Facility/Projec	Facility/Project Name		Driller/Drill Rig	Boring Number				
	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe Technician Drilling Method		SS-1		
Site Address/L				Technician	Borehole Diameter			
	keshore Blvd, Marq			DDM	Direct Push	2.25 incl		
Site Owner (If City of Marque	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	itte			99-059	5' BSG			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW				****		P
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
MONIBER			0	0-3" TOP SOIL				
			-					
			-	3-16" COAL Black coal with ash and deb	ris			
			-	Diack coar with asir and dec	113.			
			-					
1		1	1					
			-					
			-					
1		1	-					
	16"		2					
			-					
			-					
			-					
			-					
			3					
			-					
			-					
1		1	-					
			4	0-5" COAL				-
		1	-	Black coal with debris			L	
			-	5-35" POORLY GRADEI	O SAND	SP		
			-	Fine grained sand, wet, gray	·.			
			-					
			5					Wet @ 5' BSG
			-					
			-					
			-					
	35"		-					
	35		6					
			-					
			-					
			-					
		1	7					
			-					
			-					
		1	-					
			-					
1		1	8	EOB				
1		1	-					
			-					
			-					
1		1	9					
1		1	-					
			-					
1		1	-					
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			10					
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			ā					
1		1	11					
1		1	-					
			-					
			-					
			12					
		<u></u>	12				L	
	DDM Geologist/Technician			D1-61	<del></del>			TriMedia consultant

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-2		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	iic			99-059	N/A			
				Start Date	Well Name			
				8/20/2009	N/A	_		
				Completion Date	Grid Location			
	T	T		8/20/2009			1	
TRIMEDIA	LENGTH	BLOW	DEPTH			USCS	PID	DEMADES
SAMPLE NUMBER	RECOVERED	COUNT	DEFIH			USCS	LID	REMARKS
, ,			0					
			-					Refusal at 6" concrete
			-	EOB				
			-					
			1					
			-					
			-					
			-					
			2					
			-					
			-					
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			3					
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			-	1				
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			-					
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			-					
			11					
			-					
			-					
			-					
			12					
	<u> </u>	<u> </u>					<u> </u>	
DDM Geologist/Technician			D1-61				TriMedia consultants	

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-3		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl	nes	
Site Owner (If	different than above	ve.)		Project Number	Groundwater Depth	Commer		
City of Marque	tte							
				99-059 Start Date	4' BSG Well Name			
				Start Date	wen Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	TLECO ( ETLEE	000111		mon gov				
			0 -	0-2" TOP SOIL 2-25" COAL				
			-	Black coal with ash and del	bris.			
			-					
			-					
			- 1					
			-					
1		1	-					
		1	-					
	20"	1	-					
	28"		2					
		1	-	25-28" WELL GRADED	SAND	SW		
1		1	-	Fine grained sand, gray.				
1		1	-					
			-					
			3					
			-					
			-					
			-					
1			4	EOB				Moist at 4' BSG
1		1	-					
			-					
			-					
			_					
			5					
			-					
			-					
			-					
			-					
			6					
			-					
			-					
			-					
		1	7					
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			-					
		L	-					
			8					
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			9					
			-					
		1	-					
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		1	10					
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		1	-					
			-					
		1	11					
			-					
		1	-					
		1	-					
		1	12					
		<u>L_</u>	12				L	
	DDM	Geologist/Techn	ician		<del></del>			TriMedia

Facility/Projec	Facility/Project Name		Driller/Drill Rig		Boring Number			
Former Cliffs-L	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-4		
Site Address/L				Technician	Drilling Method	Borehol		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc	nes	
	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	6'5" BSG			
				Start Date	Well Name			
				9/20/2000	NI/A			
				8/20/2009 Completion Date	N/A Grid Location			
TDIMEDIA				8/20/2009			l	
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-4" WELL GRADED SA	AND	SW		
			-	Medium grained sand, dark 4-30" COAL	brown.			
			-	Black coal with ash and de	bris.			
			-					
			1					
			-					
			-					
1		1	-					
	25"	1	-					
	36"		2					
1		1	-					
			-					
			-	<u>                                     </u>				
1		1	-	30-36" TAR			45.4	
			3	Dark brown.				
			-					
			-					
			-					
			4	0-29" COAL				
			-	Black coal with ash and we	ood debris.			
			-					
			-					
			-					
			5					
			-	20 26!! WELL CRADED	CAND	SW		
			-	29-36" WELL GRADED Fine grained sand, gray.	SAND	SW		
			-	i me gramea sana, gray.				
	36"		-					
			6					
			-					
			-					Wet @ 6'5" BSG
		1	-					
			7					
		1	-					
		1	-					
			-					
			-					
			8	EOB				
		1	-					
			-					
		1	-					
1		1	9					
			-					
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			-					
		1	10					
			-					
		1	-					
			-					
			-					
		1	11					
			-					
		1	-					
			-					
		1	12					
		<u>L_</u>	12	<u>                                     </u>				
	DDM Geologist/Technician			1				TriMedia

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mare	quette, MI		TriMedia/Geo Probe		SS-5		
Site Address/L		,		Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	4' BSG			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-2" TOP SOIL				
			-	2-18" COAL				
			-	Black coal, ash and debris.				
			-					
			- 1					
			-					
			-					
			-					
	18"		-					
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-36" WELL GRADED SA	ND	SW		Wet @ 4' BSG
			-	Medium grained sand, gray.		3 **		Wet @ 4 B3G
			-					
			-					
			-					
			5					
			-					
			-					
			-					
	36"		6					
			-					
			-					
			-					
			- 7					
			-					
			-					
			-					
			-	707				
			8 -	EOB				
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			-					
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			10					
			-					
			-					
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			-					
			-					
			12					
								Vollage die
DDM Geologist/Technician			D 1 . 6				TriMedia consultants	

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe	In	SS-6		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 ''		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	ne			99-059	4' BSG			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-27" COAL Black coal, ash, wood debri	ie			
			-	Black coal, asil, wood debit	13.			
			-					
			-					
			1					
			-					
			-					
			-					
	34"		2					
			_					
				27-34" WELL GRADED Medium grained sand, gray	SAND	SW		
			-	iviculum gramed sand, gray				
			-					
			3					
			-					
			-					
			-					Wet @ 4' BSG
			4	EOB				
			-					
			-					
			-					
			5					
			-					
			-					
			-					
			-					
			6					
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			-					
			9					
			-					
			-					
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			10					
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			-					
			11					
			-					
			-					
			-					
			12					
		1		1		1		TriMedia
1	DDM	Geologist/Techn.	ician					111mouta

Facility/Project Name			Driller/Drill Rig			Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe			SS-6b			
Site Address/L				Technician	Drilling Method	Borehol		neter		
	keshore Blvd, Marq different than above			DDM	Direct Push Groundwater Depth	2.25 incl				
City of Marque		ve.)		Project Number		Comme	nts			
				99-059 Start Date	4'6" BSG Well Name					
				8/20/2009 Completion Date	N/A Grid Location					
				8/20/2009	ora Botalon					
TRIMEDIA	I ENGRE	DI OW		8/20/2009						
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS		
NUMBER			0	0-2" TOP SOIL						
			-	2-19" COAL						
			-	Black coal, ash, wood debris	S.					
			-							
			1							
			-							
			-							
			-							
	26"		2	19-21" WELL GRADED SAND		SW				
			-	Fine grained sand, brown.		-				
			-	21-26" PEAT						
			-							
			3							
			-							
			-							
			-							
			4	0-8" PEAT						
			-			CXX				
			-	8-37" WELL GRADED SA Fine grained sand, gray.	AND	SW		Wet @ 4'6" BSG		
			-	8						
			5							
			-							
			-							
			-							
	37"		6							
			-							
			-							
			-							
			7							
			-							
			-							
			-							
			- 8	EOB						
			-							
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			9							
			-							
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			-							
			10							
			-							
			-							
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			11							
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			-							
			-							
			12							
				1				TriMedia		
	DDM Geologist/Technician			D1-61				TriMedia consultants		

Farmer Ciffic Door Plant Rise, Managente, MI Night Ske Lakeshore Blvd, Mi Night Ske Lakeshore Bl	Facility/Project Name			Driller/Drill Rig		Boring Number			
North First Color   Park   District Plant   District Pl			quette, MI				SS-7		
Project Number   Groundwater Depth   Quantities   Project Number   Groundwater Depth   Quantities   Quantit						- C			neter
Second   S						Direct Push			
Number   N			ve.)		Project Number	Groundwater Depth	Comme	nts	
RANGE   RECOVERED   BLOW   COUNT     DEPTH     SAPURED SAND     SAPURED SAND   SAPURED SAND     SAPURED SAND     SAPURED SAND     SAPURED SAND     SAPURED SAND     SAPURED SAND     SAPURED SAND     SAPURED SAND     SAPURED SAND     SAPURED SAND	City of Marque	atc.							
Completion Date   Coling   C					Start Date	Well Name			
TRIMEDIA   SAMPLE						N/A			
REMARKS   RECOVERED   REDW   REMARKS   PID   REMARKS   RECOVERED   NAMPLE   RECOVERED   NAM						Grid Location			
SAMPLE   RECOVERED   COUNT     DEPTH   USCS   PID   REMARKS	TRIMEDIA				8/20/2009				
				DEPTH			USCS	PID	REMARKS
Medium grained sand with gravel, brown.    S.38° COAL	NUMBER	RECOVERED	COUNT	0	A OH MEN Y CID A DED CAN	ATP.	CALL		
S-28" COAL   Black coal, sol, wood debris.					Medium grained sand with g	<u>ND</u> ravel, brown.	SW		Fill-non-native material
28"   2   3   3   3   3   3   3   3   3   3									
Black coul, ssh, wood debris.									
28* 2  4				-					
29"  4					Black coal, ash, wood debris	i.			
28"  2   2   -									
28"  2   2   -				-					
29°  8 EOB  8 EOB  10 Constant Security (Constant Security Securit		28"		-					
### ### ##############################		20							
Binks coal, sels, wood debris				-					
Black cool, ash, wood debris.   SW   Wet @ 4'6" BSG									
### B.B. Coal, ash, wood debris.    3-3° WELL GRADED SAID									
### Black coal, ash, wood debris.    1									
### Black coal, ash, wood debris.    1				-					
## ## ## ## ## ## ## ## ## ## ## ## ##				-					
Black coal, ash, wood debris.  3-29" WELL GRADD SAND Fine grained sand, wet, grayish-brown.  29" 6 6				-					
Black coal, ash, wood debris.  3-29" WELL GRADD SAND Fine grained sand, wet, grayish-brown.  29" 6 6				4	0-3" COAL				
Fine grained sand, wet, grayish-brown.  - Fine grained sand, wet, grayish-brown.  Wet @ 46° BSG				-	Black coal, ash, wood debris				
29"  5 5					3-29" WELL GRADED SA	AND ish-brown	SW		Wet @ 4'6" BSG
5					The granica sand, wet, gray	isii biowii.			Wet e 40 BBG
29"									
6									
6				-					
6				-					
O		29"							
				6					
				-					
				-					
				-					
8 EOB				7					
8 EOB				-					
8 EOB				-					
8 EOB									
				8	EOB				
9 10									
9									
				-					
				-					
				- 10					
11 - - - - - - 12									
11 - - - - - - 12				-					
11 - - - - - - 12				-					
12				-					
12				-					
12				-					
				-					
DDM Golovit/Technician TriM6dia				12					
		DDM	Geologiet/Tool	ician	<u>'</u> ]		<u> </u>		TriMedia

Facility/Project Name			Driller/Drill Rig		Boring Number			
Former Cliffs-I	Dow Plant Site, Mare	auette. MI		TriMedia/Geo Probe		SS-8		
Site Address/L		quette, 1711		Technician	Drilling Method	Borehole	e Dian	neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl	nes	
	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	5' BSG			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-2" WELL GRADED GR	AVEL	GW		
			-	2-24" COAL				
			-	Black coal, ash, wood debris				
			-					
			-					
			1 -					
			-					
			-					
	24"		-					
	24		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			-	0.00 WOOD DEPON				
			4	0-8" WOOD DEBRIS				
			-					
			-					
			-	8-38" WELL GRADED SA	AND	SW		
			5	Fine grained sand, gray, wet	•			Wet @ 5' BSG
			-					
			-					
			-					
	38"		6					
			-					
			-					
			-					
			7					
			-					
			-					
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			8	EOB				
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			9					
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			- 10					
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			11					
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			-					
			-					
			12					
	DDM Geologist/Technician			D1-61				TriMedia Consultants

