--	70	Open Hole	Bedrock	LS	-1.2	358.03	16.0
CW-10	2259265	238799	Collection Well	Abandoned	40.0	103.0	63.0	--	103	Open Hole	Bedrock	Q	0.0	417.43	33.0
CW-11	2258411	238560	Collection Well	Abandoned	43.0	60.0	17.0	--	83	Open Hole	Bedrock	LS	0.0	374.30	38.0
CW-12	2257164	239621	Collection Well	Abandoned	54.0	143.0	89.0	--	143	Open Hole	Bedrock	LS	0.0	362.06	35.0
CW-12A	2257117	239653	Collection Well	Abandoned	47.0	103.0	56.0	--	103	Open Hole	Bedrock	LS	0.0	361.34	42.0
CW-13	2257194.461	240322.234	Collection Well	Active	59.6	70.0	10.4	--	70	Open Hole	Bedrock	LS	-0.2	359.04	57.0
CW-14	2257270.848	240791.885	Collection Well	Active	36.0	80.0	44.0	36-80	80	Screened	Bedrock	LS	-0.5	359.42	14.0
CW-15	2257598.359	240606.275	Collection Well	Abandoned	55.0	270.0	215.0	--	270	Open Hole	Overburden and Bedrock	LS	1.0	361.79	62.0
CW-15A	2257590.49	240584.775	Collection Well	Active	18.0	68.0	50.0	18-68	70	Screened	Overburden and Bedrock	LS	-0.6	361.98	42.0
CW-16	2257953.276	239729.405	Collection Well	Active	25.0	52.0	27.0	30.5-50.5	52	Screened	Bedrock	LS	-1.1	365.66	17.5
CW-17	2257237.423	240752.552	Collection Well	Active	32.0	65.0	33.0	--	65	Open Hole	Bedrock	LS	-0.4	359.09	10.0
CW-18	2258335.403	239637.174	Collection Well	Active	34.5	51.0	16.5	37.5-47.5	51	Screened	Bedrock	LS	-1.0	365.69	36.0
CW-20					205.0	215.0	10.0	205-215	219	Screened					
CW-1A	2260328.445	242029.502	Collection Well	Active	29.0	74.0	45.0	34-74	74	Screened	Bedrock	Phyl	-0.2	568.51	10.0
MW-1	2258228.641	238629.449	Monitoring Well	Active	39.0	54.0	15.0	--	54	Open Hole	Bedrock	LS	-0.1	380.88	30.0
MW-2	2260258.265	239834.415	Monitoring Well	Active	46.0	121.0	75.0	--	121	Open Hole	Bedrock	SS	2.1	506.74	8.0
MW-3	2259953.317	241436.747	Monitoring Well	Active	50.0	102.0	52.0	--	102	Open Hole	Bedrock	SS/Q	2.1	539.01	7.0
MW-4	2258737	241062	Monitoring Well	Abandoned	16.0	67.0	51.0	17-67	67	Screened	Overburden	SS	0.0	395.78	8.0
MW-5	2257782.903	241132.583	Monitoring Well	Active	10.0	53.0	43.0	10-51	53	Screened	Overburden and Bedrock	LS	0.1	369.58	8.0
MW-6	2257334.212	240897.165	Monitoring Well	Active	7.0	40.0	33.0	8-38	40	Screened	Overburden and Bedrock	LS	2.1	357.52	18.0
MW-7	2257347.576	240398.918	Monitoring Well	Active	13.0	35.0	22.0	15-35	35	Screened	Overburden and Bedrock	LS & SS	-0.5	359.95	22.0
MW-8	2257315.103	239921.322	Monitoring Well	Active	10.0	36.0	26.0	12-34	36	Screened	Overburden and Bedrock	LS & SS	-0.5	358.57	22.0
MW-9	2260155.228	241948.939	Monitoring Well	Active	59.0	97.0	38.0	--	97.0	Open Hole	Bedrock	SS/Phyl	2.3	556.45	1.0
MW-10	2260372.378	241921.739	Monitoring Well	Active	78.0	120.0	42.0	--	120.0	Open Hole	Bedrock	SS/Phyl	2.4	565.40	55.0
MW-11	2260241.69	241996.24	Monitoring Well	Active	20.0	74.0	54.0	24-74	74.0	Screened	Overburden and Bedrock	SS	0.6	562.49	25.0
MW-12	2259899.138	241755.857	Monitoring Well	Active	30.0	100.0	70.0	--	100.0	Open Hole	Bedrock	SS/Q	0.5	535.45	5.5
MW-13									100.0						
MW-14	2260624.126	240642.35	Monitoring Well	Active	18.0	80.0	62.0	--	80	Open Hole	Bedrock	SS/Q	1.1	518.41	12.0
MW-15	2260521.748	240087.96	Monitoring Well	Active	40.0	120.0	80.0	--	120	Open Hole	Bedrock	SS/Q	1.6	522.48	30.0
MW-16D	2259645.006	241833.332	Monitoring Well	Active	190.0	201.0	11.0	193-198	201	Screened	Bedrock	SS/Q/Phyl	1.5	514.97	14.0
MW-16S	2259645.006	241833.332	Monitoring Well	Active	98.0	110.0	12.0	103-108	201	Screened	Bedrock	SS/Q/Phyl	1.6	514.97	14.0
MW-17	2259852.752	240660.612	Monitoring Well	Active	15.0	79.0	64.0	19-79	79	Screened	Overburden and Bedrock	SS	1.4	455.50	39.0
MW-18D	2259218.168	241772.532	Monitoring Well	Active	130.0	140.0	10.0	133-138	161	Screened	Bedrock	SS/Q/Phyl	1.1	463.13	15.0
MW-18S	2259218.168	241772.532	Monitoring Well	Active	45.0	65.0	20.0	50-60	161	Screened	Bedrock	SS/Q/Phyl	1.0	463.13	15.0
MW-19	2259388.983	241037.087	Monitoring Well	Active	30.0	120.0	90.0	--	120	Open Hole	Bedrock	SS/Q	1.6	425.81	10.0
MW-20D	2260446.851	242062.84	Monitoring Well	Active	153.0	165.0	12.0	158-163	165	Screened	Bedrock	SS/Q	1.8	572.06	16.0
MW-20M	2260446.851	242062.84	Monitoring Well	Active	72.0	85.0	13.0	78-73	165	Screened	Bedrock	SS/Q	2.1	572.06	16.0
MW-20S	2260445.271	242056.644	Monitoring Well	Active	28.0	61.0	33.0	28-58	61	Screened	Bedrock	SS/Q	2.4	571.68	16.0
MW-21	2259502	239784	Monitoring Well	Abandoned	16.0	59.0	43.0	19-54	59	Screened	Overburden and Bedrock	SS/LS	0.0	426.79	52.0
