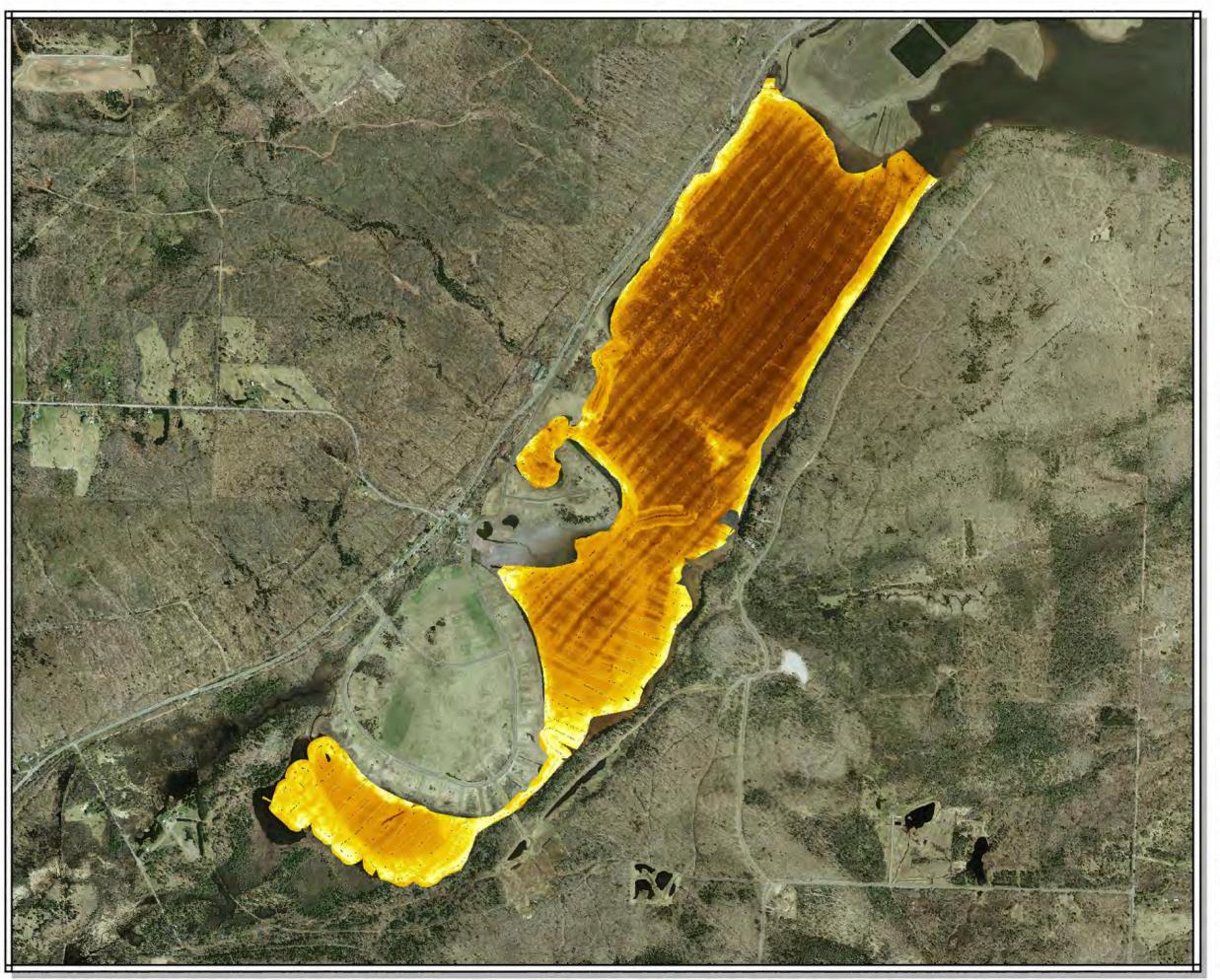
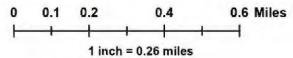
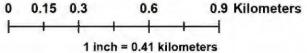
APPENDIX B SIDE SCAN SONAR IMAGERY









DATUM - NAD83
PROJECTION: MICHIGAN GEOREF
SCALE: 1:16,169
AERIAL PHOTO SOURCE: MI CENTER FOR
SHARED SOLUTIONS, BEST AVAILABLE MOSAIC
AERIAL PHOTO DATE: 2010

SIDE SCAN SONAR SURVEY COMPLETED ON 7/24 & 7/25/2016 USING A HUMMINBIRD ONIX 8 SI.