Facility/Project Name			Driller/Drill Rig	Boring Number				
Former Cliffs-I	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-9		
Site Address/L				Technician	Drilling Method	Borehol		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque				99-059	4'6" BSG			
				Start Date	Well Name			
				8/20/2009	N/A Grid Location			
				Completion Date	Grid Location			
TDIMEDIA				8/20/2009			1	
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-3" GRAVEL				
			-	3-5" ROCK				
			-	5-27" COAL				
			-	Black coal, ash, debris.				
			1					
			-					
			-					
	_		-					
	29"		2					
			-	27-29" TAR				-
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-3" WOOD DEBRIS				
			-	3-22" WELL GRADED S.	AND	SW		_
			-	Fine grained sand, wet, gray	/.	511		Wet @ 4'6" BSG
			-					
			5					
			-					
			-					
			-					
	22"		6					
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			8	†				
			-					
			-					
			-					
			9					
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			10					
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			-					
			-					
			11					
			-					
			-					
			-					
			12					
								TriMedia
DDM Geologist/Technician			D 1 . 61				TriMedia Consultants	

Facility/Projec	Facility/Project Name		Driller/Drill Rig	Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette MI		TriMedia/Geo Probe		SS-10		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Diam	eter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl		
Site Owner (If	different than above	ve.)		Project Number	Groundwater Depth	Comme		
City of Marque	tte			99-059	N/A			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW	DEDEN			Traca	DID	DELCA DVG
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
TOMBER			0					
			-					
			-	Refusal at 8"				
			-	EOB				
			- 1					
			-					
			-					
			-					
			2					
			-					
			-					
			-					
			- 2					
			3 -					
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			-					
			12					
								Volume of the
	DDM Geologist/Technician		D 1 . 61				TriMedia consultants	

Facility/Project Name			Driller/Drill Rig	Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette. MI		TriMedia/Geo Probe		SS-11		
Site Address/L	ocation	,		Technician	Drilling Method	Borehol	e Diam	eter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc	hes	
Site Owner (If	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	N/A			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0					
			-	D C 1 . C!!				
			-	Refusal at 6" EOB				
			-					
			- 1					
			-					
			-					
			-					
			- 2					
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	1				
			-					
			-					
			-					
			- 5					
			-					
			-					
			-					
			6					
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			8					
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			- 11					
			-					
			-					
			-					
			-					
			12					
	DDM Geologist/Technician			D1-61		•		TriMedia Consultants

Teither Control   Process   Section   Sectio	Facility/Project Name			Driller/Drill Rig	Boring Number				
Weight Six Educations   Block Minegenetic Mil   Project Number   Groundwater Duplie   Clay of Managenetic   Project Number   Groundwater Duplie   Clay of Managenetic   Project Number   Groundwater Duplie   Clay of Managenetic   Project Number   Proje	Former Cliffs-I	Dow Plant Site, Mar	quette, MI				SS-12		
Project Number   Groundwater Depth   Quantity   Project Number   Groundwater Depth   Quantity   Q					Technician	-		e Dian	neter
Section   Sect						Direct Push			
Surt Date			ve.)		Project Number	Groundwater Depth	Comme	nts	
TRIMEDIA   SAMPLE   NECOVERED   RECOVERED   RECOVERED   RECOVERED   RECOVERED   COUNT   COUN									
Completion Date   Colif Location   S202009									
TRIMEDIA   SAMPLE									
TRINGEN   RECOVERED   REW   COUNT						Grid Escation			
NAMER   RECOVERED   COUNT	TRIMEDIA				8/20/2009				
0   6-7" WELL GRADED SAND   SW   Fine to readoung granted sand, dark brown.   SW   Fine princed sand with nock, pule.   1-21" WELL GRADED SAND   SW   Fine grained sand, dark reddish-brown.   SW   Fine grained sand, gray.   SW   SW   SW   SW   SW   SW   SW   S	SAMPLE			DEPTH			USCS	PID	REMARKS
Fine to medium grained and, dark brown.	NUMBER	TEEGO (EIEEE	000112	0	0.7" WELL CDADED SA	ND	CW/		
7-9" WELL GRADED SAND Pine grained sand with rock, pale. Pine grained sand with rock, pale. Pine grained sand disk roklich-brown.  19"  2					Fine to medium grained sand	d, dark brown.	5 W		
1   Fine grained and with rock, pale.				-					
1   2-12" WELL GRADED SAND   12-19" FEAT				-			SW		
Fine grained and, dark reddish-brown.					Fine grained sand with rock	, pale.	SW		
28"    10"   2   2   3   3   3   3   3   3   3   3					Fine grained sand, dark redd	lish-brown.	5,,,		
19"					12-19" PEAT				
2									
28"		19"							
3									
3				-					
3				-					
1									
## ## ## ## ## ## ## ## ## ## ## ## ##				-					
## ## ## ## ## ## ## ## ## ## ## ## ##				-					
9-19" WOOD DEBRIS  - 19-28" WELL GRADED SAND Fine grained sand, gray.  Wet @ 6" BSG  - 10				-					
9-19" WOOD DEBRIS  - 19-28" WELL GRADED SAND Fine grained sand, gray.  Wet @ 6" BSG  - 10				-	O OU DE ATE				
19-19" WOOD DEBRIS					0-9" PEAT				
9-19" WOOD DEBRIS									
19-28" WELL GRADED SAND   SW   Fine grained sand, gray.   Wet @ 6' BSG					9-19" WOOD DEBRIS				
19-28" WELL GRADED SAND   SW   Fine grained sand, gray.   Wet @ 6' BSG				-					
Fine grained sand, gray.  Fine grained sand, gray.  Wet @ 6' BSG  Fine grained sand, gray.  Wet @ 6' BSG  Wet @ 6' BSG  Fine grained sand, gray.  Wet @ 6' BSG									
28"					19-28" WELL GRADED S	SAND	SW		
28"  6					Fine grained sand, gray.				
		28"		-					
				6					Wet @ 6' BSG
				-					
				-					
				-					
8 EOB				7					
8 EOB									
8 EOB									
					707				
					EOB				
				-					
9				-					
10 - - 10 - - - - - - - - - - - - -				-					
				_					
				-					
				-					
11 - - - - - - 12				-					
11 - - - - - - 12				-					
12				11					
12				-					
12				-					
DDM Geologist/Technician TriMedia				12					
		DDM Geologist/Lechnician			1				TriMedia

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-D	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-13		
Site Address/L	ocation	, ,		Technician	Drilling Method	Borehole	e Dian	neter
Wright St & Lal	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl	nes	
Site Owner (If	different than abo	ve.)		Project Number	Groundwater Depth	Comme		
City of Marquet	tte			99-059	5' BSG			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	DI OW		3) #0) #002	1			
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-12" COAL				
			-	Black coal, wood debris.				
			-					
			-					
			-					
			1					
			-					
			-					
		1	-					
	12"		2					
			-					
			-					
		1	-					
			-					
		1	3					
			-					
		1	-					
			-					
			-	a di mood perdic				
			4	0-4" WOOD DEBRIS				
			-					
			-					
			-					
		1	5	4-14" WELL GRADED S	AND	SW		Wet @ 5' BSG
			-	Fine grained sand, wet, gray	/.			
			-					
		1	-					
	14"		-					
	14	1	6	EOD				
			-	EOB				
			_					
			-					
			7					
		1	-					
			-					
		1	-					
			-					
			8					
			-					
		1	-					
		1	-					
			-					
		1	9					
			-					
		1	-					
		1	-					
			10					
		1	-					
			-					
		1	-					
		1	-					
			11					
		1	-					
			-					
		1	-					
			- 10					
		1	12					
	DDM	Geologist/Techni	ician	1				TriMedia

Facility/Project Name		Driller/Drill Rig	Boring Number						
Former Cliffs-D	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-14			
Site Address/L		_					orehole Diameter		
Wright St & Lai	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl			
Site Owner (If City of Marquet	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts		
City of Marque				99-059	5' BSG				
				Start Date	Well Name				
				8/20/2009	N/A				
				Completion Date	Grid Location				
		,		8/20/2009			Г		
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS	
NUMBER	-mee ( babb	233111	0	0-5" GRAVEL					
			-	5-12" COAL				-	
			-	Black coal, ash, debris.					
			-						
			1	12-17" WELL GRADED SAND		SW		+	
			-	Fine grained sand with coa	Fine grained sand with coal, gray.				
			-	17-22" COAL					
			-	Black coal, debris.					
	22"		-						
			2						
			-						
			-						
			-						
			3						
			-						
			-						
			-						
			4	0-6" WOOD DEBRIS				-	
			-	- 11 COD DEDICIO					
			-	6 13" WELL CDADED	SAND	SW			
			-	6-13" WELL GRADED S Fine grained sand, wet, gra	DANU Ny.	2M			
			-	,	•			W O. 51 F. C. C.	
			5					Wet @ 5' BSG	
			-						
			-						
	4.57		-						
	13"		6						
			-	EOB					
			-						
			-						
			7						
			-						
			-						
			-						
			-	1					
			8						
			-						
			-						
			-						
			9						
			-						
			-						
			-						
			-						
			10						
			-						
			-						
			-						
			11						
			-						
			-						
			-						
			12						
			12						
	DDM Geologist/Technician			1				TriMedia	

Facility/Project Name		Driller/Drill Rig		Boring Number					
Former Cliffs-D	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-15			
Site Address/L		-		Technician Drilling Method			Borehole Diameter		
Wright St & Lal	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl			
Site Owner (If City of Marquet	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts		
City of Marquei	ue			99-059	5' BSG				
				Start Date	Well Name				
				8/20/2009	N/A				
				Completion Date	Grid Location				
				8/20/2009					
TRIMEDIA	LENGTH	BLOW	DEDES			*10.00	D**	DELCA DATE	
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS	
1, SMIDER			0	0-12" WELL GRADED S	AND	SW			
			-	Fine grained sand, brown.					
			-						
			-						
			1	12-24" COAL				-	
			-	Black coal, ash, debris.					
			-						
			-						
	24"		-						
			2						
			-						
			-						
			-						
			3						
			-						
			-						
			-						
			4	0-7" COAL					
			-	Black coal, debris.					
			-	,					
			-	7-10" WELL GRADED S	AND	SW		-	
			-	Fine grained sand, gray.		5,,,			
			5					Wet @ 5' BSG	
			-						
			-						
			-						
	10"		6						
			-	EOB					
			-						
			-						
			-						
			7						
			-						
			-						
			-						
			8						
			-						
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			-						
			10						
			-						
			-						
			-						
			- 11						
			-						
			-						
			-						
			-						
			12						
	DDM	Geologist/Techni	cian	i 1				TriMedia	

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-D	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-16		
Site Address/L	ocation			Technician Drilling Method		Borehol		neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	ne			99-059	5' BSG			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW	DEF			****	D	DED. (
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-5" WELL GRADED SA	AND	SW		
			-	Fine grained sand, dark bro	wn.			
			-	5-14" WELL GRADED S	AND	SW		_
			-	Medium grained sand, redd				
			1					
			-	14-20" COAL				-
			-	Black coal, ash, debris.				
			-					
	28"		-	20-28" WELL GRADED	SAND	SW		1
			2	Fine grained sand, dark bro	wn.			
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-5" WOOD DEBRIS				-
							<u>L</u>	
				5-12" WELL GRADED S	AND	SW		
			-	Fine grained sand, gray.				
			-					
			5					Wet @ 5' BSG
			-					
			-					
			-					
	12"		6					
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			-					
			8					
			-					
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			10					
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			11					
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			-					
			-					
			12					
			12					
	DDM Geologist/Technician			1			-	TriMedia

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-D	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe	SS-17			
Site Address/L	ocation			Technician	Borehole Diameter			
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	ne			99-059	5' BSG			
				Start Date	Well Name			
				8/20/2009	N/A			
				Completion Date	Grid Location			
				8/20/2009				
TRIMEDIA	LENGTH	BLOW	DEDELL			TIGGG	DID	DEM A DEG
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
Newper			0	0-4" WELL GRADED SA	ND	SW		
			-	Fine grained sand, black.  4-6" ROCK				
			-	6-7" WELL GRADED SA	ND	SW		
			-	Fine grained sand, black.				
			1	7-14" WELL GRADED SAND Fine grained sand, dark brown.		SW		
			-	i ine grained saild, dark oro	W11.			
			-					
			-					
	14"		-					
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-4" WELL GRADED SA	ND	SW	-	-
	-			Fine grained sand, dark bro	wn.			
		-		4-22" WELL GRADED S	AND	SW		
			-	Fine grained sand, gray.				
			-					
			5					Wet @ 5' BSG
			-					
			-					
			-					
	22"		6					
			-	EOB				
			-					
			-					
			- 7					
			-					
			-					
			-					
			-					
			8					
			-					
			-					
			-					
			9					
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			-					
			- 10					
			10					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
			12					
	DDM Geologist/Technician			7				TriMedia