MW-22	2259882.617	239243.286	Monitoring Well	Active	30.0	100.0	70.0	--	100	Open Hole	Bedrock	SS/Q	2.4	445.16	21.0
MW-23	2258601	239115	Monitoring Well	Abandoned	16.0	74.0	58.0	19-69	74.0	Screened	Overburden and Bedrock	LS	0.0	373.17	50.0

TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Easting	Northing	TYPE	STATUS	Depth to Top of Open Interval (ft bgs)	Depth to Base of Open Interval (ft bgs)	Open Interval Length (ft)	Screened Interval (ft bgs)	Drilled Depth (ft bgs)	Well Construction	Open to Which Unit	Rock Type	Length of Stick-Up (ft)	Surface Elevation (ft AMSL)	Depth to Bedrock Revised 10-2010 (ft bgs)
MW-24	2258715	239900	Monitoring Well	Abandoned	8.0	59.0	51.0	9-59	59.0	Screened	Overburden	OB	0.0	374.95	58.0
MW-25	2258777	240410	Monitoring Well	Abandoned	7.0	58.0	51.0	8-58	58.0	Screened	Overburden	OB	0.0	381.28	63.0
MW-26	2258734.505	240758.288	Monitoring Well	Active	7.0	60.0	53.0	9-59	60.0	Screened	Overburden	OB	-0.2	376.63	63.0
MW-27	2257830.338	240592.337	Monitoring Well	Active	8.0	70.0	62.0	10-70	70.0	Screened	Overburden and Bedrock	LS	-0.3	361.63	30.5
MW-28	2257819.312	239732.652	Monitoring Well	Active	8.0	55.0	47.0	10-55	55.0	Screened	Overburden and Bedrock	LS	-0.2	363.11	14.0
MW-29	2257504.946	239290.05	Monitoring Well	Active	10.0	60.0	50.0	--	60	Open Hole	Bedrock	LS	2.0	365.00	8.0
MW-30	2257641.861	240795.44	Monitoring Well	Active	14.0	23.0	10.5	--	41	Open Hole	Overburden and Bedrock	LS	-0.4	362.67	23.0
MW-31D	2258033.691	240962.748	Monitoring Well	Active	66.0	81.0	15.0	70-80	85	Screened	Bedrock	LS	-0.6	369.93	41.0
MW-31S	2258033.691	240962.748	Monitoring Well	Active	12.0	36.0	24.0	14-34	85	Screened	Overburden	OB	-0.7	369.93	41.0
MW-32D	2257819.637	239740.016	Monitoring Well	Active	196.0	220.0	24.0	210-220	220	Screened	Bedrock	LS	-0.5	363.04	11.0
MW-32S	2257819.637	239740.016	Monitoring Well	Active	133.0	148.0	15.0	138-148	220	Screened	Bedrock	LS	-0.6	363.04	11.0
MW-33	2257756.308	239599.932	Monitoring Well	Active	19.0	43.0	24.0	23-43	43	Screened	Overburden and Bedrock	LS	-0.2	364.17	28.0
MW-34D	2257647.608	239749.774	Monitoring Well	Active	91.0	125.0	34.0	115-125	125	Screened	Bedrock	LS	-0.4	361.35	7.0
MW-34S	2257652.724	239751.173	Monitoring Well	Active	17.0	37.0	20.0	17-37	37	Screened	Bedrock	LS	-0.3	361.34	3.0
MW-35D	2257694.66	239857.936	Monitoring Well	Active	106.0	124.0	18.0	114-124	124	Screened	Bedrock	LS	-0.3	360.86	17.0
MW-35S	2257688.486	239858.756	Monitoring Well	Active	7.0	19.0	12.0	9-19	23	Screened	Overburden and Bedrock	LS	-0.3	360.74	17.0
MW-36D	2257838.352	240946.071	Monitoring Well	Active	67.0	83.0	16.0	70-80	83	Screened	Bedrock	LS	1.0	369.93	39.0
MW-36S	2257838.352	240946.071	Monitoring Well	Active	18.0	41.0	23.0	20-40	83	Screened	Overburden and Bedrock	LS	1.0	369.93	39.0
MW-37D	2257024.728	239725.104	Monitoring Well	Active	125.0	141.0	16.0	131-141	141	Screened	Bedrock	LS	1.0	358.11	17.0
MW-37S	2257024.728	239725.104	Monitoring Well	Active	11.0	33.0	22.0	12-32	141	Screened	Overburden and Bedrock	LS	1.0	358.11	17.0
MW-38D	2257019.813	240096.457	Monitoring Well	Active	80.0	103.0	23.0	85-95	103	Screened	Bedrock	LS	1.5	357.14	16.0
MW-38S	2257006	240090	Monitoring Well	Abandoned	8.0	35.0	27.0	10-30	35	Screened	Overburden and Bedrock	LS	0.0	359.47	24.0
MW-39D	2257001.736	240617.757	Monitoring Well	Active	53.0	100.0	47.0	55-65	100	Screened	Bedrock	LS	1.1	359.10	21.0
MW-39S	2257001.736	240617.757	Monitoring Well	Active	3.0	30.0	27.0	4-24	100	Screened	Overburden and Bedrock	LS	1.0	359.10	21.0
MW-40D	2257775.693	238661.499	Monitoring Well	Active	78.0	103.0	25.0	82-92	103	Screened	Bedrock	LS	-1.1	375.71	27.0
MW-41D	2259673	239014	Monitoring Well	Abandoned	113.0	125.0	12.0	115-125	125	Screened	Bedrock	SltStn	0.0	426.08	32.5
MW-41S	2259673	239014	Monitoring Well	Abandoned	33.0	66.0	33.0	36-66	125	Screened	Bedrock	SltStn	0.0	426.08	32.5
MW-42D	2259143	238710	Monitoring Well	Abandoned	113.0	126.0	13.0	116-126	126	Screened	Bedrock	SltStn	0.0	411.39	29.0
MW-42M	2259143	238710	Monitoring Well	Abandoned	51.0	75.0	24.0	53-73	126	Screened	Bedrock	SltStn	0.0	411.39	29.0
MW-42S	2259143	238710	Monitoring Well	Abandoned	13.0	36.0	23.0	15-35	126	Screened	Overburden and Bedrock	SS	0.0	380.93	29.0
MW-43D	2258678.025	238498.25	Monitoring Well	Active	79.0	92.0	13.0	82-92	92	Screened	Bedrock	LS	-0.6	380.67	53.0
MW-43S	2258668.701	238496.703	Monitoring Well	Active	19.0	48.0	29.0	25-45	50	Screened	Overburden and Bedrock	SS	-0.7	380.45	41.0