Torch Lake AMW QMCM Processing Area

Osceola & Torch Lake Township, Houghton County T55N R33W Sections 13,14, 23, 24, 26 & 27

SITE MAP SHOWING 2016 SIDE SCAN SONAR COVERAGE AREA

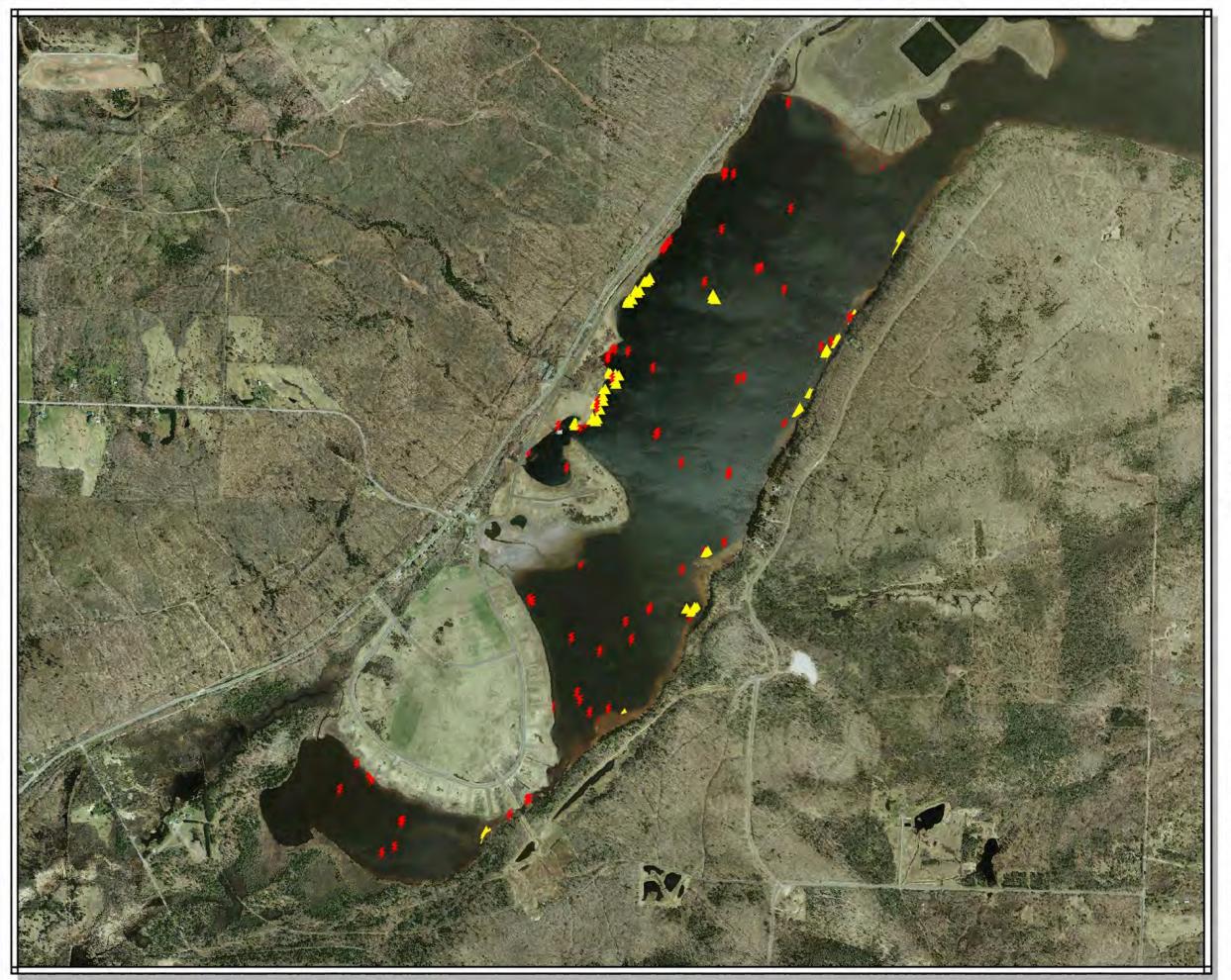
GEOLOGIST Daniel Peabody Geological Services Unit