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-18		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque				99-059	4'2" BSG			
				Start Date	Well Name			
				8/21/2009	N/A Grid Location			
				Completion Date	Grid Location			
TRIMEDIA				8/21/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT			N. T.			
			0	0-3" WELL GRADED SA Medium grained sand, and	ND organic material, black.	SW		
			-	3-15" WELL GRADED S	AND	SW		
			-	Medium grained sand, and brown.	organic material, light			
			-					
			1 -					
			-	15-18" WELL GRADED SAND Medium grained sand, and organic material, dark brown.		SW		
			-					
	10"		-					
	18"		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-2" DEBRIS				Wet @ 4'2" BSG
			-	Black, wood, debris and tar				Wet @ 42 B30
			-	2-24" WELL GRADED S	AND	SW		
			-	Medium grained sand, satur	rated, gray			
			-					
			5					
			-					
			-					
	24"		-					
	24"		6	TO D				
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			- 8	+				
			-					
			-					
			-					
			9					
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			-					
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			-					
			10					
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			-					
			11					
			-					
			_					
			-					
			12					
DDM Geologist/Technician			D1-61				TriMedia Consultants	

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-19		
Site Address/L				Technician Drilling Method Borehole Diameter			neter	
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc	hes	
Site Owner (If	different than abo	ve.)		Project Number	Groundwater Depth	Comme		
City of Marque	tte			99-059	N/A			
				Start Date	N/A Well Name			
				8/21/2009 Completion Date	N/A Grid Location			
					Grid Location			
				8/21/2009				
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-9" WELL GRADED S	AND	SW		
			-	Medium grained sand with	1 rocks, brown.			
			-					
			-					
			-	9-27" COAL Black coal, debris.				
			1 -	Black coal, deblis.				
			-					
			-					
			-					
	27"		2					
		1	-					
		1	-					
			-					
			-					
			3					
			-					
			-					
			-					
			-	A OU DOCKE AND COA	Υ			
			4	0-8" ROCKS AND COA Tar on rocks.	<u>.L</u>			
			-	Tai oii rocks.				
			-					
			-					
			5					
			-					
			-					
			-					
			-					
	8"		6					Refusal @ 6' BSG
			-	EOB				
			-					
			-					
			-					
		1	7					
		1	-					
			-					
		1	-					
		-	- 8	4				
		1	-					
		1	-					
			-					
		1	-					
		1	9					
			-					
		1	-					
			-					
			-					
		1	10					
			-					
		1	-					
		1	-					
			- 11					
		1	11 -					
		1	-					
			-					
		1	-					
			12					
	DDM	Geologist/Techni	ician	1				TriMedia

Facility/Projec	Facility/Project Name			Driller/Drill Rig	Boring Number			
	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-20		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque				99-059	3'6" BSG			
				Start Date	Well Name			
				8/21/2009	N/A Grid Location			
				Completion Date	Grid Location			
TRIMEDIA				8/21/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-2" WELL GRADED SA Medium grained sand, brown	<u>ND</u> n.	SW		
			-	2-18" SILTY SAND		ML		
			-	Silty sand and gravel, well g	raded, black.			
			-					
			1					
			-					
			-	18-28" ORGANIC MATE	RIAL	OL		
	20"		-					
	28"		2					
			-					
			-					
			-				15.0	
			3					
			-					
			-					
			-					
			4	0-3" ORGANIC MATERI	AT.	OL		
			-	Black organic material.				
			-	3-6" POORLY GRADED SAND Medium grained sand, blackish-gray, saturated.		SP		Saturated at 3'6" BSG
			-	Medium grained sand, black 6-22" POORLY GRADED	SAND	SP		
			-	Medium grained sand, brown	nish-gray, saturated.			
			5					
			-					
			-					
	22"		-					
	22"		6	EOR				
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			- 8	-				
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
			12					
	DDM Geologist/Technician			D 1 . 6.1				TriMedia

Trivince	Facility/Project Name		Driller/Drill Rig	Boring Number					
Wight St. Line-thorn Blod, Margarite, Margarite (City of Marragente City of Marragente			quette, MI						
Project Number   Proj				·	Technician	Drilling Method			neter
Section   Sect									
TRIMEDIA			ve.)		Project Number	Groundwater Depth	Comme	nts	
TRINEPION   ANAPPIE   RECOVERED   COUNT   DEPTH   COUNT   ST21/2000   ST21/2	City of Marque	iic							
Completion Date   Column   C					Start Date	Well Name			
TRINEDIA   ALENGTH   STONE   CONT									
TRAINER   NUMBER   RECOVERED   NUMBER						Grid Location			
NUMBER					8/21/2009				
1		LENGTH	BLOW	DEPOY			Traces	DAK	DEMARKS
0				DEPTH			USCS	PID	KEMAKKS
Medium grained sand and gravel, brown.	TOMBER			0			SP		
Sand with ash and gravel, black.    1					Medium grained sand and	gravel, brown.	CD.		-
28" POORLY GRADED SAND Medium grained sand and grave to house.  20 22" POORLY GRADED SAND Selection of the s					Sand with ash and gravel,	black.	SP		
1				-	g g y.,				
17.20" POORLY GRADED SAND   SP   Medium grained sand and gravel, brown.   OL   OL   OL   OL   OL   OL   OL   O									
28"								<u>L</u>	
28"   29-2" ORGANIC SOIL   OL   Organic mental woody debrits, dark brown.   OL   Organic mental woody debrits, dark brown.   SP   Medium grained sand, dark gray, saturated.   SP   Saturated @ 24" BSG   Saturated @ 24" BSG   Set   Organic mental woody debrits, dark brown.   SP   Organic mental woody debrits, dark gray, saturated.   Organic mental woody debrits, dark gray, satura									
28"    Cogniss material, woody debris, dark brown.   Carlot   Carl							OI.		-
22" Note of the property of th		28"		-	Organic material, woody of	debris, dark brown.			
22" FOORLY GRADED SAND Medium graned sand, dark gray, saturated.  5		20					SP		Saturated @ 24" BSG
22"  4					medium grained sand, dar	k gray, saturated.			
22" POORLY GRADED SAND Medium grained sand, dark gray, saturated.  5				-					
22"  4									
22" NOORLY GRADED SAND  Medium grained sand, dark gray, saturated.  5									
22" O DORLY GRADED SAND  Medium grained sand, dark gray, saturated.  5				-					
22" O DORLY GRADED SAND  Medium grained sand, dark gray, saturated.  5				-					
### ### ##############################									
22" Medium grained sand, dark gray, saturated.					0.440 DOODI */ CD / T	ED CAND	C.P.		_
22"							SP		
22"  6					James Sand, dar	g,,			
22"  6				-					
22"    FOB									
6									
6				-					
6				-					
6				-					
- EOB		22"							
					EOB				
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TriMedia									
DDM G. L. VIII. L. VI		12							
		DDM Geologist/Technician			1		1	1	TriMedia

Facility/Projec	Facility/Project Name			Driller/Drill Rig	Boring Number			
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-22		
Site Address/L					rilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number G	roundwater Depth	Comme	nts	
City of Marque	atc.			99-059	4' BSG			
				Start Date W	Vell Name			
				8/21/2009	N/A			
					rid Location			
TO INTENTA				8/21/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT	0			an.		
			0	0-4" POORLY GRADED SA Medium grained sand, brown.	<u>IND</u>	SP		
			-	4-13" POORLY GRADED S.		SP		
			-	Medium grained sand and grave brown.	ei, biackish-			
			-		CAND	CD		
			1 -	13-18" POORLY GRADED S Medium grained sand, reddish-		SP		
			-	g				
			-	18-21" WELL GRADED SAN	ND	SW		
	28"		-	Medium grained sand, light gra	ıy.	SW		
	20		2		21-23" WELL GRADED SAND Medium grained sand, black, with organic material.			
			-	23-25" WELL GRADED SAND		SW		
			-	Coarse sand, tan. 25-28" POORLY GRADED S	SAND	SP		
			-	Medium grained sand, ash, gra		51		
			3					
			-					
			-					
			-					Saturated @ 4' BSG
			4	0-8" WELL GRADED SAND		SW		
			-	Medium grained sand, gravel, s blackish gray.	saturated,			
			-	8-22" POORLY GRADED S.		SP		
			-	Medium grained sand, saturated	d.			
			5					
			-					
			-					
			-					
	22"		6					
			-	EOB				
			-					
			-					
			7					
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12								
-	DDM Geologist/Technician			D1-61				TriMedi

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-I	Dow Plant Site, Mare	quette, MI		TriMedia/Geo Probe				
Site Address/L		•		Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 incl		
City of Marque	different than above tte	ve.)		Project Number	Groundwater Depth	Comme	ıts	
				99-059 Start Date	4'11" BSG Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
	T	T		8/21/2009				
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-5" ORGANIC MATERIA Black sand, gravel, and organ		OL		
			-	5-7" POORLY GRADED S	SAND	SP		
				Medium grained sand, brown 7-9" POORLY GRADED S		SP		
			-		Medium grained sand and gravel, brown.			
			1 -	9-12" WELL GRADED SA Medium grained sand and gr	avel, brown.	SW		
			-	12-16" WELL GRADED S	AND	SW		
			-	Medium grained sand, black 16-26" POORLY GRADER		SP		
	28"		-	Medium grained sand, light l				
			2	26-28" POORLY GRADE	O SAND	SP		
			-	Silty sand and organic material, dark brown.				
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-11" ORGANIC MATER Black organic material and s		OL		
			-					
			-					
			-	11-37" POORLY GRADE		SP		Saturated at 4'11" BSG
			5	Medium grained sand, satura	ted, dark gray.			
			-					
			-					
	37"		-					
			6					
			-					
			-					
			-					
			7					
			-					
			-					
			- 0	EOP				
			8 -	EOB				
			-					
			-					
			-					
			9					
			-					
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			-					
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			11 -					
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			-					
12								
	DDM Geologist/Technician			D1-61				TriMedia Consultants

Facility/Projec	Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-24			
Site Address/L	ocation			Technician	Drilling Method	Borehol		neter	
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl			
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts		
City of Marque	iic			99-059	4'5" BSG				
				Start Date	Well Name				
				8/21/2009	N/A				
				Completion Date	Grid Location				
	1	1		8/21/2009					
TRIMEDIA	LENGTH	BLOW	DEPTH			USCS	PID	DEMARKS	
SAMPLE NUMBER	RECOVERED	COUNT	DEFIR			USCS	עניו	REMARKS	
			0	0-10" POORLY GRADE	D SAND	SP			
			-	Medium grained sand, orga	nic material, black.				
			-						
			-	10-17" POORLY GRADI	ED SAND	SP			
			1	Medium grained sand, grav	el, coal, debris, black.	3F			
			-						
			-						
			-						
			2						
			-						
			-						
			-						
			-						
			3						
			-						
			-						
			-						
			4	0-5" ORGANIC MATER	<u>IAL</u>	OL			
	-			Black, wood debris.  5-13" POORLY GRADE	D SAND	SP		Saturated at 4'5" BSG	
				Sand, gray, saturated.	U SANU	SP		Data at 4.3 DSU	
			-	Sand, gray, saturated.					
			5						
			-						
			-						
			-						
			-						
			6 -	EOB		_			
			-						
			-						
			-						
			7						
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			-						
			12						
			14						
	DDM	Geologist/Techni	ician	1	-			TriMedia	

Facility/Project Name		Driller/Drill Rig Boring Number			er			
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-25		
Site Address/L				Technician	Drilling Method	Borehole Diameter		
Wright St & La	keshore Blvd, Marq	juette, MI		DDM	Direct Push	2.25 inc	hes	
	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	4'10" BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
				8/21/2009				
TRIMEDIA	LENGTH	BLOW			"			
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-6" ORGANIC MATER	PIAT	OL		
			-	Organic material and sand,	black.			
			-	6-8" WELL GRADED S.		SW		
			-	Medium grained sand, dark 8-10" WELL GRADED S	SAND	SW		
			-	Course sand, tan.				
			1 -	10-12" DEBRIS Reddish-black.				
			-	12-14" WELL GRADED	SAND	SW		1
			-	Coarse sand, tan.				
			-	14-18" DEBRIS Reddish-black.				
	20"		2	18-20" WELL GRADED	SAND	SW		
			-	Medium grained sand and	gravel, dark brown.			
			-					
			-					
			- 2					
			3					
			-					
			-					
			-					
			4	0-10" SILTY SAND		SM		1
			-	Silty sand and gravel, poor	ly graded, brown.			
			-					
			-					Saturated @ 4'10" BSG
			5	10-18" POORLY GRAD Medium grained sand, satu		SP		
			5	iviculum gramed sand, satu	naicu, uaik giay.			
			-					
			-					
	10"		-					
	18"		6	FOR				
			-	EOB				
			-					
			-					
			7					
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			-					
			12					
	<u> </u>						1	Voltage 41
	DDM	Geologist/Techni	cian	I .				TriMedia

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-26		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	atte			99-059	N/A			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
TO THE STATE OF TH				8/21/2009				
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT	_					
			0	Organic material and sand,	RIAL black.	OL		
			-					
			-					
			-	11-12" POORLY GRADE	ED SAND	SP		
			1 -	Medium grained sand, dark 12-16" DEBRIS	brown.			
			-	Black woody debris.				
			-	16-22" DEBRIS				
	22"		-	Black woody debris.				
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-9" TAR AND DEBRIS				
			-	Black tar and woody debris	•			
			-					
			-					
			5					Refusal at 5' BSG
			-	EOB				
			-					
			-					
	9"		6					
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			- 8	-				
			-					
			-					
			-					
			9					
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			-					
			10					
			-					
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			11 -					
			-					
			-					
			- 12					
			12					
DDM Geologist/Technician				D1-61	·			TriMedia consultants