MW-44	2259259	238911	Monitoring Well	Abandoned	40.0	82.0	42.0	--	82	Open Hole	Bedrock	SltStn/Q	0.0	417.37	18.0
MW-45	2257565.333	240278.691	Monitoring Well	Active	6.0	38.0	32.0	8-38	38	Screened	Overburden and Bedrock	LS	-0.9	360.81	25.0
MW-46	2257552.773	240074.772	Monitoring Well	Active	6.0	39.0	33.0	8-38	39	Screened	Overburden and Bedrock	LS	-0.6	359.82	24.0
MW-47	2257574.939	240421.203	Monitoring Well	Active	12.0	56.0	44.0	15-35	56	Screened	Overburden	OB	-0.8	361.36	59.0
MW-48	2257604	240593	Monitoring Well	Abandoned	3.0	40.0	37.0	3-22	40	Screened	Overburden and Bedrock	OB	0.0	362.85	39.0
MW-49D	2257600.205	240579.685	Monitoring Well	Active	201.0	220.0	19.0	202-212	220	Screened	Bedrock	LS	-0.7	362.18	29.0
MW-49S	2257600.205	240579.685	Monitoring Well	Active	134.0	158.0	24.0	135-140	220	Screened	Bedrock	LS	-0.7	362.18	29.0
MW-50D	2257466.343	240662.65	Monitoring Well	Active	157.0	170.0	13.0	160-170	170	Screened	Bedrock	LS	-0.7	361.10	57.0
MW-50S	2257466.343	240662.65	Monitoring Well	Active	104.0	125.0	21.0	110-120	170	Screened	Bedrock	LS	-0.7	361.10	57.0
MW-51D	2257445.98	240540.083	Monitoring Well	Active	88.0	120.0	32.0	110-120	120.0	Screened	Bedrock	LS	-0.5	360.95	12.0
MW-51S	2257445.413	240528.604	Monitoring Well	Active	34.0	51.0	17.0	34-44	51.0	Screened	Bedrock	LS	-0.7	360.93	10.5
MW-52	2258501.574	240974.736	Monitoring Well	Abandoned	4.0	46.0	42.0	6-36	46.0	Screened	Overburden	OB	-0.3	367.67	29.0
MW-53	2258401.841	240958.649	Monitoring Well	Abandoned	5.0	30.0	25.0	8-28	30.0	Screened	Overburden	OB	-0.3	367.41	32.0
MW-54	2257963.258	239731.085	Monitoring Well	Active	17.5	30.5	13.0	20.5-30.5	30.5	Screened	Bedrock	LS	-0.4	365.67	17.5
MW-55	2258011.697	239734.125	Monitoring Well	Active	18.5	31.5	13.0	21-31	31.5	Screened	Overburden and Bedrock	LS	-0.4	365.65	24.4
MW-56	2258434.049	240095.433	Monitoring Well	Active	20.0	37.0	17.0	27-37	37.0	Screened	Overburden	OB	-0.4	372.28	42.0
MW-57	2258255.36	239527.737	Monitoring Well	Active	25.0	35.0	10.0	25-35	38	Screened	Overburden	OB	-0.5	365.07	40.0
MW-58	2258332	239939	Monitoring Well	Abandoned	25.0	35.5	10.5	25-35	35.5	Screened	Overburden	OB	0.0	365.28	40.0
MW-59	2257800.172	240900.517	Monitoring Well	Abandoned	11.0	46.0	35.0	13-43	46	Screened	Overburden and Bedrock	LS	0.0	369.72	39.0
MW-60	2257871.168	240877.827	Monitoring Well	Abandoned	7.0	38.0	31.0	8-38	38	Screened	Overburden	OB	0.0	369.02	38.0
MW-61D	2257577	238991	Monitoring Well	Abandoned	77.0	86.0	9.0	79.5-84.5	100	Screened	Bedrock	LS	0.0	374.17	16.0
MW-61S	2257577	238991	Monitoring Well	Abandoned	49.0	59.0	10.0	52-58	100	Screened	Bedrock	LS	0.0	374.17	16.0
MW-62D	2257847	239288	Monitoring Well	Abandoned	83.0	96.0	13.0	84-94	103	Screened	Bedrock	LS	0.0	371.73	28.0

TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Easting	Northing	TYPE	STATUS	Depth to Top of Open Interval (ft bgs)	Depth to Base of Open Interval (ft bgs)	Open Interval Length (ft)	Screened Interval (ft bgs)	Drilled Depth (ft bgs)	Well Construction	Open to Which Unit	Rock Type	Length of Stick-Up (ft)	Surface Elevation (ft AMSL)	Depth to Bedrock Revised 10-2010 (ft bgs)
MW-62S	2257847	239288	Monitoring Well	Abandoned	38.0	46.0	8.0	40-45	103	Screened	Bedrock	LS	0.0	371.73	28.0
MW-63D	2258355	239058	Monitoring Well	Abandoned	85.0	98.0	13.0	84-94	100	Screened	Bedrock	LS	0.0	375.62	28.0
MW-63S	2258355	239058	Monitoring Well	Abandoned	39.5	48.0	8.5	37-47	100	Screened	Bedrock	LS	0.0	375.62	28.0
MW-64D	2260213.009	239029.445	Monitoring Well	Active	68.0	77.0	9.0	70-75	92	Screened	Bedrock	LS	2.3	414.10	60.0
MW-64S	2260213.009	239029.445	Monitoring Well	Active	33.0	42.0	9.0	35-40	92	Screened	Overburden	OB	2.2	414.10	60.0
MW-65D	2260508.367	240984.017	Monitoring Well	Active	89.0	103.0	14.0	92.25-102.25	103	Screened	Bedrock	Q	2.0	544.84	5.0
MW-65S	2260508.367	240984.017	Monitoring Well	Active	71.3	86.0	14.7	75-85	103	Screened	Bedrock	Q	2.0	544.84	5.0
MW-66D	2260245.972	240655.968	Monitoring Well	Active	81.4	100.0	18.6	84.5-99.5	100	Screened	Bedrock	Q	0.8	506.15	20.0
MW-66S	2260245.972	240655.968	Monitoring Well	Active	47.2	100.0	52.8	50-60	100	Screened	Bedrock	Q	0.6	506.15	20.0
MW-67D	2259830.3	240329.159	Monitoring Well	Active	58.0	71.0	13.0	60-70	71	Screened	Bedrock	Q	2.9	443.78	31.0
MW-67S	2259830.3	240329.159	Monitoring Well	Active	12.8	31.0	18.2	15-30	71	Screened	Overburden	OB	2.9	443.78	31.0