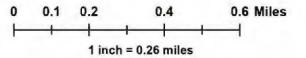
CREATION DATE January 2017

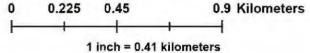
Remediation and Redevelopment Division

FIGURE 1









DATUM - NAD83
PROJECTION: MICHIGAN GEOREF
SCALE: 1:16,160
AERIAL PHOTO SOURCE: MI CENTER FOR
SHARED SOLUTIONS, BEST AVAILABLE MOSAIC
AERIAL PHOTO DATE: 2010

SIDE SCAN SONAR SURVEY COMPLETED ON 7/24 & 7/25/2016 USING A HUMMINBIRD ONIX 8 SI.

LEGEND



Debris Field Outline



Point Target

Torch Lake AMW QMCM Processing Area

Osceola & Torch Lake Township, Houghton County T55N R33W Sections 13,14, 23, 24, 26 & 27

SITE MAP SHOWING 2016 SIDE SCAN SONAR INTERPRETATION

GEOLOGIST Daniel Peabody Geological Services Unit

CREATION DATE
January 2017

Remediation and Redevelopment Division

FIGURE 4

APPENDIX C UNDERWATER VIDEOS

APPENDIX C

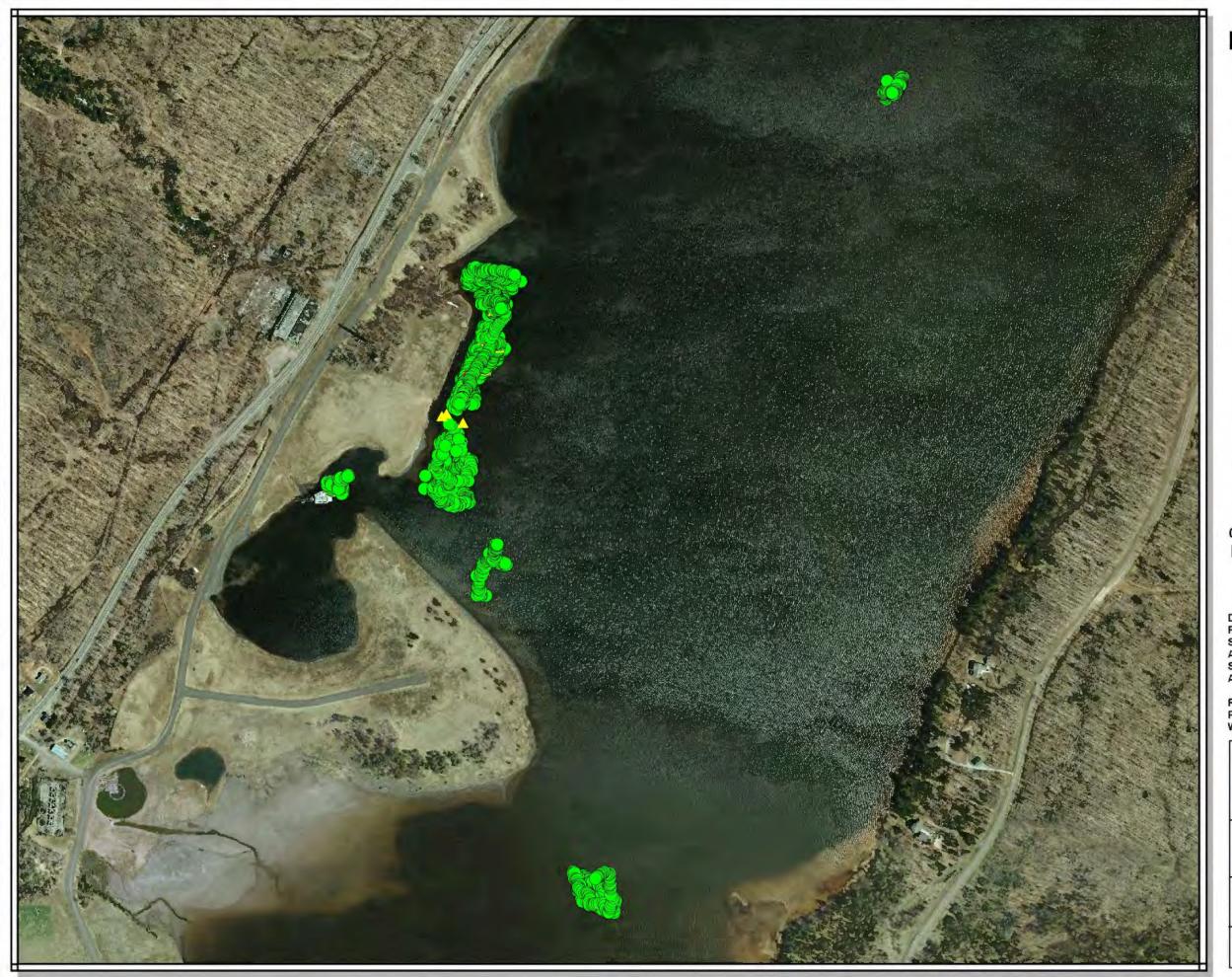
UNDERWATER VIDEOS

PROVIDED ON CD AS SEPARATE FILES

Dredge 1 East Pond

Coal Dock SD44 & SD45

Dredge II West Pond



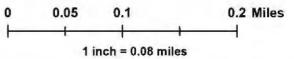
LEGEND

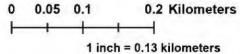
Debris

Suspected Drum

ROV Sub Trail







DATUM - NAD83
PROJECTION: MICHIGAN GEOREF
SCALE: 1:5,310
AERIAL PHOTO SOURCE: MI CENTER FOR
SHARED SOLUTIONS, BEST AVAILABLE MOSAIC
AERIAL PHOTO DATE: 2010

ROV SURVEY COMPLETED USING A VIDEORAY PRO4 PLUS AND TRITECH MICRONAV USBL GPS SYSTEM WITH A TRIMBLE R10 ANTENNA ON 7/25, 7/26 & 7/27/2016

TORCH LAKE AMW QMCM PROCESSING AREA

Osceola & Torch Lake Township, Houghton County T55N R33W Sections 23 & 26