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Facility/Project	Facility/Project Name		Driller/Drill Rig		Boring l	Boring Number		
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-27		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq	nette MI		DDM	Direct Push	2.25 incl		
Site Owner (If	different than above	ve.)		Project Number	Groundwater Depth	Comme		
City of Marque	tte				_			
				99-059 Start Date	N/A Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
			I	8/21/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	No characterization				
			-					
			-					
			-					
			1					
			-					
			-					
			-					
			-					
			2	EOD				Refusal at 2' BSG
			-	EOB				
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4					
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			11					
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			-					
			-					
			12					
	DDM	Geologist/Techn	ician	1			_	TriMedia

Page 1 of 1

Facility/Project Name		Driller/Drill Rig Boring Number		er				
Former Cliffs-I	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-28		
Site Address/L	ocation			Technician	Drilling Method	Borehol		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 incl		
Site Owner (If City of Marque	different than abov	ve.)		Project Number	Groundwater Depth	Comme	ıts	
City of Marque	ne			99-059	5'10" BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
				8/21/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-13" POORLY GRADEI	O SAND	SP		
			-	Medium grained sand, silty,	sand and gravel,			
			-	brown.				
			-					
			-	12 15H CONCRETE				
			1 -	13-17" CONCRETE Broken concrete, gray.				
			-					
			-	17-22" BRICK				
		1	-	Broken brick, red.				
	22"	1	2					
			-					
		1	-					
			-					
			- 2					
			3					
			-					
			-					
			-					
			4	0-2" BRICK				
			-	Broken brick, red.				
			-	2-10" SILTY SAND Silty sand, coal, gravel, blace	·k	ML		
			-					
			-	10-18" POORLY GRADE		SP		Saturated at 5'10" BSG
			5	Medium grained sand, satur	ated, blackish-gray.			
			-					
			-					
			-					
	18"		6					
			-					
			-					
			-					
			-					
			7					
		1	-					
			-					
		1	-					
			8	EOB				
		1	-					
			-					
		1	-					
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			-					
			12					
			12					
	DDM	Geologist/Techn	ician	1			_	TriMedia

Facility/Projec	t Name			Driller/Drill Rig		Boring !	Numbe	er
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-29		
Site Address/L	ocation	•		Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	juette, MI		DDM	Direct Push	2.25 inc	hes	
Site Owner (If	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	N/A			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
				8/21/2009				
TRIMEDIA	I ENGINE	DY OTT		0/21/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	TELEG ( ETELE	000112	0	A 1011 DOODLY CD ADD	D CAND	CD		
			0	0-10" POORLY GRADE Medium grained sand, brow	vn.	SP		
			-					
			-					
			-	10-24" BRICK				-
			1	Broken brick, red-orange.				
			-					
			-					
			-					
	24"		2					Refusal at 2' BSG
			-	EOB				
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4					
			-					
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			-					
			12					
	DDM	Geologist/Techn	ician	7				TriMedia

Facility/Project Name		Driller/Drill Rig		Boring 1	Boring Number			
	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-30		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	ite			99-059	4'4" BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
				8/21/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-9" POORLY GRADED	SAND	SP		
			-	Medium grained sand, brov		51		
			-					
			-					
				9-15" SILTY SAND Medium grained sand and silt, dark gray.		ML		
			1 -	Medium grained sand and s	silt, dark gray.			
			-	15-20" POORLY GRADED SAND		SP		
			-					
	20"		-					
	20"		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			1	a di pendic				
			4	0-4" DEBRIS Gravel and woody debris, b	orown.			
			-	4-19" POORLY GRADE	D SAND	SP		Saturated at 4'4" BSG
		-	Medium grained sand, satu	rated, brownish-gray.				
			-					
			5					
			-					
			-					
			-					
	19"		- 6					
			-	EOB				
			-					
			-					
			-					
			7					
			-					
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			-					
			8	1				
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			-					
			10					
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			-					
			- 12					
			12					
	DDM	Geologist/Techni	ician	]		•		TriMedia

Facility/Project Name			Driller/Drill Rig		Boring Number			
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-31		
Site Address/L				Technician	Drilling Method	Borehol		neter
	keshore Blvd, Marq different than abo			DDM Project Number	Direct Push Groundwater Depth	2.25 inc		
City of Marque		ve.)			_	Comme	iits	
				99-059 Start Date	2'4" BSG Well Name			
				8/21/2009 Completion Date	N/A Grid Location			
				8/21/2009				
TRIMEDIA	LENGTH	BLOW	DEDEN			TIG GG	DVD	DELLA DEG
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
			0	0-5" POORLY GRADED Medium grained sand, brow	SAND	SP		
			-	5-12" SILTY SAND		ML		-
			-	Silty sand and gravel, black				
			-					
			1 -	12-19" SILTY SAND Silty sand and gravel, moist	. black.	ML		
			-	, ,	,			
			-	19-28"POORLY GRADED SAND		SP		1
	32"		2	Medium grained sand and gravel, black.				Tar odor.
			-	20 22H DC CTV	ID GAND			G
			-	28-32" POORLY GRADED SAND Medium grained sand, saturated, grayish-black.		SP		Saturated at 2'4" BSG
			-	J				
			3					
			-					
			-					
			-					
			4	EOB				
			-					
			-					
			-					
			5					
			-					
			-					
			- 6					
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			8					
			-					
			-					
			-					
			9					
			-					
			-					
			- 10					
			10					
			-					
			-					
			- 11					
			-					
			-					
			-					
			12					
		1		<u> </u> 1				TriMedia
	DDM	Geologist/Techn	ician	D1-61				Consultants

Facility/Project Name		Driller/Drill Rig Boring Number		er				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-32		
Site Address/L		,		Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	atte			99-059	4'6" BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
TO TO TEN !				8/21/2009			1	
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-4" POORLY GRADED Medium grained sand, dark	brown.	SP		
			-	4-16" POORLY GRADEI	D SAND	SP		-
			-	Medium grained sand and g	gravel, brown.			
			-					
			1 -					
			-	16-26" POORLY GRADE		SP		
			-	Silty sand and gravel, black.				Tar odor.
	26"		-					
	26"		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-6" POORLY GRADED	SAND	SP		_
			-	Medium grained sand, orga		51		Tar odor.
			-					
			-	6-23" POORLY GRADEI	D SAND	SP		Saturated at 4'6" BSG
			-	Medium grained sand, satur				Tar odor.
			5					
			-					
			-					
	22"		-					
	23"		6	EOD				
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			- 8	-				
			-					
			-					
			-					
			- 9					
			-					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
			12					
DDM Geologist/Technician				D 1 . C1				TriMedia Consultants

Facility/Projec	Facility/Project Name			Driller/Drill Rig		Boring Number		
Former Cliffs-D	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-33		
Site Address/L	ocation			Technician	Drilling Method	Borehol		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than abo	ve.)		Project Number	Groundwater Depth	Comme		
City of Marque	πe			99-059	4'5" BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
				8/21/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-6" POORLY GRADED	SAND	SP		
			-	Medium grained sand, grav	el, brown.			
			-	6-26" SILTY SAND		ML		
			-	Silty sand and gravel, black				
			- 1					
			-					
			-					
			-					
	26"		-					
	20		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			- 4	0-5" SILTY SAND		) Ar		
			4	Silty sand, poorly graded, g	ravel, dark brown.	ML		
				5-16" SILTY SAND		ML		Saturated at 4'5" BSG
			-	Silty sand, poorly graded, g dark brown.	ravel, saturated,	ML Saturated at 4'5" BSG  SP		
			-	GLIK DIOWII.				Saturated at 4'5" BSG
			5	16 40H DOODY ** CD (=	ED CAND	CTD		
			-	16-20" POORLY GRADE Medium grained sand, satur	ED SAND rated, dark grav	SP		
			-	granica sana, satu				
			-					
	20"		6					
			-	EOB				
			-					
			-					
			- 7					
			7					
			-					
			-					
			-					
			8					
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
	12							
			12					
	DDM	Geologist/Techni	cian	1	-			TriMedia

Facility/Projec	Facility/Project Name		Driller/Drill Rig Boring Number			er		
Former Cliffs-I	Dow Plant Site, Mare	quette, MI		TriMedia/Geo Probe		SS-34		
Site Address/L		•		Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 incl		
City of Marque	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
				99-059	5' BSG			
				Start Date	Well Name			
				8/21/2009 Completion Date	N/A Grid Location	_		
					Giu Location			
TRIMEDIA				8/21/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	TELEG (EILE	000111	0	0-11" POORLY GRADED	CAND	SP		
			-	Medium grained sand and gr	avel, brown.	51		
			-					
			-					
			- 1	11-24" SILTY SAND Silty sand and gravel, poorly	graded	ML		
			-	Siny saine and graves, posity	Sittada			
			-					
			-					
	25"		2	24-25" WELL GRADED S	AND	SW		-
			-	Medium grained sand, tan.	<u> </u>	3 11		
			-					
			-					
			3					
			-					
			-					
			-					
			- 4	0-12" SILTY SAND		ML		
			4 -	Silty sand, saturated, black.		NIL		Tar odor.
			-					
			-					
			-	14 44!! DOOD! V CD A DE	CAND	CD		Cotomoto d ot 51 DCC
			5 -	12-22" POORLY GRADED Medium grained sand, satura	ted, dark gray.	SP		Saturated at 5' BSG
			-					
			-					
	29"		-	22-29" POORLY GRADED Medium grained sand, satura	D SAND	SP		
			6 -	Medium grained sand, satura	ted, black.			
			-					
			-					
			7					
			-					
			-					
			- 0	EOP				
			8 -	EOB				
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			11 -					
			-					
			-					
			-					
			12					
	DDM	Geologist/Techn	cian	D1-61			•	TriMedia Consultants

Facility/Projec	acility/Project Name		Driller/Drill Rig	er/Drill Rig Boring Number		er		
	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-35		
Site Address/L	ocation			Technician	Drilling Method	Borehol		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Manque	iic			99-059	4' BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
	T			8/21/2009				T
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-18" WELL GRADED S Medium grained sand, bro	SAND	SW		
			-	France said, 515				
			-					
			-					
			1					
			-	18-23" SILTY SAND		ML		-
			-	Silty sand and gravel, poor	rly graded, dark brown.	IVIL		
			-					
	23"		2					
			-					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-16" SILTY SAND		ML		Saturated at 4' BSG
			-	Silty sand, saturated, black	<b>ι</b> .			Tar odor.
			-					
			-					
			5					
			-					
			-	17 4111 BOODY V OF 17	ED CAND	an.		
			-	16-21" POORLY GRAD Medium grained sand, satu	ED SAND trated, black	SP		Tar odor.
	21"		-	sand, sand				
	21		6	EOB				
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			- Q	4				
			8 -					
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
			12					
		<u> </u>	<u> </u>					Voltage die
	DDM	Geologist/Techni	ician					TriMedia

Facility/Projec	t Name			Driller/Drill Rig		Boring !	Numbe	er
	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-36		
Site Address/L	ocation			Technician	Drilling Method	Borehol		neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	ne			99-059	2' BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
			1	8/21/2009			1	
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	ALCO (LILLE	000112	0	0-11" POORLY GRADE	D CAND	SP		
			-	Medium grained sand, trace	gravel, brown.	51		
			-					
			-					
			-	11-22" POORLY GRADI	ED SAND	SP		
			1 -	Medium grained sand and g	gravel, brown.			
			-					
			-					
	25"		-	22-25" SILTY SAND		ML		Saturated at 2' BSG
	23		2	Silty sand and gravel, satur	ated, black.			
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	EOB		_		
			-	200				
			-					
			-					
			-					
			5					
			-					
			-					
			-					
			6					
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			- 8	-				
			-					
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			- 11					
			-					
			-					
			-					
			- 12					
			12					
	DDM	Geologist/Techn	ician	]				TriMedia