MW-68	2259854.439	240649.335	Monitoring Well	Active	80.0	105.0	25.0	--	105	Open Hole	Bedrock	Q	2.6	455.51	38.0
MW-69	2259354.779	240516.816	Monitoring Well	Active	77.0	126.0	49.0	--	126	Open Hole	Bedrock	LS	2.2	409.71	74.0
MW-70D	2259074.94	241155.082	Monitoring Well	Active	68.0	85.0	17.0	68-78	85	Screened	Bedrock	SS/Q/Phyl	-0.5	413.79	45.0
MW-70S	2259074.94	241155.082	Monitoring Well	Active	15.8	35.0	19.2	18-33	85	Screened	Overburden	OB	-0.6	413.79	45.0
MW-71D	2258808.819	240989.459	Monitoring Well	Abandoned	88.5	101.0	12.5	91-101	101	Screened	Bedrock	Q	0.0	398.33	84.0
MW-71S	2258808.819	240989.459	Monitoring Well	Abandoned	28.0	46.8	18.8	30-45	101	Screened	Overburden	OB	0.0	398.64	84.0
MW-72	2259005.69	240046.53	Monitoring Well	Abandoned	75.0	101.0	26.0	--	101	Open Hole	Bedrock	LS	--	--	48.0
MW-73	2259109.31	239466.27	Monitoring Well	Abandoned	75.0	101.0	26.0	--	101	Open Hole	Bedrock	Dolo	--	--	76.0
MW-74D	2256996.001	240609.869	Monitoring Well	Active	220.0	250.0	30.0	225-250	250	Screened	Bedrock	LS	0.9	358.93	33.5
MW-74S	2256996.001	240609.869	Monitoring Well	Active	175.0	201.0	26.0	183-193	250	Screened	Bedrock	LS	0.9	358.93	33.5
MW-75D	2257008.836	239724.914	Monitoring Well	Active	200.0	217.0	17.0	205-215	217	Screened	Bedrock	LS	1.4	358.41	18.0
MW-75S	2257020.382	239733.174	Monitoring Well	Active	151.0	190.0	39.0	168-173	190	Screened	Bedrock	LS	0.9	358.14	17.0
MW-76	2256801.91	240935.47	Monitoring Well	Active	66.0	85.0	19.0	71.5-81.5	85	Screened	Bedrock	LS	3.1	359.19	43.0
MW-77	2258452.142	240803.402	Monitoring Well	Active	35.0	67.0	32.0	40-65	67	Screened	Overburden	OB	1.6	376.75	70.0
MW-78	2258209.244	241091.438	Monitoring Well	Active	7.5	39.0	31.5	10-35	39	Screened	Overburden	OB	-0.3	367.42	63.0
MW-79	2258537.978	240400.06	Monitoring Well	Active	17.0	42.0	25.0	20-40	42	Screened	Overburden	OB	-0.5	376.29	42.0
MW-80	2258402.168	239664.679	Monitoring Well	Active	17.5	41.0	23.5	20.5-40.5	41	Screened	Overburden	OB	-0.7	370.98	43.0
MW-81D	2257819.406	240296.646	Monitoring Well	Active	52.0	66.0	14.0	56-65	66	Screened	Bedrock	LS	-0.6	360.52	22.0
MW-82	2258033.68	241420.969	Monitoring Well	Active	53.5	76.0	22.5	--	76	Open Hole	Bedrock	LS	2.5	381.81	48.0
MW-83	2258188.852	240698.444	Monitoring Well	Active	51.0	76.0	25.0	--	76	Open Hole	Bedrock	LS	-0.3	364.00	33.0
MW-84	2258206.726	241077.898	Monitoring Well	Active	67.0	98.0	31.0	75-95	98	Screened	Bedrock	LS	-0.2	367.15	71.0
MW-85	2257533.116	238738.304	Monitoring Well	Active	120.0	150.0	30.0	--	150	Open Hole	Bedrock	LS	0.9	371.95	19.0
MW-86D	2259186.611	240710.709	Monitoring Well	Active	67.0	98.5	31.5	70-80	98.5	Screened	Bedrock	Q	1.8	404.76	57.0
MW-86S	2259186.611	240710.709	Monitoring Well	Active	10.0	32.5	22.5	12-27	98.5	Screened	Overburden	Q	1.7	404.76	57.0
MW-87	2258394.905	239664.521	Monitoring Well	Active	67.0	98.0	31.0	75-95	98	Screened	Overburden and Bedrock	OB/LS	-0.3	370.96	95.0
MW-88	2258113.334	239288.297	Monitoring Well	Active	30.0	50.0	20.0	--	50	Open Hole	Bedrock	LS	0.2	367.71	24.0
MW-89	2257976.924	238939.997	Monitoring Well	Abandoned	65.0	82.0	17.0	68-78	82	Screened	Bedrock	LS/Dolo	--	--	32.0
MW-90	2258732.9	238814.001	Monitoring Well	Abandoned	65.0	77.0	12.0	67-77	77	Screened	Bedrock	LS	--	--	53.0
MW-91	2260318.173	239712.283	Monitoring Well	Active	50.0	75.0	25.0	--	75	Open Hole	Bedrock	Q	2.9	498.28	9.0
MW-92	2260156.129	239507.445	Monitoring Well	Active	50.0	100.5	50.5	--	100.5	Open Hole	Bedrock	Q	3.0	473.91	13.0
MW-93D	2256959.828	239926.243	Monitoring Well	Active	134.7	160.0	25.3	134.7-144.7	160	Screened	Bedrock	LS/Dolo	1.2	358.98	23.5
MW-93S	2256962.351	239906.794	Monitoring Well	Active	24.0	45.0	21.0	26.2-41.2	45	Screened	Bedrock	LS/Dolo	1.8	358.95	18.5
MW-94	2258293.046	240168.566	Monitoring Well	Active	10.0	17.0	7.0	12-17	17	Screened	Overburden	OB	-0.6	365.63	
MW-95	2256908.968	240947.619	Monitoring Well	Active	37.0	49.5	12.5	39.5-49.5	51	Screened	Bedrock	LS	-0.4	359.15	37.0
MW-96D	2256847.212	240695.761	Monitoring Well	Active	75.0	87.5	12.5	77.5-87.5	90	Screened	Bedrock	LS	1.8	359.19	21.0
MW-96S	2256846.939	240704.761	Monitoring Well	Active	27.0	39.0	12.0	29-39	70.5	Screened	Bedrock	LS	1.9	359.29	21.0
MW-97	2257039.377	240252.831	Monitoring Well	Active	66.0	80.0	14.0	70-80	80	Screened	Bedrock	LS	-0.6	357.94	42.5
MW-98D	2256409.744	240868.115	Monitoring Well	Active	128.0	171.0	43.0	131-171	172	Screened	Bedrock	LS/Phyl	2.5	358.92	27.0