SITE MAP SHOWING ROV SUB TRAIL & IDENTIFIED TARGETS

GEOLOGIST Daniel Peabody Geological Services Unit

DES

CREATION DATE January 2017

Remediation and Redevelopment

FIGURE 2



LEGEND

ROV Identified Targets

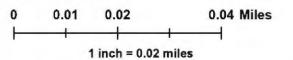


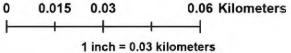
Debris



Suspected Drum







DATUM - NAD83
PROJECTION: MICHIGAN GEOREF
SCALE: 1:1,173
AERIAL PHOTO SOURCE: MI CENTER FOR
SHARED SOLUTIONS, BEST AVAILABLE MOSAIC
AERIAL PHOTO DATE: 2010

ROV SURVEY COMPLETED USING A VIDEORAY PRO4 PLUS AND TRITECH MICRONAV USBL GPS SYSTEM WITH A TRIMBLE R10 ANTENNA ON 7/25, 7/26 & 7/27/2016

TORCH LAKE AMW QMCM PROCESSING AREA

Osceola Township, Houghton County T55N R33W Section 23

SITE MAP SHOWING ROV IDENTIFIED TARGETS

GEOLOGIST
Daniel Peabody
Geological Services Un

Geological Services Unit
Remediation and
Redevelopment
Phylogical

CREATION DATE
January 2017

FIGURE 3



SITE INSPECTIONS - RECONNAISSANCE LOGS



APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area					
Property (Common Name):	Quincy Stamp Sands Area	_				
Property Identification Number and Owner:	009-026-100-00, Portage Lake Water & Sewage Authority	_				
Instruction Date:	5/9/2017					

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Shore Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that including cables, railroad ties, suspect asbestos containing material and potentially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