Technic Clife   Doe Plan Sige, Margaette, MI	Facility/Projec	t Name			Driller/Drill Rig		Boring !	Numbe	er
Wight St. clase-loop   Blod, Manageme, M.			quette, MI						
Project Number   Proj						_			neter
City of Marquette   Sec   Se									
No.			ve.)		Project Number	Groundwater Deptn	Comme	nts	
TRINEDIA   ANALY   RECUVERED   COINT	ony or marque								
Competition Date   State   S					Start Date	Well Name			
TRINEDIA   SAMPLE   NUMBER									
TRINEIDA   COUNT   C					Completion Date	Grid Location			
NAMPIE   RECOVERED   COINT   DEPTH   COINT					8/21/2009				T
See See FORDITY GRADED SAND   SP	SAMPLE			DEPTH			USCS	PID	REMARKS
26"  Slity sand and gravel, poorly graded, black.  BR-26" NHTY SAND Slity sand and gravel, grayish-black.  170 Stong petroleum odor.  180 Stong petroleum odor.  180 Stong petroleum odor.  181 Saturated at 4" BSG Saturated at 4	NONIBER			0	0-5" POORLY GRADED	SAND	SP		
Silty sand and gravel, poorly graded, black.    Silty sand and gravel, poorly graded, black.   ML					Medium grained sand and g	ravel, brown.			
Sity sand and gravel, proority graded, black									
1							ML		
12"   BOB					Silty sand and gravel, poorl	y graded, black.			
12"									
26'    Silty sand and gravel, grayish-black.   170   Stong petroleum odor.				-					
26'    Silty sand and gravel, grayish-black.   170   Stong petroleum odor.				-	18-26" SILTY SAND		MI.	-	-
12"		26"		-	Silty sand and gravel, grayi	sh-black.		170	Stong petroleum odor.
12"   Saturated at 4' BSG		20							
12"				-					
12"   Saturated at 4' BSG									
3									
12"   Saturated at 4" BSG									
12"   Saturated at 4" BSG   Saturated at 4" BSG				-					
12"   Saturated at 4" BSG   Saturated at 4" BSG				-					
4   0-6" SILTY SAND   Silty sand and gravel, saturated, grayish-black.   ML   Saturated at 4" BSG									
Sity sand and gravel, saturated, grayish-black.					O CH CITY TOXY CLAND		200		a
12"   6-12" POORLY GRADED SAND   Medium grained sand saturated, dark gray.   SP									Saturated at 4' BSG
Comparison of the comparison					, said and graver, satura	, graj sar otack.			
12"   Medium grained sand saturated, dark gray.					6 12" DOODLY CD ADE	DEAND	CD		
12"    FOB					Medium grained sand saturated, dark gray.		SP		
12"				5					
12"									
6 - EOB				-					
6 - EOB				-					
- EOB		12"							
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7					EOB				
				-					
				-					
				-					
8 8									
8 8									
8									
					1				
				-					
				- 0					
10									
11				-					
11									
DDM Galaint Antinia									
DDM Galaint Antinia				-					
DDM Calaint taking									
DDM Calaistication Trimedia				-					
DDM Carlasia Trimadia				12					
DDM Geologist/Technician		DDM	Gaalagi-t/T1	ician				1	TriMedia

Facility/Projec	t Name			Driller/Drill Rig		Boring l	Numbe	er
Former Cliffs-D	Oow Plant Site, Mare	quette, MI		TriMedia/Geo Probe		SS-38		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than abov	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	4' BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
				8/21/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-10" POORLY GRADE	D SAND	SP		
			-	Medium grained sand and g				
			-					
			-					
			-	10-27" POORLY GRADI Medium grained sand and g	ED SAND	SP		
			1 -	black.	gravei, cnarcoai,			
			-					
			-					
	32"		-					
	34		2	27-32" SILTY SAND		CM	-	
			-	Silty sand, brownish-black.		SM		
			-	oney said, orowing cales.				
			-					
			3					
			-					
			-					
			-					
			- 4	0-20" POORLY GRADE	D C A NID	SP		C-tt-d-t 4! DCC
			4	Medium grained sand, dark		SP		Saturated at 4' BSG.
			-	<b>3</b>	<i>3</i> ·· <i>3</i> ·			
			-					
			-					
			5					
			-					
			-					
			-					
	20"		6					
			-	EOB				
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			8					
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
			12					
	DDM Geologist/Technician			1				TriMedia

Facility/Project	t Name			Driller/Drill Rig		Boring l	Numbe	er
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-39		
Site Address/L		•		Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	juette, MI		DDM	Direct Push	2.25 inc	hes	
	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	4'9" BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
				8/21/2009				
TRIMEDIA				0/21/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-9" POORLY GRADED Medium grained sand and	O SAND gravel_reddish_brown	SP		
			-	Wiedram gramed sand and	graver, reduisir brown.			
			-					
			-	9-12" POORLY GRADE	D SAND	SP		-
			1	Medium grained sand and	gravel, dark brown.			
			-	12-15" POORLY GRAD	ED SAND	SP		
			-	Medium grained sand and 15-18" BROKEN CONC				-
			-	18-25" WELL GRADED	SAND	SW		
	25"		-	Medium grained sand, grav				
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4	0-9" POORLY GRADED Medium grained sand, orga		SP		
			-	Wiedium gramed sand, orga	anc material, black.			
			-					
			-	9-23" POORLY GRADED SAND Medium grained sand, saturated, dark gray.		SP		Saturated at 4'9" BSG
			5					
			-					
			-					
			-					
	23"		-					
	23		- 6	EOB				
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			-					
			8					
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			- 11					
			-					
			-					
			-					
			-					
			12					
				1			1	TriMedia
ĺ	DDM Geologist/Technician			1				TriMedia

Facility/Project	t Name			Driller/Drill Rig		Boring l	Numbe	er
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-40		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	atte			99-059	4'2" BSG			
				Start Date	Well Name			
				8/21/2009	N/A			
				Completion Date	Grid Location			
TO THE STATE OF TH				8/21/2009				
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT			7.1. N.T.			
			0	0-7" POORLY GRADED Medium grained sand, grave	SAND el.reddish-brown.	SP		
			-			93.6		
			-	7-20" SILTY SAND Silty sand, gravel, charcoal,	black.	SM		
			-	, , , , , , , , , , , , , , , , , , ,				
			1 -					
			-					
			-	20-27" TAR				
	27"		-	Tar, hard.				
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-2" TAR				
			-	Tar, hard. 2-8" POORLY GRADED	SAND	SP		Saturated at 4'2" BSG
			-	Medium grained sand, satura	ated, black.			
			-					
			5					
			-					
			-					
			-					
	8"		6	EOB				
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			8	1				
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
			12					
			12					
	DDM	Geologist/Techn	ician	D 1 . 61				TriMedia consultants

Facility/Project	t Name			Driller/Drill Rig		Boring N	Numbe	er
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-41		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 incl		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque				99-059	5'1" BSG			
				Start Date	Well Name			
				8/21/2009 Completion Date	N/A Grid Location			
					Grid Location			
TRIMEDIA				8/21/2009			l	
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT	0	0.011 DOODI V. CD ADED C	IAND	CD		
			0 -	0-9" POORLY GRADED S Medium grained sand, trace s		SP		
			-					
			-	9-21" SILTY SAND		SM		
			-	Silty sand, gravel, charcoal, b	olack.			
			1 -					
			-					
			-	21-24" BROKEN CONCRI	ETE			
	24"		- 2					
			2					
			-					
			-					
			- 2					
			3					
			-					
			-					
			-					
			4 -	0-4" POORLY GRADED S Medium grained sand, broke		SP		
			-	4-13" POORLY GRADED	SAND	SP		Strong petroleum odor.
			-	Medium grained sand, gravel	, very dark purple.			
			-					
			5	13-22" POORLY GRADEI	SAND	SP		Saturated at 5'1"
			-	Medium grained sand, satura				
			-					
	22"		-					
	22		6					
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			8	EOB				
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			10					
			-					
			-					
			-					
			11					
			-					
			-					
			-					
			12					
	DDM	C 1 · m ·		<u> </u> 			l	TriMedia
	DDM Geologist/Technician			D1-61				Consultante

Facility/Projec	t Name			Driller/Drill Rig		Boring !	Numbe	er
	Dow Plant Site, Mare	quette, MI		TriMedia/Geo Probe		SS-42		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than abov	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	пе			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
		ı		8/24/2009			1	
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT	0	O 44H CIV PRV C A NIP		G) f		
			0	0-11" SILTY SAND Silty sand, trace gravel, poor	orly graded, brown.	SM		
			-	, , , , , , , , , , , , , , , , , , , ,	,			
			-					
			-	11-19" SILTY SAND		SM		
			1	Silty sand, charcoal and gra	avel, poorly graded, brown.			
			-					
			-					
	1011		-					
	19"		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			- 4	0-8" POORLY GRADED	SAND	SP		Saturated at 4' BSG
			-	Medium grained sand, char		SF		Saturated at 4 DSO
			-					
			-					
			-					
			5					
			-					
			-					
	0"		-					Refusal at 6' BSG
	8"		6	EOB				
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			- 8	-				
			-					
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			9 -					
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			-					
			10					
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			-					
			-					
			11					
			-					
			-					
			-					
			12					
			12					
	DDM Geologist/Technician			1			_	TriMedia

Facility/Projec	t Name			Driller/Drill Rig		Boring !	Numbe	er
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-43		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 incl	hes	
Site Owner (If	different than above	ve.)		Project Number	Groundwater Depth	Comme		
City of Marque	tte			99-059	N/A			
				Start Date	Well Name			
				8/24/2009 Completion Date	N/A Grid Location			
TRIMEDIA				8/24/2009				
SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-10" POORLY GRADE	D SAND	SP		
			-	Medium grained sand, trac	e gravei, brown.			
			-					
			-	10-13" BROKEN CONC	рете			-
			- 1	Broken concrete and grave	<u>RETE</u> l.			
			-					
			-					
		1	-					
	18"		-					
	10		2	EOB				Refusal at 2' BSG
			-	EOD				
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4					
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			-					
			-					
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			-					
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		1	- 10					
			10					
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			-					
			11					
			-					
			-					
		1	-					
			- 12					
			12					
	DDM	Geologist/Techn	ician	7				TriMedia

Farmer Carlos Dovo Plant Size, Managenet, MI Six Address Accusation Wright Six Lake-shore Blvd, Managenet, MI Six Offer Front Plant Size Managenet, MI Six Offer Front Plant Size Managenet, MI Six Offer Front Plant Size Managenet, MI Six Offer Size Managenet MI Six Offer Size Mi Six Offer Size Managenet MI Six Offer Size Mi Six Offer S	Facility/Project	t Name			Driller/Drill Rig		Boring !	Numbe	er
Wight St. Lake-hore Blvd, Magaquete Micros Anne Bowe, City of Managente City of Managente State	Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-44		
Project Number   Coundwater Depth   Comments	Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
Section   Sect									
Nat   Pair   P			ve.)		Project Number	Groundwater Depth	Comme	nts	
Start Date   Wilson Date   Wilson   WA   Count   Cou	City of Marque	tte			99-059	4'11" BSG			
Completion Date   Sapage   Confidence   Completion Date   Completion Date   Confidence   Confi									
Completion Date   Sapage   Confidence   Completion Date   Completion Date   Confidence   Confi					8/20/2009	N/A			
REMEDIA   SAMPLE   RECUVERD   BLOW   COINT									
TRIMEDIA   SAMPLE   RECOVERED   COUNT   COUN									
SAMPLE   RECOVERD   COUNT   COUNT   COUNT   CRADED SAND   SP   Medition grained unid sind gravel, brown.   SP   Medition grained sand, dark brown.   SP   Medition grained sand, gravel, brown.   SP	TRIMEDIA				8/20/2009				
Medium grained sand and gravel, brown.    SP   Nother   SP				DEPTH			USCS	PID	REMARKS
Medium grained sand and gravel, brown.    Section   Sect	NUMBER	RECOVERED	COUNT						
### STIP FOORLY GRADED SAND    SP					Medium grained sand and o	SAND rravel brown	SP		
### CONCRETE    11-19* CONCRETE   11-19* CONCRETE   11-19* CONCRETE   11-19* CONCRETE   11-19* CONCRETE   12-19* CONCRETE   13-19* CONCRETE   14-19* CONCRETE   15-19* CONCRET					sand and g	graver, erown.			
11.19" POOK IN GRADED SAND   SP									
IL-9" POORLY GRADED SAND   SP					9-11" CONCRETE				
1					11-19" POORLY GRADI	ED SAND	SP		
2					Medium grained sand, grav	el, brown.			
SP Medium grained sand, dark brown.  SII' POORLY GRADED SAND Medium grained sand, saturated, black.  EOB  EOB  Refusal at 5' BSG  1  1  1  1  1  1  1  1  1  1  1  1  1									
Company   Comp			1						
4			1						
1				-					
1				-					
B-S** POORLY GRAINED SAND   SP				-					
B-S** POORLY GRAINED SAND   SP				3					
### ### ##############################				-					
### ### ##############################				-					
4   6.5" POORLY GRAINED SAND   SP   Medium grained sand, dark brown.   S-II" POORLY GRADED SAND   Medium grained sand, saturated, black.   SP   EOB     SP   SP   SP   SP   SP   SP   SP									
Medium grained sand, dark brown.									
S-II* POORLY GRADED SAND   Medium grained sand, saturated, black.   Refusal at 5' BSG							SP		
- Medium grained sand, saturated, black 5 - EOB 6 6 6 7 7 7 7					5-11" POORLY GRADED SAND				
Solution							SP		
S					Medium grained sand, satu	rated, black.			
EOB									Refusal at 5' BSG
6 6				-	EOB				
6				-					
6				-					
				6					
				-					
				-					
				-					
				7					
			1						
88									
8			1						
10 									
9									
9									
				-					
10									
10 - - - - - 11 - - - - - - - - - - - - -									
11									
11				-					
11									
- 12 Irinedia									
Trimedia				-					
12 Colored Tables									
DDM Codesia/Technica				-					
DDM Coloid/Tubidia				12					
		DD14	l		1			1	TriMedia