MW-98I	2256412.681	240896.441	Monitoring Well	Active	98.0	105.0	7.0	100-105	109	Screened	Bedrock	LS/Phyl	2.4	358.38	28.0

TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Easting	Northing	TYPE	STATUS	Depth to Top of Open Interval (ft bgs)	Depth to Base of Open Interval (ft bgs)	Open Interval Length (ft)	Screened Interval (ft bgs)	Drilled Depth (ft bgs)	Well Construction	Open to Which Unit	Rock Type	Length of Stick-Up (ft)	Surface Elevation (ft AMSL)	Depth to Bedrock Revised 10-2010 (ft bgs)
MW-98S	2256412.681	240896.441	Monitoring Well	Active	58.0	68.0	10.0	61-68	109	Screened	Bedrock	LS	2.4	358.38	28.0
MW-99D	2256378.302	240563.068	Monitoring Well	Active	125.5	142.0	16.5	132-142	150	Screened	Bedrock	LS	2.4	357.56	27.0
MW-99S	2256380.908	240583.629	Monitoring Well	Active	57.8	74.3	16.5	64.3-74.3	75	Screened	Bedrock	LS	2.9	357.47	22.0
MW-100D	2256449.796	239744.34	Monitoring Well	Active	93.0	114.0	21.0	104-114	121	Screened	Bedrock	LS	2.4	359.76	46.0
MW-100I	2256450.455	239727.638	Monitoring Well	Active	60.0	66.0	6.0	61-65	66	Screened	Bedrock	LS	2.4	359.40	36.0
MW-100S	2256450.455	239727.638	Monitoring Well	Active	45.0	51.0	6.0	46-51	66	Screened	Bedrock	LS	2.9	359.40	36.0
MW-101D	2256454.78	238986.2	Monitoring Well	Active	76.0	115.0	39.0	85-115	151	Screened	Bedrock	LS	1.8	354.44	16.5
MW-101S	2256456.573	239000.498	Monitoring Well	Active	18.0	40.0	22.0	20-40	51.3	Screened	Overburden and Bedrock	LS	2.1	354.41	21.0
MW-102D	2258868.521	241071.419	Monitoring Well	Active	75.0	99.0	24.0	--	99	Open Hole	Bedrock	SS	-0.5	402.16	68.5
MW-102S	2258869.556	241076.54	Monitoring Well	Active	41.0	65.0	24.0	45-65	65	Screened	Overburden	OB	-0.5	402.45	
MW-103D	2258987.533	240809.517	Monitoring Well	Active	94.7	106.7	12.0	96.7-106.7	107	Screened	Bedrock	Phyl/Q	-0.4	398.01	
MW-103S	2258985.826	240816.632	Monitoring Well	Active	62.3	87.5	25.2	67.5-87.5	87.5	Screened	Overburden	OB	-0.4	398.31	86.0
MW-104	2259258.503	240916.916	Monitoring Well	Active	15.0	28.0	13.0	18-28	29	Screened	Overburden	OB	2.0	426.70	57.0
MW-105	2256875.877	240783.354	Monitoring Well	Active	10.0	22.0	12.0	12-22	22	Screened	Overburden	OB	1.8	360.29	45.0
MW-106	2257033.276	240303.392	Monitoring Well	Active	15.0	28.0	13.0	18-28	29	Screened	Overburden	OB	2.1	358.08	42.0
MW-107	2257084.414	239619.506	Monitoring Well	Active	11.0	23.0	12.0	13-23	23	Screened	Overburden	OB	2.3	361.25	45.0
MW-108D	2260555.138	239038.177	Monitoring Well	Active	72.0	149.0	77.0	--	149	Open Hole	Bedrock	LS/SS/Q	-0.4	426.79	67.0
MW-108S	2260548.588	239040.891	Monitoring Well	Active	22.9	55.1	32.2	25.1-55-1	68.5	Screened	Overburden	OB	-0.5	425.95	70.0
MW-109D	2260332.907	238263.84	Monitoring Well	Active	88.0	100.0	12.0	NA	100	Screened	Bedrock	LS	0.5	388.65	67.0
MW-109S	2260342.662	238264.046	Monitoring Well	Active	42.9	65.0	22.1	45-65	65	Screened	Overburden	OB	-0.5	388.88	67.0
MW-110	2259624.23	238242.076	Monitoring Well	Active	31.5	44.0	12.5	34-44	55	Screened		LS	-0.5	378.83	27.0
MW-111	2259606.221	239883.161	Monitoring Well	Active	82.0	149.0	67.0	--	149	Open Hole	Bedrock	Phyl/Q	2.2	431.40	75.0
MW-112	2258785.007	239304.792	Monitoring Well	Active	97.5	120.0	22.5	100-120	120	Screened	Bedrock	LS	-0.4	393.96	87.0
MW-113	2258452.566	239658.255	Monitoring Well	Active	125.0	151.0	26.0	131-151	159	Screened	Bedrock	LS	-0.4	371.39	48.0
MW-114	2257817.257	240444.261	Monitoring Well	Active	90.0	143.7	53.7	--	143.7	Open Hole	Bedrock	LS	-0.4	361.14	48.0
MW-115	2258465.641	240424.415	Monitoring Well	Active	111.5	124.5	13.0	114.5-124.5	125	Screened	Bedrock	LS	-0.3	373.59	24.0
MW-116	2257786.743	240834.241	Monitoring Well	Active	27.0	50.8	23.8	30.8-50.8	50.8	Screened	Overburden and Bedrock	Phyl/LS	-0.4	364.99	30.0
MW-117	2257902.254	240822.862	Monitoring Well	Active	15.4	29.5	14.1	16.18-29.5	29.5	Screened	Overburden	OB	--	--	

Survey coordinates
updated Oct. 2010

Rock Type
LS - Limestone
Dolo - Dolostone
SS - Sandstone
Q - Quartzite
Phyl - Phylite
SltStn - Siltstone
OB - Over Burden

TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Bedrock Elevation Revised 10-2010 (ft AMSL)	Gravel Present	Saturated Overburden	Saturated Overburden Thickness (ft)	Voids	Void Interval (ft bgs)	Aquifer Classification	Comments
CW-1	558.9	3	N	--	N	--	Deep Bedrock	--
CW-2	540.6	3	N	--	N	--	Deep Bedrock	--
CW-3	502.5	3	N	--	N	--	Deep Bedrock	--
CW-4	519.1	3	N	--	N	--	Deep Bedrock	--