Inspection Date:	S/3/2	017							
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:		
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM		Latitude: 47.13986491N				7			
Residual Process Materials					10000000000000000000000000000000000000				
Potentially Abandoned Containers	1				Marie Call	May 5			
Soil Staining/Stressed Vegetation		Longitude: 88.46471665W	Drum#22: Rusted drum, buried in hillside, contents unknown						
Potential PCB or Mercury Containing Equipment									
					The sky				
Other:						100			
Suspect ACM		Latitude: 47.13989280N				100			
Residual Process Materials					24	4			
Potentially Abandoned Containers			SACM#72: Pile of debris, includes black tar roofing material buried under leaf litter, area includes wooden						
Soil Staining/Stressed Vegetation		Longitude: 88.46461114W	floorboard (approximately 10x15 feet) partially buried, may include more debris items			76			
Potential PCB or Mercury Containing Equipment						The state of		Material sample QMCM-ASBBLK02-052417 collected during targeted	
Other:Potential Freon Containing Refrigerator	1				- 1			inspection activities is representative of the materials identified during reconnaissance activities.	
Suspect ACM	1	Latitude: 47.13980180N				1			
Residual Process Materials									
Potentially Abandoned Containers			SACM#73: Three large rubber, belt-like tubes, with brown foam material on ends, under rubber coating,						
Soil Staining/Stressed Vegetation		Longitude: 88.46444644W	material appears to be layered fabric and appears similar to other suspect items seen in area, Tubes are partially		0.00				
Potential PCB or Mercury Containing Equipment			buried into hillside and are approximately 3x3 feet.	View looking north	east to Drum#22			Material sample QMCM-ASBBLK03-052417 collected during targeted	
				VIEW TOOKING TIOTER				inspection activities is representative of the materials identified during	
Other:								reconnaissance activities.	
Suspect ACM		Latitude: 47.13980180N		Land of the land		G TE I A			
Residual Process Materials									
Potentially Abandoned Containers			Same location as SACM#73: Thin circular sheet metal cut-outs with teeth, area contains large pile of layered				是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个		
Soil Staining/Stressed Vegetation		Longitude: 88.46444644W	outs and scattered pieces						
Potential PCB or Mercury Containing Equipment				* Let us - The	-				
Other: Physical Hazard	1				1				
Suspect ACM		Latitude: 47.13978547N							
Residual Process Materials						The same			
Potentially Abandoned Containers	1			40 M		A COL			
Soil Staining/Stressed Vegetation		Longitude: 88.46435443W	Container#23: Rusted container approximately 10 inches in height, approximately 3 liters, contains a valve on top, potentially pressurized	4					
Potential PCB or Mercury Containing Equipment			top, potentially pressureed						
, , , , , , , , , , , , , , , , , , , ,		T					2		
Other:				£94					
Suspect ACM	1	Latitude: 47.13979147N		1 19		no. 1			
Residual Process Materials						1 - 3			
Potentially Abandoned Containers					The same of				
Soil Staining/Stressed Vegetation		Longitude: 88.46429922W	SACM#74: Partially buried roofing material with metallic coating, weathered and in poor condition						
Potential PCB or Mercury Containing Equipment					View lookii	g southwest to !	SACM#73.	Material sample QMCM-ASBBLK04-052417 collected during targeted	
Other:		Harman Land						inspection activities is representative of the materials identified during reconnaissance activities.	

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Shore Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that includes black tar roofing material, tar mastic, felt paper, black rubber sheeting, and tubing. The wooded area south of the Quincy Reclamation Plant includes a number of small mounds of partially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material includes gasket material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