Facility/Project	ility/Project Name			Driller/Drill Rig		Boring Number			
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-45			
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter	
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc			
	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts		
City of Marque	tte			99-059	5'7" BSG				
				Start Date	Well Name				
				8/20/2009	N/A				
				Completion Date	Grid Location				
				8/20/2009					
TRIMEDIA	LENGTH	BLOW				****		P	
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS	
IVENIDER			0	0-9" POORLY GRADED	SAND	SP			
			-	Medium grained sand, trace	e gravel, brown.				
			-						
			-	9-19" SILTY SAND Silty medium grained sand		SM			
			- 1	black.	charcoai and gravei,				
			-						
			-	19-21" SILTY SAND		SM		-	
			-	Silty sand, very dark purple.		SM			
	27"		- 2	21-27" SILTY SAND					
			2	only sand, and organic mat	errar, Diack.				
			-						
			-						
			-						
			3						
			-						
			-						
			-						
			4	0-19" ORGANIC SOIL		OL			
			-	Organic material, moist, bl	ack.				
			-						
			-						
			5						
			-						
			-	19-30" POORLY GRAD	ED CAND	SP		Saturated at 5'7" BSG	
			-	Medium grained sand, satu	rated, gray.	SP		Saturated at 5 / BSG	
	30"		-		, ,				
			6						
			-						
			-						
			-						
			7						
			-						
			-						
			-						
			8	EOB					
			-						
			-						
			-						
			9						
			-						
			-						
			-						
			-						
			10						
			-						
			-						
			-						
			11						
			-						
			-						
			-						
			12						
			<u>-</u>						
	DDM	Geologist/Techni	cian	7				TriMedia	

Site Address/Location  Wright St & Lakeshore Blvd, Marquette, MI  Site Owner (If different than above.)  Pro City of Marquette	Media/Geo Probe chnician Drilling Method DDM Direct Po		Diameter
Site Address/Location  Wright St & Lakeshore Blvd, Marquette, MI  Site Owner (If different than above.)  City of Marquette	· ·		N:
Site Owner (If different than above.) City of Marquette	DDM Direct Po		
City of Marquette			
	oject Number Groundwater De	epth Comments	5
E4n-	99-059 N/A		
Star	rt Date Well Name		
C	8/24/2009 N/A		
Con	mpletion Date Grid Location		
TRIMEDIA LENCTH BLOW	8/24/2009		
SAMPLE RECOVERED COUNT DEPTH		USCS I	PID REMARKS
NUMBER	H BOODI W CD A DED CAND	SP	
-	" POORLY GRADED SAND	SP	
- 4-10	0" SILTY SAND	SM	
- <u>10-2</u>	28" SILTY SAND	SM	
1 Silty	y medium grained sand and gravel, poorly ded, dark red.		
23 2			
-			
3			
4 0-10	0" SILTY SAND	SM	
- Silty	y sand and gravel, poorly graded, very dark	red.	
-			
5			
3 -			
- EOI	R		Refusal at 5'6" BSG
- EOI	<b>.</b>		
10"			
6 -			
7			
8			
-			
9			
10			
-			
11			
- 11			
-			
12			
		1 1	1

Facility/Project	t Name			Driller/Drill Rig		Boring !	Numbe	er
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-47		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	пе			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
				8/24/2009				
TRIMEDIA	LENGTH	BLOW	DEDEN			TIGGG	DVD	DEM A DVG
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NONDER			0	0-8" POORLY GRADED	SAND	SP		
			-	Medium grained sand, trace	gravel, brown.			
			-					
			-	0.1411.033.033.033		03.4		
			1	8-11" SILTY SAND Silty sand, organic material	gravel black	SM		
			-	11-19" SILTY SAND	_	SM		
			-	Silty sand and gravel, very	dark red.			
			-					
	19"		-					
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
	4		4	0-11" ORGANIC SOIL		OL	####	Petroleum odor.
			-	Organic material, black.		02		r cu oicum ouor.
			-					
			-					
			=					
			5 -	11-22" ORGANIC SOIL Organic material and wood	debris black	OL		Saturated at 4'11" BSG
			-	organie materiai and wood	deoris, onen			
			-					
	24"		-	22-34" POORLY GRADE	ED SAND	SP		
	34"		6	Medium grained sand, satur	ated, brownish-gray.			
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			- 0	EOD				
			8 -	EOB				
			-					
			-					
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			-					
			-					
			12					
		I		1			1	TriMedia
1	DDM Geologist/Technician			1				111111111111111111111111111111111111111

Facility/Project Name		Driller/Drill Rig		Boring Number				
	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-48		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than abov	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date				
				8/24/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-6" POORLY GRADED	SAND	SP		
			-	Medium grained sand, trace	gravel, brown.			
			-	6-15" SILTY SAND Silty medium grained sand,	charcoal gravel	SM		
			-	poorly graded, black.	enarcoai, gravei,			
			-					
			1 -					
			-	15-23" SILTY SAND		SM		
			-	Silty medium grained sand, black.	ash, poorly graded,			
	20"		-					
	28"			23-28" TAR				
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4	0-3" TAR 3-10" POORLY GRADEI	CAND	SP		
			-	Sand, tar and organic mater	ial, black	51		
			-					
			-					
			5					Refusal at 5' BSG
			-	EOB				
			-					
			-					
	10"		- 6					
			-					
			-					
			-					
			-					
			7					
			-					
			-					
			-					
			8	1				
			-					
			-					
			-					
			- 9					
			-					
			-					
			-					
			-					
			10					
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			11					
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			-					
			- 12					
			12					
	DDM	Geologist/Techni	ician	]				TriMedia

	Facility/Project Name			Driller/Drill Rig		Boring Number			
Management	Former Cliffs-I	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-49		
Project Number   Proj					Technician	Drilling Method	Borehol	e Dian	neter
Sart Dair   Well Name									
Nation   N			ve.)		Project Number	Groundwater Depth	Comme	nts	
TRIMEDIA   LENGTH   NAME   RECOVERED   COINT   DEPTH   COINT   COINT	ony or marque								
Completion Date   Column   C									
TRINEDIA   ANAPPI									
RECOVERED   RECOVERED   NAMPLE   NAMPLE						Giu Location			
NUMBER	TRIMEDIA				8/24/2009				
Modifient grained sand, gravel, brown.  6-11*POORLY GRADED SAND Ping guided sand, gravel, brown.  6-11*POORLY GRADED SAND Ping guided sand, gravel, brown.  1 Modifient grained sand, gravel, brown.  1 Modifient grained sand, gravel, brown.  1 Modifient grained sand, concrete, debris, gravel.  1 brown and black.  1 19-23*POORLY GRADED SAND Sand and organic material, black.  2 Sand and organic material and gravel, black.  2 Sand and organic material and gravel, black.  3 Sand and organic material and woody debris, black.  4 B-5*ORGANIC SOIL Organic material and woody debris, black.  5 Saturated at 4*BSG  Refusal at 5.5*BSG  17* 6  10  10  10  10  11  11  11  11  11	SAMPLE			DEPTH			USCS	PID	REMARKS
Medium grained sand, gravel, torown.    Filt PROBALY GRADED SAND   SP	NUMBER	TEEG ( EIEE	000111	0	A 6" POODI V CDADED	SAND	CD		
6-Li* POORLY GRADED SAND				-			51		
Fine grained sand, gravel, twom.   SP					6-11" POORLY GRADEI	SAND	SP		
1   Medium grained sand, concrete, debris, gravel, brown and black.   19-23" POORLY GRADED SAND   SP				-	Fine grained sand, gravel, b	rown.			
brown and black.  19-23" POORLY GRADED SAND Sand and organic material, black.  22-32" POORLY GRADED SAND Sand and organic material and gravel, black.  Organic material, gravel, saturated, black.  Corganic material and woody debris, black.  Organic material and woody debris, black.  EOB  Refusal at 5.5' BSG  17'  10  10  11  11  11  11  11  11  11  1									
19-28* POORLY GRADED SAND   SP						,, .,			
19-28* POORLY GRADED SAND   SP				-					
23.32" POORLY GRADED SAND   SP				-			SP		1
23-32" POORLY GRADED SAND   SP		32"			23-32" POORLY GRADED SAND				
23-32" POORLY GRADED SAND   SP   Saturated at 4' BSG   Saturated				-					
23-32" POORLY GRADED SAND   SP									
3   Sand and organic material and gravel, black.   OL   Organic material may be a stronged, black.   OL   Organic material may be a stronged, black.   OL   Organic material and woody debris, black.   OL   OL   OL   OL   OL   OL   OL   O				-			CD		-
17"   6							SP		
1				-					
Organic material, gravel, saturated, black.   OL				-					
17"   Comparison of the first				4	0-5" ORGANIC SOIL		OL		Saturated at 4' BSG
Organic material and woody debris, black.						turated, black.	OI		=
17"   EOB   Refusal at 5.5' BSG     17"   6						debris, black.	OL		
17"   EOB									
17"   EOB									
17"				-					Defect of 5 SI DCC
17" 6 6					EOB				Refusal at 5.5 BSG
17"   6   -									
		17"							
				-					
				-					
				-					
				7					
				-					
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10				-					
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11				-					
11				-					
DDM Gadaria Tucknisia									
DDM Gudanist Indusiries				11					
DDM Gudanist Indusiries				-					
DDM Gudanist Indusiries				-					
DDM GodorietTochrisium									
				12					
		DDM	Geologist/Tochu	ician	1			1	TriMedia

Facility/Projec	Facility/Project Name			Driller/Drill Rig	Boring Number			
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-50		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc		
	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	ne			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location	7		
	T			8/24/2009			1	
TRIMEDIA	LENGTH	BLOW				****		D. T. L. D. T. C.
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0					
			-					
			-					
			-					
			1					Refusal at 16" BSG
			-	EOB				Trends at 10 BBC
			-					
			-					
			-					
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	1				
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			11					
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			-					
			12					
			· <del>-</del>					
	DDM Geologist/Technician			D1-61				TriMedia consultants

Facility/Project Name		Driller/Drill Rig		Boring Number				
	Dow Plant Site, Mare	guette. MI		TriMedia/Geo Probe		SS-51		
Site Address/L	ocation	quette, WII		Technician	<b>Drilling Method</b>	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than abov	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	ite			99-059	N/A			
				Start Date	Well Name			
				8/20/2009 Completion Date	N/A Grid Location			
					Grid Location			
TRIMEDIA				8/20/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-14" POORLY GRADEI	SAND	SP		
			-	Medium grained sand, trace	gravel, brown.			
			-					
			-					
			1					
			-					
			-					
			-					
	14"		2					Refusal at 2' BSG
			-	EOB				
			-					
			-					
			3					
			-					
			-					
			-					
			4	-				
			-					
			-					
			-					
			5					
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			-					
			-					
			10					
			-					
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			-					
			- 11					
			-					
			-					
			-					
			12					
DDM Geologist/Technician			D 1 . 61				TriMedia consultants	

Facility/Project Name		Driller/Drill Rig		Boring Number					
	Dow Plant Site, Mare	quette. MI		TriMedia/Geo Probe		SS-52			
Site Address/L		quene, mi		Technician	Drilling Method	Borehol	e Dian	neter	
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc			
Site Owner (If City of Marque	different than abov	ve.)		Project Number	Groundwater Depth	Comme	nts		
City of Marque				99-059	N/A				
				Start Date	Well Name				
				8/24/2009 Completion Date	N/A Grid Location				
				8/24/2009					
TRIMEDIA	LENGTH	BLOW		G/24/2003					
SAMPLE NUMBER	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS	
NUMBER			0	0-14" POORLY GRADEI	O SOIL	SP			
			-	Medium grained sand, grave	el, brown.				
			-						
			-						
			1						
			-					Refusal at 18" BSG	
			-	EOB					
	14"		-						
			2						
			-						
			-						
			3						
			-						
			-						
			-						
			4	_					
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			5						
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			7 -						
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			10						
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			11						
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		<u>L</u>	12						
	DDM	Geologist/Techn	ician	D1-61		•		TriMedia consultants	