CW-5	461.2	3	N	--	N	--	Shallow Bedrock	--
CW-6	477.1	3	N	--	N	--	Deep Bedrock	--
CW-7	513.5	3	N	--	N	--	Deep Bedrock	--
CW-7A	510.4	3	Y	16.17	N	--	Overburden/Shallow Bedrock	--
CW-8	332.0	2	Y	6.08	Y	131-145	Deep Bedrock	Gravel-filled void
CW-9	342.0	3	N	--	Y	27-41 / 50-70	Deep Bedrock	Voids, Broken zones
CW-10	384.4	3	N	--	N	--	Deep Bedrock	--
CW-11	336.3	3	Y	7.28	Y	58-61,65-67,71.5-83	Deep Bedrock	Broken zones, hole collapse
CW-12	327.1	1	Y	21.11	Y	40-47, 57.5-67	Deep Bedrock	--
CW-12A	319.3	2	Y	29.51	N	--	Deep Bedrock	--
CW-13	302.0	2	Y	31.22	Y	60-63	Deep Bedrock	Natural gravel backfill in borehole
CW-14	345.4	3	N	--	Y	26-42, 50-51	Deep Bedrock	Voids filled with mud slurry + cobbles 26-42'
CW-15	299.8	1	Y	41.15	N	--	Shallow Bedrock	--
CW-15A	320.0	1	Y	13.36	Y	45-49	Shallow Bedrock	Soft zone: mud, clay, gravel
CW-16	348.2	3	N	--	Y	41-43	Deep Bedrock	--
CW-17	349.1	3	N	--	Y	32-64	Deep Bedrock	--
CW-18	329.7	2	Y	15.48	Y	47-51	Deep Bedrock	Collapsed from 47-51'
CW-20					Y	54-56, 116-125, 131-141, 141-146, 146-153, 153-159.5, 167-169, 169-172, 172.5-177.5, 178-182, 184-189, 189-190.5, 213-23.5, 216-216.5		
CW-1A	558.5	3	N	--	N	--	Deep Bedrock	--
MW-1	350.9	3	N	--	N	--	Deep Bedrock	--
MW-2	498.7	3	N	--	N	--	Deep Bedrock	--
MW-3	532.0	3	N	--	N	--	Deep Bedrock	--
MW-4	387.8	3	N	--	N	--	Overburden	--
MW-5	361.6	3	N	--	N	-24-25	Overburden/Shallow Bedrock	Void in overburden 24'-25";Broken zones 42-51'
MW-6	339.5	3	N	--	N	--	Shallow Bedrock	--
MW-7	338.0	3	N	--	N	--	Overburden/Shallow Bedrock	Caved formation 34.5-35'
MW-8	336.6	2	Y	5.03	Y	32-33	Overburden/Shallow Bedrock	Caved formation 35-36'
MW-9	555.5	3	N	--	N	--	Deep Bedrock	--
MW-10	510.4	3	Y	0.18	N	--	Deep Bedrock	--
MW-11	537.5	3	N	--	N	--	Shallow Bedrock	Open hole extends into overburden
MW-12	530.0	3	N	--	N	--	Deep Bedrock	--
MW-13								
MW-14	506.4	3	N	--	N	--	Deep Bedrock	--
MW-15	492.5	3	N	--	N	--	Deep Bedrock	--
MW-16D	501.0	3	N	--	N	--	Deep Bedrock	--
MW-16S	501.0	3	Y	6.49	N	--	Deep Bedrock	--
MW-17	416.5	3	Y	26.33	N	--	Overburden/Deep Bedrock	
MW-18D	448.1	3	Y	0.41	N	--	Deep Bedrock	--
MW-18S	448.1	3	Y	0.77	N	--	Deep Bedrock	--
MW-19	415.8	3	N	--	N	--	Deep Bedrock	--
MW-20D	556.1	3	N	--	N	--	Deep Bedrock	--
MW-20M	556.1	3	N	--	N	--	Deep Bedrock	--
MW-20S	555.7	3	N	--	N	--	Deep Bedrock	--
MW-21	374.8	2	Y	20.99	Y	48-52	Overburden	Void filled with clay and gravel overlying limestone bedrock 48-52'
MW-22	424.2	3	N	--	N	--	Deep Bedrock	--
MW-23	323.2	2	Y	17.16	Y	64-70	Shallow Bedrock	Hole collapsed 64-69'

TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Bedrock Elevation Revised 10-2010 (ft AMSL)	Gravel Present	Saturated Overburden	Saturated Overburden Thickness (ft)	Voids	Void Interval (ft bgs)	Aquifer Classification	Comments
MW-24	317.0	2	Y	27.67	N	--	Overburden	--
MW-25	318.3	2	Y	48.96	N	--	Overburden	--
MW-26	313.6	2	Y	34.82	Y	45-47	Overburden	Void filled with gravel
MW-27	331.1	2	Y	12.45	N	--	Shallow Bedrock	--
MW-28	349.1	3	N	--	N	--	Shallow Bedrock	--
MW-29	357.0	3	N	--	N	--	Deep Bedrock	--
MW-30	339.7	3	N	--	N	--	Shallow Bedrock	--
MW-31D	328.9	2	Y	16.66	Y	61-69	Deep Bedrock	Caved formation 81-85'
MW-31S	328.9	2	Y	19.03	N	--	Overburden	23-41 Rapid drill advancement; no circulation
MW-32D	352.0	3	N	--	Y	22-45	Deep Bedrock	Lost circlation after going through mud zone
MW-32S	352.0	3	N	--	N	--	Deep Bedrock	--
MW-33	336.2	3	Y	7.15	N	--	Shallow Bedrock	--
MW-34D	354.4	3	N	--	Y	13-25 / 52-56 / 58-63 / 69-72	Deep Bedrock	--
MW-34S	358.3	3	N	--	N	--	Deep Bedrock	--
MW-35D	343.9	3	N	--	Y	24-96	Deep Bedrock	Void filled with mud, sediment
MW-35S	343.7	3	N	--	N	--	Shallow Bedrock	--
MW-36D	330.9	2	Y	12.38	N	--	Deep Bedrock	--
MW-36S	330.9	2	Y	12.92	Y	24-39	Overburden	Void above top of bedrock
MW-37D	341.1	3	N	--	Y	137-138	Deep Bedrock	--
MW-37S	341.1	3	N	--	N	--	Shallow Bedrock	Void filled with sediment
MW-38D	341.1	3	N	--	N	--	Deep Bedrock	Caved formataion 95-103'
MW-38S	335.5	3	N	--	N	--	Shallow Bedrock	Caved formation 30-35'
MW-39D	338.1	3	N	--	Y	30-80 / 81-84	Deep Bedrock	Void filled with sediment 30-80' + 62-80', Caved formation 67-100'
MW-39S	338.1	3	N	--	N	--	Shallow Bedrock	--
MW-40D	348.7	3	N	--	Y	37-48 / 71-103 several voids	Deep Bedrock	Caved formation 68-75', Mud filled voids 71-103', Caved formation 92-103'
MW-41D	393.6	3	N	--	N	--	Deep Bedrock	--
MW-41S	393.6	3	Y	1.24	N	--	Deep Bedrock	--
MW-42D	382.4	3	N	--	N	--	Deep Bedrock	--