			r		
heck as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:		Document as Applic	able:
otential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity Units Sample Recor	nmendations Notes
uspect ACM	Latitude: 47.13978937N				WAR COST
esidual Process Materials					
otentially Abandoned Containers	✓				
oil Staining/Stressed Vegetation	Longitude: 88.46429651W	Drum#24: Rusted drum, appears to be empty, has black tar mastic on sides			
otential PCB or Mercury Containing Equipment					4 - 2 3
ther:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		55 Gal		
uspect ACM	Latitude: 47.13971273N				* / A
esidual Process Materials				- 15 V 10 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	
otentially Abandoned Containers	1				
oil Staining/Stressed Vegetation	Longitude: 88.46435615W	Drum#25: Rusted Drum, circular hole on one end, intact bottom, unknown contents			
otential PCB or Mercury Containing Equipment					
Other:			55 Gal		
uspect ACM	Latitude: 47.13969077N		33 (8)		
esidual Process Materials					7 · S
otentially Abandoned Containers	1				
oil Staining/Stressed Vegetation	Longitude: 88.46437048W	Drum#26: Rusted drum, open on one end, intact on other end, unknown contents, if any			
otential PCB or Mercury Containing Equipment					
otential i eb of Mercary containing Equipment					
Other:			55 Gal	SO SO THE RESIDENCE OF THE PARTY OF THE PART	
uspect ACM	Latitude: 47.13976462N				
esidual Process Materials				A MAIN AND A SECOND	
otentially Abandoned Containers	1			The state of the s	
oil Staining/Stressed Vegetation	Longitude: 88.46483727W	Drum#27: Five rusted, crushed drums, partially buried, unknown contents, potentially more buried		View of Drum#25	
otential PCB or Mercury Containing Equipment					
			4		V. N. S. C.
Other:	Latitude: 47.13915633N		55 Gal	5	
uspect ACM	Latitude. 47.13913033N				
esidual Process Materials	1				
otentially Abandoned Containers	Longitude: 88.46548587W	Drum#28: Rusted, crushed drum, partially buried, unknown contents			
oil Staining/Stressed Vegetation	Longitude: 66.40348387W				
otential PCB or Mercury Containing Equipment					
Other:			55 Gal		
uspect ACM	Latitude: 47.13931278N				
esidual Process Materials					
otentially Abandoned Containers	1				
oil Staining/Stressed Vegetation	Longitude: 88.46471785W	Drum#29: Rusted black crushed drum, partially buried, unknown contents			
otential PCB or Mercury Containing Equipment					View of Drum#27, five drums visible.
					view of Drumwaz, nive drums visible.
ther:			55 Gal		

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area
Property (Common Name):	Quincy Stamp Sands Area
Property Identification Number and Owner:	009-026-100-00, Portage Lake Water & Sewage Authority
Inspection Date:	\$/3/2017

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Shore Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that includes black tar roofing material, gasket material, tar mastic, felt paper, black rubber sheeting, and tubing. The wooded area south of the Quincy Reclamation Plant includes a number of small mounds of partially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material includes gasket material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:					
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓ Latitude: 47.13950995N			The same of			
Residual Process Materials				The state of the s	THE PARTY OF		
Potentially Abandoned Containers		CACAMITE CO		Wall Line	4.3		
Soil Staining/Stressed Vegetation	Longitude: 88.463831107W	SACM#75: Suspect asbestos containing Transite siding, white/gray tile pieces partially buried near 10x10 foot concrete foundation, approximately 3 square feet visible, potentially more buried			La Para Co		
Potential PCB or Mercury Containing Equipment		content is an advantage of a square rect visible, potentially more sured					Material sample QMCM-ASBBLK01-052417 collected during targeted
Other:					-		inspection activities is representative of the materials identified durin reconnaissance activities.
Suspect ACM	✓ Latitude: 47.14083171 N						
Residual Process Materials					A Company		
Potentially Abandoned Containers				- 3/1			
Soil Staining/Stressed Vegetation	Longitude: 88.46439736 W	———SACM#80: Black roofing material nailed to wooden boards on ground, poor condition, appear to be asphaltic, area is littered with trash		1 1 4			
Potential PCB or Mercury Containing Equipment		area is intered with a usin			No. 4		Material sample QMCM-ASBBLK51-052517 collected during targeted
Other:					1 4		inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	Latitude: 47.14022593 N			200	- 14 (200)		
Residual Process Materials			View of SACM#75 near	concrete foundation.	97		
Potentially Abandoned Containers	1				30		
Soil Staining/Stressed Vegetation	Longitude: 88.46507881 W	ude: 88.46507881 W Drum#37: Eight concrete filled rusted drums arranged in a rectangle, partially sunken, one drum is on its side		CONT.			
Potential PCB or Mercury Containing Equipment				100		国的 特别的	
Other:			55-Gal				
Suspect ACM	Latitude: 47.13976003 N				41.05		
Residual Process Materials				2			
Potentially Abandoned Containers	1	Drum#38: Two rusted, crushed, partially buried drums, possibly empty, a galvanized container is located with					
Soil Staining/Stressed Vegetation	Longitude: 88.46541891 W	Longitude: 88.46541891 W drums			(
Potential PCB or Mercury Containing Equipment				200			
Other:			55-Gal				
Suspect ACM	Latitude: 47.13990712 N			7	2. 1		
Residual Process Materials				San John			
Potentially Abandoned Containers	1					MICHAEL COME	
Soil Staining/Stressed Vegetation	Longitude: 88.46566400 W	—— Drum#39: Crushed drum, partially buried, dark brown, sandy, granular material inside, embossed with: S.T.C. at one end				引导等的主义文	
Potential PCB or Mercury Containing Equipment					View looking s	outh to SACM#80	
Other:			55-Gal.				
Suspect ACM	Latitude: 47.13989646 N		33-0ai.				
Residual Process Materials							
Potentially Abandoned Containers	✓						
Soil Staining/Stressed Vegetation	Longitude: 88.46587654 W	Drum#40: Crushed, rusted, partially buried drum, unknown contents, if any					
Potential PCB or Mercury Containing Equipment							
			Techn				
Other:			55-Gal.				