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-53		
Site Address/L	ocation			Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	пе			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date Grid Location				
				8/24/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-11" SILTY SAND		SM		
			-	Silty medium grained sand,	, trace gravel, brown.	SIVI		
			-					
			-					
			-	11-31" ORGANIC SOIL		OL		
			1 -	Organic material, black.				
			-					
			-					
	21"		-					
	31"		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			- 4	0-10" ORGANIC SOIL		OL		
			4	Organic material, woody do	OL			
			-	J				
			-					
			-	10-24" POORLY GRADI	SP		Saturated at 4'10" BSG	
			5	Medium grained sand, saturated, gray.				
			-					
			-					
			-					Refusal at 6' BSG
			6	EOB				rerubui ui O DoO
			-					
			-					
			-					
			7					
			-					
			-					
			-					
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			-					
			10					
			-					
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			-					
			-					
			11					
			-					
			-					
			-					
			12					
			1				Tribladia	
DDM Geologist/Technician								TriMedia

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette. MI		TriMedia/Geo Probe		SS-54		
Site Address/L		quette, 1711		Technician	Drilling Method	Borehol	e Dian	neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	atte			99-059	4'9" BSG			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
TRIMEDIA				8/24/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT	0	O OH CITY TOX! CLANID		93.6		
			0 -	0-8" SILTY SAND Silty sand, trace gravel, ligh	t brown.	SM		
			-					
			-	8-10" SILTY SAND		SM		
			- 1	Silty sand, charcoal, black.				
			-	10-12" BROKEN CONCE	<u>tete</u>			
			-					
			-					
	13"		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			- 4	0-5" SILTY SAND		SM		
			4 -	Silty sand, poorly graded, b	lack.			
			-	5-9" SILTY SAND	-l d- d	SM		
			-	Silty sand, trace gravel, poorly graded, gray. 9-16" POORLY GRADED SAND Medium grained sand, gravel, saturated, brown.  16-24" POORLY GRADED SAND		SP		Saturated at 4'9" BSG
			-					
			5 -			SP		
			-	Medium grained sand, satur EOB	ated, brown.			
			-	ЕОВ				
	24"		6					
			-					
			-					
			-					
			7					
			-					
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			-					
			12					
12								
DDM Geologist/Technician			D 1 . 61				TriMedia Consultants	

Facility/Project Name		Driller/Drill Rig	Boring Number					
	Oow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-55		
Site Address/L	ocation			Technician	Drilling Method	Borehole Diameter		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 inches		
Site Owner (If City of Marque	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	iic			99-059	5' BSG			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
				8/24/2009			1	T
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-7" SILTY SAND		SM		
			-			-		
			-					
			-	7-10" POORLY GRADE		SP		
			1	Medium grained sand, light brown.  10-16" POORLY GRADED SAND  Medium grained sand, trace gravel, dark brown.		SP		
			-			31		
			-			014		
			-	16-32" SILTY SAND Silty sand, charcoal, gravel	l, poorly graded, black.	SM		
	36"		-	,, charoon, graves	Silty sand, charcoal, gravel, poorly graded, black.			
	50		2					
			-					
			-	32-26" POORLY GRADED SAND		SP		
			-	Medium grained sand, brown.				
			3					
			-					
			-					
			-					
			- 4	0-12" POORLY GRADE	D SAND	c n		
	-			Medium grained sand, brow	wn.	SP		
			-	g-ama, brown				
			-					
			-					
			5	12-23" POORLY GRADED SAND Medium grained sand, saturated, black.		SP		Saturate at 5' BSG
			-	iviedium grained sand, satu	irated, black.			
			-					
			-					
	23"		6					
			-	EOB				
			-					
			-					
			7					
			-					
			-					
			-					
			-					
			8					
			-					
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			-					
			11					
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			-					
			-					
			12					
			· <del>-</del>					
	DDM	Geologist/Techni	cian	7				TriMedia

Facility/Project Name		Driller/Drill Rig		Boring Number				
Former Cliffs-I	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-56		
Site Address/L				Technician	Drilling Method	Borehol	e Dian	neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc	hes	
	different than abo	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	N/A			
				Start Date	Well Name			
				8/24/2009 Completion Date	N/A Grid Location			
TDI MEDIA				8/24/2009				
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-5" SILTY SAND		SM		
			-	Silty medium grained sand, poorly graded, brown.	trace gravel,			
			-	5-10" POORLY GRADE	D SAND	SP		
			-	Medium grained sand, redd	lish.	SM		
			1	Silty sand ash gravel poo	10-16" SILTY SAND Silty sand, ash, gravel, poorly graded, black.			
			-	Sirty saile, asii, gravei, poo	iry graded, black.			
		1	-	4.4.000 (3.4.		03.5		
			-	16-29" SILTY SAND Silty black sand and gravel	red brick	SM		
	2.4"	1	-	only black sailu allu gravel	, red brick.			
	34"	1	2					
		1	-	29-34" TAR	20. 24H TA D			
			-	29-34" TAR				
			-					
		1	3					
			3					
			-					
			-					
			-					
			4	0-8" TAR	0-8" TAR			
			-					
			-					
			-	8-10" SILTY SAND		SM		
			-	Silty sand, broken stone, re	ddish-brown.	5141		
			5	10-15" TAR				
			-	15-18" ORGANIC SOIL Organic material and sand,	black	OL		Refusal 5'5" BSG
			-	EOB	older.			Refusal 5.5 BSG
			-					
	18"		6					
			-					
			-					
			-					
			-					
		1	7					
			-					
		1	-					
			-					
			- 0	_				
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		1	10					
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		1	-					
			-					
		1	11					
		1	-					
		1	-					
		1	-					
		1	12					
12								
	DDM	Geologist/Techn	ician	7				TriMedia

Facility/Project Name		Driller/Drill Rig	Boring Number					
	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-57		
Site Address/L					lling Method	Borehol		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 incl		
Site Owner (If City of Marque	different than abortte	ve.)		Project Number Gro	oundwater Depth	Comme	nts	
on marque				99-059	N/A	1		
				Start Date Wel	l Name			
				8/24/2009	N/A			
					d Location			
TRIMEDIA				8/24/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECUVERED	COUNT		O OH CIT TOY CLAND		03.5		
			0	0-8" SILTY SAND Silty sand, trace gravel, poorly gr	aded, grayish	SM		
			-	brown.		1		
			-					
			- 1	8-20" POORLY GRADED Medium grained sand, trace gravel, reddish-brown.		SP		
			1 -			1		
			-			1		
			-	20-25" SILTY SAND		SM		
	32"		-	silty sand, charcoal, trace gravel,	black.	1		
			2	25-26" CONCRETE 26-30" SILTY SAND		+		
			-			SM		
			-	silty sand, charcoal, trace gravel, 30-32" SILTY SAND	black.	SM		
			-	Silty medium grained sand, very dark reddish-brown.				
			3			1		
			-			1		
			-			1		
			-					
			4	0-9" ORGANIC SOIL Organic material, trace sand, blace		OL		
			-	organic material, trace salid, blac	·K.	1		
			-	9-14" SILTY SAND		SM		
			-	Silty sand and gravel, black.		SIVI		
			5	14-28" POORLY GRADED SAND		SP	52 5	Petroleum/tar odor.
			-	Medium grained sand, black.	TAIN.	SP	32.3	i en oleum/tai odor.
			-			1		
	28"		-			1		
	28		6	EOR		1		
			-	EOB				
			-			1		
			-			1		
			7			1		
			-			1		
			-			1		
			-			1		
			8			1		
			-					
			-			1		
			-			1		
			9			1		
			-			1		
			-			1		
			-			1		
			10			1		
			-			1		
			-			1		
			-			1		
			11			1		
			-			1		
			-			1		
			-			1		
			12			1		
	DDM	Geologist/Techni	ician	D1-61				TriMedia

Facility/Projec	Facility/Project Name		Driller/Drill Rig		Boring Number			
	Dow Plant Site, Mar	quette, MI		TriMedia/Geo Probe		SS-58		
Site Address/L	ocation			Technician	Drilling Method	Borehol		neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc		
City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	iic			99-059	4'10" BSG			
				Start Date Well Name				
				8/24/2009	N/A			
				Completion Date	Grid Location			
				8/24/2009			1	
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	0-20" POORLY GRADEI	SAND	SP		
			-	Medium grained sand, grave	el, brown to reddish-brown.			
			-					
			-					
			-					
			1 -					
			-					
			-	20 20H CYL TXV CANID		CM		-
			-	20-30" SILTY SAND Silty sand, charcoal and gra	vel, poorly graded	SM		
	30"		2	black.	, r, b			
			-					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-10" SILTY SAND Silty sand, charcoal and gra		SM		
				Silty sand, charcoal and gra	vel, poorly graded,			
			-	black.				
			-					
			_	10-28" SILTY SAND		SM		Tar odor.
			5	Silty sand, gravel, saturated, black.				Saturated at 4'10" BSG
			-					
			-					
			-					
	42"		6					
			-	28-31" ORGANIC SOIL		OI		-
			-	Organic material, black.		OL		
			-					
			- 7	31-42" POORLY GRADE		SP		
			7 -	Medium grained sand, satur	aicu, giayish-diown.			
			-					
			-					
			-					
			8	EOB				
			-					
			-					
			-					
			9					
			-					
			-					
			-					
			-					
			10					
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			- 11					
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			-					
			-					
			-					
			12					
				1		1	1	TriMedia
	DDM	Geologist/Techn	ician	1				- illimedia

Facility/Project	Facility/Project Name		Driller/Drill Rig		Boring Number			
Former Cliffs-I	Dow Plant Site, Mare	quette, MI		TriMedia/Geo Probe		SS-59		
Site Address/L				Technician	Drilling Method	Borehol		neter
	keshore Blvd, Marq			DDM	Direct Push	2.25 incl		
Site Owner (If City of Marque	different than abov	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	atc.			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
				8/24/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT	_					
			0	0-13" POORLY GRADED Medium grained sand, trace	gravel_reddish-brown	SP		
			-	<i>g</i> ,	<i>g</i> ,			
			-					
			-					
			1					
			-	13-28" SILTY SAND		SM		Mild tar odor.
			-	Silty sand, charcoal, gravel, black.				
			-					
	28"		-					
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4	0-2" SILTY SAND		SM		
			-	Silty sand, charcoal, gravel, 2-28" POORLY GRADEI		SP		
			-	Medium grained sand, impa	cted, black.	51		
			-					
			-					
			5					
			-					
			-					
			-					
	33"		6					
			-	28-33" POORLY GRADE	D SAND	SP		
			-	Medium grained sand, grayi	sh-black.			
			-					
			-					
			7					
			-					
			-					
			-					
			8	EOB				
			-					
			-					
			-					
			-					
			9					
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			12					
	DD14	L		1				TriMedia
1	DDM	Geologist/Techn	ıcıan	1				Consultants

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-Dow Plant Site, Marquette, MI		TriMedia/Geo Probe		SS-60				
Site Address/Location			Technician Drilling Method		SS-60 Borehole Diameter			
Wright St & La	keshore Blvd, Marq	mette MI		DDM	Direct Push	2.25 inc		
	different than above			Project Number	Groundwater Depth	Comme		
City of Marque	tte			00.070	27/4			
				99-059 Start Date	N/A Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
				8/24/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH		USCS	PID	REMARKS	
NUMBER	RECOVERED	COUNT						
			0	0-6" POORLY GRADED Medium grained sand, trace	SAND graval brown	SP		
			-	6-10" SILTY SAND	graver, brown.	SM		
			-	Silty sand, charcoal, gravel	, poorly graded, black.			
			-	10 16H CH TW CAND		CM		
			1	10-16" SILTY SAND Silty sand, charcoal, gravel	poorly graded.	SM		
			-	reddish-brown.	, [ ] [			
			-	16-30" SILTY SAND		SM		
			-	Silty sand, charcoal, gravel	, poorly graded, black.			
	20"	1	-					
	30"		2					
		1	-					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	0-6" SILTY SAND		SM		
		1	-	Silty sand, charcoal, gravel	, poorly graded, black.	5101		
		1	-					
		1	-	6-8" ORGANIC SOIL		OL		
		1	-	Organic material, black. 8-10" POORLY GRADE	D SAND	SP		
		1	5	Medium grained sand, blac		51		
			-					
			-	EOB				Refusal at 5.5" BSG
			-	ЕОВ				
	10"		-					
	10		6					
			-					
			-					
		1	-					
			- 7					
		1	-					
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		1	12					
	DDM	Geologist/Techni	cian	7				TriMedia

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-Dow Plant Site, Marquette, MI			TriMedia/Geo Probe		SS-61			
Site Address/Location				Technician	Drilling Method	Borehol		neter
Wright St & Lakeshore Blvd, Marquette, MI				DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than about	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	iic			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
	1	T		8/24/2009				
TRIMEDIA SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH			USCS	PID	REMARKS
NUMBER		1	0	0-11" SILTY SAND		SM	-	
			-	Silty medium grained sand	, poorly, brown.	5111		
			-					
			-					]
			-	11-16" SILTY SAND Silty sand and gravel, poor	ly graded black	SM		
			1 -	Siny sand and graver, poor	ry graucu, Diack.			
			-					Concrete
			-	EOB				Refusal at 18" BSG
	16"		-					
	10		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			4	-				
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			11					
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			-					
			12					
	DDM	Geologist/Techni	ician	1				TriMedia