MW-42M	382.4	3	N	--	N	--	Deep Bedrock	--
MW-42S	351.9	3	N	--	N	--	Overburden/Shallow Bedrock	--
MW-43D	327.7	2	Y	19.36	N	--	Deep Bedrock	Lost Circulation 57-77
MW-43S	339.5	2	Y	15.75	Y	38-41	Overburden	Caved formation 43-50' in overburden
MW-44	399.4	3	N	--	N	--	Deep Bedrock	--
MW-45	335.8	1	Y	7.08	N	--	Shallow Bedrock	--
MW-46	335.8	1	Y	6.74	N	--	Shallow Bedrock	--
MW-47	302.4	1	Y	35.79	Y	33-56	Overburden	Voids filled with silt, gravel, Caved formation 35-56' in overburden
MW-48	323.9	1	Y	22.70	Y	25-39'	Overburden	Voids filled with silt, gravel, Caved formation 25-40' in overburden
MW-49D	333.2	1	Y	10.09	Y	38-48	Deep Bedrock	Soft zone: mud, clay, gravel 38-48'
MW-49S	333.2	1	Y	9.61	Y	38-48	Deep Bedrock	Soft zone: mud, clay, gravel 38-48'
MW-50D	304.1	1	Y	36.16	Y	27-34 / 66-67	Deep Bedrock	Soft zone: mud, clay, gravel 66-67'
MW-50S	304.1	1	Y	37.72	Y	27-34 / 66-67	Deep Bedrock	Soft zone: mud, clay, gravel 66-67'
MW-51D	349.0	3	N	--	Y	37-44	Deep Bedrock	Soft zone: limestone/quartz fragments 37-44'
MW-51S	350.4	3	N	--	Y	38-51	Deep Bedrock	Void filled with silt, sediment 38-51'
MW-52	338.7	3	Y	30.25	N	--	Overburden	--
MW-53	335.4	2	Y	15.33	N	--	Overburden	--
MW-54	348.2	3	N	--	N	--	Shallow Bedrock	--
MW-55	341.3	2	Y	0.14	Y	28-31	Shallow Bedrock	Void filled with silt 28-31'
MW-56	330.3	2	Y	17.15	N	--	Overburden	--
MW-57	325.1	2	Y	17.25	N	--	Overburden	Slough 35-38'
MW-58	325.3	3	Y	16.59	N	--	Overburden	--
MW-59	330.7	1	Y	10.67	Y	44-45	Shallow Bedrock	Void filled with silt 44-45'
MW-60	331.0	2	Y	15.13	N	--	Overburden	--
MW-61D	358.2	3	N	--	N	--	Deep Bedrock	Numerous silt filled open fractures (hole was cored)
MW-61S	358.2	3	N	--	N	--	Deep Bedrock	--
MW-62D	343.7	3	N	--	Y	31-34 / 68-75	Deep Bedrock	Voids filled with mud 31-34' and 68-75'

TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Bedrock Elevation Revised 10-2010 (ft AMSL)	Gravel Present	Saturated Overburden	Saturated Overburden Thickness (ft)	Voids	Void Interval (ft bgs)	Aquifer Classification	Comments
MW-62S	343.7	2	Y	0.12	Y	31-34	Deep Bedrock	Void filled with mud 31-34'
MW-63D	347.6	3	N	--	Y	37-51	Deep Bedrock	Void filled with water and silt 31-34
MW-63S	347.6	3	N	--	Y	37-51	Deep Bedrock	Void filled with water and silt 31-34
MW-64D	354.1	3	N	--	Y	79-80	Shallow Bedrock	--
MW-64S	354.1	2	Y	23.60	N	--	Overburden	--
MW-65D	539.8	3	N	--	Y	--	Deep Bedrock	--
MW-65S	539.8	3	N	--	N	--	Deep Bedrock	--
MW-66D	486.2	3	N	--	Y	92.5-94?	Deep Bedrock	Questionable:Void noted on log, but recovey was recorded as 100%
MW-66S	486.2	3	N	--	N	--	Deep Bedrock	--
MW-67D	412.8	2	Y	30.95	N	--	Deep Bedrock	--
MW-67S	412.8	2	Y	20.52	N	--	Overburden	--
MW-68	417.5	2	Y	30.47	Y	87.5-88	Deep Bedrock	Questionable:0.5' void noted on log, but recovey was recorded as 95%
MW-69	335.7	2	Y	61.89	N	--	Deep Bedrock	--
MW-70D	368.8	3	Y	23.11	N	--	Deep Bedrock	--
MW-70S	368.8	3	Y	23.20	N	--	Overburden	--
MW-71D	314.3	3	Y	46.44	N	--	Shallow Bedrock	--
MW-71S	314.6	3	Y	48.81	N	--	Overburden	--
MW-72	--	3	N		N	--	Deep Bedrock	--
MW-73	--	2	Y	27.5	N	--	Deep Bedrock	Marble starting at 88-101
MW-74D	325.4	3	Y	13.80	Y	40-45.5 / 53-56 / 61-75	Deep Bedrock	Void filled with sediment 42-45.5', Soft clay and fractured rock zone 61-75'
MW-74S	325.4	3	Y	13.35	Y	40-45.5 / 53-56 / 61-75	Deep Bedrock	Void filled with sediment 42-45.5', Soft clay and fractured rock zone 61-75'
MW-75D	340.4	3	N	--	Y	81-82 / 101-106 / 154-160 / 170.5-189 / 211-212	Deep Bedrock	Fractured bedrock zone 154-160' + 180-189, Void filled with sediment 181-182'
MW-75S	341.1	3	N	--	Y	83-84 / 140-146 / 154-188.5	Deep Bedrock	Fractured bedrock zone 154-160' + 180-189, Void filled with sediment 181-182'
MW-76	316.2	2	Y	24.22	Y	77-81	Deep Bedrock	--
MW-77	306.8	2	Y	39.40	N	--	Overburden	--
MW-78	304.4	2	Y	21.46	N	--	Overburden	--
MW-79	334.3	2	Y	17.39	N	--	Overburden	--
MW-80	328.0	3	Y	15.04	N	--	Overburden	--
MW-81D	338.5	3	Y	16.15	Y	47-48, 55-56	Deep Bedrock	Fractured bedrock with occasional voids up to 2' thick, 45-65'
MW-82	333.8	1	Y	7.70	N	--	Deep Bedrock	--
MW-83	331.0	2	Y	19.35	N	--	Deep Bedrock	--
MW-84	296.2	2	Y	45.40	Y	66.5-71 / 74-77	Deep Bedrock	--
MW-85	353.0	3	N	--	N	--	Deep Bedrock	--
MW-86D	347.8	3	Y	47.37	N	--	Shallow Bedrock	Fractured zone from 63-65.5', 89-89.5'; rod dropped 70-70.5'
MW-86S	347.8	3	Y	42.85	N	--	Overburden	--
MW-87	276.0	2	Y	16.71	Y	43-98	Overburden	May be sediment-filled zone (no bedrock-collapsed sinkhole?)