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:

Property (Common Name):

Quincy Stamp Sands Area

Property Identification Number and Owner:

009-026-100-00, Portage Lake Water & Sewage Authority

Inspection Date:

5/4/2017

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Shore Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that includes black tar roofing material and suspect asbestos containing material shall potentially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material includes gasket material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

Heck as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM	1	Latitude: 47.13985488 N				C IPAG PERSON	M. 64 1 24		
Residual Process Materials					10 C				
Potentially Abandoned Containers				94 []					
Soil Staining/Stressed Vegetation		Longitude: 88.46600599 W	SACM#82: Black asphaltic roofing material, underneath Drum#41			全人	70		
Potential PCB or Mercury Containing Equipment						7 42 6		Material sample QMCM-ASBBLK51-052517 collected during targeted	
						3 2 =		inspection activities is representative of the materials identified during	
Other:		. C. I. to constant		25 SF	26 34	型。 为经		reconnaissance activities.	
Suspect ACM		Latitude: 47.13985488 N				W Ber	N. 20		
Residual Process Materials					V. EV	1317			
Potentially Abandoned Containers	1	THE DESIGN SECTION SEC	Design De				25		
Soil Staining/Stressed Vegetation		Longitude: 88.46600599 W	Drum#41: Rusted drum with bullet holes, feels empty, located near ORV trail		W. 14	- THE			
Potential PCB or Mercury Containing Equipment					and the second				
Other:				55-Gal					
Suspect ACM		Latitude: 47.13877148 N			E.A.				
Residual Process Materials								/	
Potentially Abandoned Containers	1					1			
Soil Staining/Stressed Vegetation		Longitude: 88.46664616 W	Drum#42: Crushed, empty drum		新教文学	1			
Potential PCB or Mercury Containing Equipment						0.0			
					F 100 100 100 100 100 100 100 100 100 10	Y MEL	The state of the s		
Other:				55-Gal		4/0			
Suspect ACM		Latitude: 47.13849063 N			136/4				
Residual Process Materials							THE PLANT OF	文(1) 2010年11日 11日 11日 11日 11日 11日 11日 11日 11日 11日	
Potentially Abandoned Containers	1					View of Drum#4	41 and SACM#82.		
Soil Staining/Stressed Vegetation		Longitude: 88.46684869 W	Container#43: Automobile fuel tank, rusted, partially buried					强制的工作,但是是经验的工作的	
Potential PCB or Mercury Containing Equipment							10 10 10	AN THE STATE OF TH	
Other:									
Suspect ACM		Latitude: 47.13852820 N					12 (M. V. V.		
Residual Process Materials									
Potentially Abandoned Containers	1							为16.10mm。16.10mm。16.10mm。16.10mm。16.10mm。16.10mm。16.10mm。16.10mm。16.10mm。16.10mm	
Soil Staining/Stressed Vegetation		Longitude: 88.46697173 W	Drum#44: Crushed drum, unknown contents, if any				Car Mula (A)		
Potential PCB or Mercury Containing Equipment									
Other:						-			
Suspect ACM	1	Latitude: 47.13852B20 N							
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude: 88.46697173 W	SACM#83: Rubber 1/4 inch thick, 8 x 8 foot sheeting					View of Container#43	
Potential PCB or Mercury Containing Equipment									
				8 x 8 feet					