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-Dow Plant Site, Marquette, MI		TriMedia/Geo Probe		SS-62				
Site Address/Location			Technician Drilling Method		Borehole Diameter			
Wright St & Lakeshore Blvd, Marquette, MI				DDM	Direct Push	2.25 incl		
	different than abo			Project Number	Groundwater Depth	Comme		
City of Marque	tte				_			
				99-059 Start Date	N/A Well Name			
				Start Date	weii Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
				8/24/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER	ALCO ( LILLE	000111			In a company	an		
			0	0-12" POORLY GRADE Medium grained sand and		SP		
			-	Friedram gramea sana ana	graver, dan orown			
			-					
			-					
			1	12-22" SILTY SAND		SM		
			-	Silty sand and gravel, poor	ly graded, brown and	5141		
			-	black.	'			
			-					
			-	22-24" BROKEN GRAN	ITE			
	39"		2	24-39" SILTY SAND		SM		
			-	Silty sand, charcoal and gr	avel, poorly graded,			
			-	black.				
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4	0-4" BROKEN ROCK A	ND GRAVEL			
			-	4-20" SILTY SAND		SM		
			-	Silty sand, charcoal and gr black.	avel, poorly graded,			
			-	DIACK.				
			-					
			5					
			-					
			-					
			-	20-24" SILTY SAND		SM		Mild tar/petroleum odor.
	26"		-	20-24" SILTY SAND Silty medium sand and gra	vel, poorly graded, black.			-
	20		6	EOB				
			-					
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			-					
			12					
	DDM	Geologist/Techni	ician	1				TriMedia

Some Californees   Management Marchiean   Technician   Drilling Method   Driver Peach   Section   Management Marchiean   Drilling Method   Driver Peach   Section   Management Marchiean   Page   Management Marchiean   Page   Marchiean   Page   Marchiean   Page	Facility/Project Name		Driller/Drill Rig	Boring Number					
Wight Sk Lakeshore Blod, Mangame.  City of Mangame  Star Govern (Efficient than above.)  City of Mangame  Star Duce  Well Name  Well Name  Wight Sk Lakeshore Blod Mangame  Star Duce  Well Name  Wight Sk Lakeshore Blod Mangame  Star Duce  Well Name  Wight Sk Lakeshore Blod Mangame  Star Duce  Well Name  Wight Sk Pid  NA  Compeledon Date  Well Name  Well Name  Wight Sk Pid  NA  Compeledon Date  Wight Sk Pid  NA  Compeledon Date  Well Name  Wight Sk Pid  NA  Sk Pid  NA  Compeledon Date  Well Name  Wight Sk Pid  NA  Sk Pid  NA  Compeledon Date  Well Name  Wight Sk Pid  NA									
Project Number   Groundwater Depth   AFRG   Start Date   Well Name   AFRG   Start Date					-	Orilling Method Borehole Diameter		neter	
Superior									
Name			ve.)		Project Number	Groundwater Depth	Comme	nts	
TRIMEDIA   LENGTH   BLOW   No.   DEPTH   COUNT   SAMPLE   RICOVERED   COUNT	Jan, or marque						_		
Completion Date   College   Completion Date   College									
REMEDIA   LENGTH   RECOVERED   COUNT     DEPTH   COUNT     O   DEPTH   COUNT     O   DEPTH   COUNT   O   O   DEPTH   COUNT   O   O   O   O   O   O   O   O   O							_		
TRINEINA   RECOVERED   N.   DEPTH						OTHE LOCATION			
NAMER   RECOVERED   COUNT	TRIMEDIA				8/24/2009				
SACHER SOLVEN COLORS   Subject to the color of the color				DEPTH					REMARKS
Silty medium grained sand, free gravel, poorly graded, brown.    1		RECOVERED	COUNT	0	O CH CH TW CAND		03.4		
poorly gradeal, brown.  - 6 *** FOORLY GRADED SAND - 1 *** Bodden gravel, reddish-brown.  - 1 *** Bodden gravel, poorly graded, black.  - 1 *** Shry sand and gravel, poorly graded, black.  - 2 *** Shry sand and gravel, poorly graded, black.  - 3 *** *** Bodden gravel, poorly graded, black.  - 3 *** *** Bodden gravel, poorly graded, gray 5 *** Fire grained sand, poorly graded, gray 6 *** Bodden gravel, soutersted, black.  - 24** *** Bodden gravel, soutersted, black.  - 5 *** Bodden gravel, soutersted, black.  - 5 *** Bodden gravel, soutersted, black.  - 6 *** Bodden gravel, soutersted, black.  - 7 *** Bodden gravel, soutersted, black.  - 8 *** Bodden gravel, soutersted, black.  - 8 *** Bodden gravel, soutersted, black.  - 8 *** Bodden gravel, soutersted, black.  - 9 *** Bodden gravel, soutersted, black.  - 10 *** Bodden gravel, soutersted, b					Silty medium grained sand	, trace gravel,	SM		
Medium grained sand and gravel, reddish-brown.    1					poorly graded, brown.	D SAND	CD.		
1 IB-30" SILTY SAND Silty sand and gravel, poorly graded, black.  3 3 3 4 - 90-24" POORLY GRADED SAND Fine grained sand, poorly graded, gray.  4 0-24" POORLY GRADED SAND Medium grained sand, impacted, saturated, black.  5 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					Medium grained sand and	gravel, reddish-brown.	SP		
18-30" SILTY SAND   SM				-		= :			
1.   1.   1.   1.   1.   1.   1.   1.									
40"    2				-	18-30" SILTY SAND		SM		
40°					Silty sand and gravel, poor	ly graded, black.			
2		40"		-					
SP   SP   SP   SP   SP   SP   SP   SP									
24"  SP  SP  Fine grained sand, poorly graded, gray.  4									
3   30-40" FOORLY GRADED SAND   Fine grained sand, poorly graded, gray.									
3-40" POORLY GRADED SAND   SP   Fine grained sand, poorly graded, gray.   SP   Mild petroleum far odor.   Samrated at 4 BSG   SP   Mild petroleum far odor.   Samrated at 4 BSG   SP   SP   Samrated at 4 BSG   SP   SP   SP   SAMRATED   SP   SP   SP   SP   SP   SP   SP   S				-					
1									
4   0-24" POORLY GRADED SAND   Medium grained sand, impacted, saturated, black.   SP   Saturated at 4' BSG					30-40" POORLY GRAD	ED SAND	SP		
4   9-24" POORLY GRADED SAND   Mild petroleum tar odor.   Saturated at 4" BSG					Fine grained sand, poorly g	graded, gray.			
24* Medium grained sand, impacted, saturated, black.    Comparison of the comparison									
24"					0-24" POORLY GRADE	D SAND	SP		
24"					Medium grained sand, imp	acted, saturated, black.			Saturated at 4' BSG
24°  6 EOB				-					
24"  6 EOB  7									
24"  6 EOB  7 7									
24"  6 BOB				-					
24"  6 BOB				-					
6 EOB									
		24"			EOB				
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TriMedia									
DDW C. J. vite L. v.				12					
DDM Geologist/Technician		DDM	Gaale=:=t/F 1	cian.	1			l	TriMedia

Facility/Project Name			Driller/Drill Rig	Boring Number				
Former Cliffs-Dow Plant Site, Marquette, MI			TriMedia/Geo Probe		SS-64			
Site Address/Location				Technician	Drilling Method	Borehol		neter
Wright St & La	keshore Blvd, Marq	uette, MI		DDM	Direct Push	2.25 inc		
Site Owner (If City of Marque	different than abov	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	пе			99-059	N/A			
				Start Date	Well Name			
				8/24/2009	N/A			
				Completion Date	Grid Location			
				8/24/2009				
TRIMEDIA	LENGTH	BLOW						
SAMPLE	RECOVERED	COUNT	DEPTH			USCS	PID	REMARKS
NUMBER			0	No characterization.				
			-					
			-	EOB				Refusal
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	DDM	Geologist/Techni	iaian	7				TriMedia

Facility/Project Name		Driller/Drill Rig	Boring Number					
Former Cliffs-Dow Plant Site, Marquette, MI		TriMedia/Geo Probe		SS-65				
Site Address/Location			Technician Drilling Method Borehole Diamet		neter			
	Wright St & Lakeshore Blvd, Marquette, MI			DDM	Direct Push	2.25 inc		
	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	5' BSG			
				Start Date	Well Name			
				8/25/2009	N/A			
				Completion Date	Grid Location			
				8/25/2009				
TRIMEDIA				0/25/2009				
SAMPLE	LENGTH RECOVERED	BLOW COUNT	DEPTH		USCS	PID	REMARKS	
NUMBER	RECOVERED	COUNT						
			0	0-4" SILTY SAND Silty medium grained sand,	trace gravel well graded	SM		
			-	dark brown.				
			-	4-16" POORLY GRADE		SP		
			-	Medium grained sand, redd	ish brown.			
			1					
			-	16-26" ORGANIC SOIL		OL		
		1	-	Organic material, very dark	brown.			
			-					
	26"	1	-					
			2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4	0-12" ORGANIC MATER Organic material, woody de		OL		
			-	Organic material, woody de	edils, very dark brown.			
			-					
			-					
			5	12-24" POORLY GRADI	ED SAND	SP		Saturated at 5' BSG
			-	Medium grained sand, satur				
			-					
			-					
	24"		-					
	24		6	EOB				
			-					
			-					
			-					
			7					
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	DDM	Geologist/Techni	ician	7				TriMedia

Facility/Project Name Former Cliffs-Dow Plant Site, Marquette, MI		Driller/Drill Rig	Boring Number					
		TriMedia/Geo Probe		SS-67				
Site Address/Location			Technician Drilling Method		Borehole Diameter			
	keshore Blvd, Marq			DDM	Direct Push	2.25 inc		
	different than above	ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque	tte			99-059	4'6" BSG			
				Start Date	Well Name			
				8/25/2009	N/A			
				Completion Date	Grid Location			
TRIMEDIA				8/25/2009			Ī	
SAMPLE NUMBER	LENGTH RECOVERED	BLOW COUNT	DEPTH		USCS	PID	REMARKS	
NUMBER			0	0-9" SILTY SAND		SM		
			-	Silty medium grained sand,	gravel, poorly graded,			
			-	dark brown.				
			_	9-25" POORLY GRADE	D SAND	SP		
			-	Medium grained sand, grav	el, reddish brown.			
			1					
			-					
			-					
			-					
	30"	1	2					
		1	-	25-30" ORGANIC SOIL		OL		
			-	Organic material, very dark	brown.			
			-					
			-					
			3					
			-					
		1	-					
			-					
			-					
		1	4	O-6" ORGANIC SOIL Organic material, wood del	oric vary dark brown	OL		
			-	Organic material, wood det	ons, very uark brown.			
		1	-					
		1	-	6-24" POORLY GRADE		SP		Saturated at 4'6" BSG
		1	5	Medium grained sand, satu	rated, gray.			
			-					
			-					
			-					
	24"	1	-					
	24"		6	EOB				
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	DDM	Geologist/Techni	ician	7				TriMedia

Facility/Project Name			Driller/Drill Rig	Boring Number				
Former Cliffs-Dow Plant Site, Marquette, MI			TriMedia/Geo Probe		SS-67			
Site Address/Location			Technician	Drilling Method	Borehole Diameter		neter	
Wright St & Lakeshore Blvd, Marquette, MI Site Owner (If different than above.)			DDM	Direct Push	2.25 inc			
Site Owner (If City of Marque		ve.)		Project Number	Groundwater Depth	Comme	nts	
City of Marque				99-059	4'10" BSG			
				Start Date	Well Name			
				8/25/2009	N/A			
				Completion Date	Grid Location			
	T			8/25/2009			I	T
TRIMEDIA SAMPLE	LENGTH	BLOW	DEPTH			USCS	PID	REMARKS
NUMBER	RECOVERED	COUNT						
			0	0-4" SILTY SAND Silty sand, charcoal, grave	el noorly graded	SM		
			-	dark brown.				
			-	4-18" POORLY GRADI		SP		
			-	Medium grained sand, gra	vei, readisn-brown.			
			1					
			-	18-32" ORGANIC SOII	,	OL		
			-	Organic material, woody	debris, very dark brown.	J.L		
			-					
	32"		2					
			-					
			-					
			-					
			3					
			-					
			-					
			-					
			-					
			4	0-10" ORGANIC SOIL Organic material, woody	debris very dark brown	OL		
			-	organic material, woody (	acoris, very uark blowii.			
			-	10 24!! POOR! */ CR : *	DED CAND	C.D.		Cli-h4 4-n - 1
			-	10-24" POORLY GRAD Medium grained sand, sat	urated, gray.	SP		Slight tar odor Saturated at 4'10" BSG
			5	rreduin granica sand, saturacea, gray.				200
			-					
			-					
			-					
	24"		6					
			-	EOB				
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1	DDM	Geologist/Techni	ician	1				Sonsellants