MW-88	343.7	3	N	--	N	--	Deep Bedrock	--
MW-89	--	3	N	--	Y	72-73	Deep Bedrock	Void filled with clay and gravel 72-73'
MW-90	--	2	Y	13.94	Y	69-72	Shallow Bedrock	--
MW-91	489.3	3	N	--	N	--	Deep Bedrock	--
MW-92	460.9	3	N	--	N	--	Deep Bedrock	--
MW-93D	335.5	3	Y	4.18	Y	48-54.5 / 142-160	Deep Bedrock	Caved formation 142-160
MW-93S	340.5	3	N	--	N	29-30; 39.5-40	Shallow Bedrock	Caved formation 41-45
MW-94	365.6				N	--	Overburden	--
MW-95	322.2				N	--		Borehole collapse 49.5'-50' bgs
MW-96D	338.2				Y	71-72, 74-75, 78-90		--
MW-96S	338.3				Y	33-34		Borehole abandonment 40'-70.5' bgs with 3/8" bentonite hole plug
MW-97	315.4				Y	48-55, 62-80+ bottom of void unknown		Voids filled with mud
MW-98D	331.9				Y	29-31, 33-33.5, 36.5-39.5, 43.5-44.75, 46-49, 63-65, 66-70.5, 71-72.5, 77-88		Top of phyllite at 117
MW-98I	330.4				Y	36-38, 39-58, 60-64, 67-69, 76-81, 84-87, 89-90		Voids filled with mud

TABLE 2.1-1
Well Information
Harley-Davidson Motor Company Operations, Inc.
York, PA

Well Identification	Bedrock Elevation Revised 10-2010 (ft AMSL)	Gravel Present	Saturated Overburden	Saturated Overburden Thickness (ft)	Voids	Void Interval (ft bgs)	Aquifer Classification	Comments
MW-98S	330.4				Y	36-38, 39-58, 60-64, 67-69		Voids filled with mud
MW-99D	330.6				Y	26-27, 34-35, 38.5-41, 46.5-52, 55-56, 67-86, 93-96.5, 98-100, 114-118.5, 130.5-131, 132-136.5, 141-143		Borehole abandonment 142.5'-150' bgs with #1 morie sand, voids filled with mud
MW-99S	335.5				Y	33-35, 41-44, 49-51, 55-56, 67-74		Voids filled with mud
MW-100D	313.8				Y	74-75, 103-121		Drilling undercut drill rig at approximately 5'-15' bgs, 212.5-50 lb bags of 3/8" bentonite hole plug were used to fill void, voids fill with sand and gravel
MW-100I	323.4				Y	42-43, 44-45, 49-51		Voids filled with mud
MW-100S	323.4				Y	42-43, 44-45, 49-51		Voids filled with mud
MW-101D	337.9				N	--		Borehole abandonment 115'-132' bgs with #1 morie sand and 132'-151' bgs with 3/8" bentonite hole plug
MW-101S	333.4				N	--		Borehole abandonment 42'-51.3' bgs with 3/8" bentonite hole plug
MW-102D	333.7				Y	82-83		--
MW-102S	402.5				Y	--	Overburden	--
MW-103D	398.0				Y	87-88, 98-107+ bottom of void unknown		Voids filled with mud; Phyllite & Quartzite over voids (Interlayered Phy & Q with LS?)
MW-103S	312.3				N	--	Overburden	--
MW-104	369.7				N	--	Overburden	--
MW-105	315.3				N	--	Overburden	--
MW-106	316.1				N	--	Overburden	--
MW-107	316.3				N	--	Overburden	--
MW-108D	359.8				Y	124-125		Sandy Limestone over SS, interlayered SS, Qtzite & LS
MW-108S	356.0				N	--	Overburden	Borehole abandonment 55.1'-68.5' bgs with 3/8" bentonite hole plug and #1 morie sand
MW-109D	321.7				Y	80-82		--
MW-109S	321.9				N	--	Overburden	First drilling attempt refusal at 46.5' bgs-location abandoned by grouting. The monitoring well constructed in the second drilling attempt.
MW-110	351.8				Y	41-55+ bottom of void unknown		Void filled with mud
MW-111	356.4				N	--		--
MW-112	307.0				N	--		--
MW-113	323.4				Y	53-55, 56-57, 73-85, 87-95, 98-107, 138-152, 154-159+ bottom of void unknown		Voids filled with mud, lost 6" stabilizer and rollercone bit in void, threads broke
MW-114	313.1				Y	50-53, 79-80		--
MW-115	349.6				Y	117-119		Void filled with mud, color was Gley 1 4/10Y dark greenish gray
MW-116	335.0				N	--	Shallow Bedrock	8' of phyllite over LS;Three attempts were made to construct well
MW-117					N	--	Overburden	Three soil samples were taken during drilling

Gravel
1 = Sand w/ gravel
2 = Silt, Clay with Gravel
3 = Residual Soils