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area
Property (Common Name):	Quincy Stamp Sands Area
Property Identification Number and Owner:	009-026-100-00, Portage Lake Water & Sewage Authority
Inspection Date:	5/4/2017

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Shore Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that includes black tar roofing material, tar mastic, felt paper, black rubber sheeting, and tubing. The wooded area south of the Quincy Reclamation Plant includes a number of small mounds of partially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material includes gasket material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude: 47.13823390 N		The Part of the San		TATE NUMBER		
Residual Process Materials				SALES TO SEE		0		
Potentially Abandoned Containers	1					126		
Soil Staining/Stressed Vegetation		Longitude: 88.46721466 W	Drum#45: Crushed, empty drum, flattened		3			
Potential PCB or Mercury Containing Equipment				Contract Con				
Other:								
Suspect ACM	1	Latitude: 47.13899864 N		A COLUMN		chart 1		
Residual Process Materials								
Potentially Abandoned Containers						9 1 3		and the second second second second
Soil Staining/Stressed Vegetation		Longitude: 88.46694089 W	SACM#84: Black roofing material nailed to wooden boards, black backed linoleum nailed to boards, located at base of cedar trees in grove	N. A. S.	PARTY.			Material samples QMCM-ASBBLK53-052517, QMCM-ASBBLK54-
Potential PCB or Mercury Containing Equipment			base of cedar decising over					052517, QMCM-ASBBLK55-052517, QMCM-ASBBLK56-052517, and QMCM-ASBBLK57-052517 collected during targeted inspection
Other:								activities are representative of the materials identified during reconnaissance activities.
Suspect ACM	1	Latitude: 47.13927475 N			了是一个主			
Residual Process Materials					A STATE OF THE STA			
Potentially Abandoned Containers					The second			
Soil Staining/Stressed Vegetation		Longitude: 88.46677921 W	 SACM#85: Dump Site to east of trail, behind residential area, includes household items, black rubber gasket material, black rubber sheeting 					
Potential PCB or Mercury Containing Equipment			indicated steering		32			
Other:Dump Site				View of Dr	um#45.	25		Items determined not to be SACM.
Suspect ACM		Latitude: 47.13950359 N		1	ALCOHOLD D	The state of		
Residual Process Materials					177144			
Potentially Abandoned Containers	1					MANAGE TO		
Soil Staining/Stressed Vegetation		Longitude: 88.46639922 W	Drum#46: Crushed, partially buried, rusted		No. of the last	LA CONTRACTOR OF THE PARTY OF T	E PER EN LIVE	
Potential PCB or Mercury Containing Equipment					A 15			
Other:							De a	
Suspect ACM	1	Latitude: 47.14000953N						
Residual Process Materials								
Potentially Abandoned Containers						100		
Soil Staining/Stressed Vegetation		Longitude: 88.46484457W	——SACM#71: Black rubber coated aluminum cables, partially buried in hillside, near other debris, including bricks, rusted bolts, and timber debris, approximately 5 linear feet visible			¥		
Potential PCB or Mercury Containing Equipment			Tusted bolts, and timber debris, approximately 3 linear feet visible					Material sample QMCM-ASBBLK05-052417 collected during targeted
Other:						The state of	ALCON TO THE PARTY OF THE PARTY	inspection activities is representative of the materials identified durin reconnaissance activities.
Suspect ACM		Latitude:						Tecomiassance activities.
Residual Process Materials					A STATE OF	2 5 6		
Potentially Abandoned Containers						A TOP A STATE OF		
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment						View of CACLARO	partially buried	
						View of SACM#84	, partially buried.	
Other:								

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area				
Property (Common Name):	Quincy Reclamation Plant Area				
Property Identification Number and Owner:	009-026-003-00, Lakeshore Estates				
And the second of the second o	Accesses to the second				

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Sobre Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that includes black tar roofing material, tar mastic, felt paper, black rubber sheeting, and tubing. The wooded area south of the Quincy Reclamation Plant includes a number of small mounds of partially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material includes gasket material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:			
				5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				4500		
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM	1	Latitude: 47.14095346 N		PS-2		Name of the last				
Residual Process Materials				Majore		_				
Potentially Abandoned Containers			SACM#61: Black faded, weathered material in strips along wooden boards near pits on edge of capped area, red							
Soil Staining/Stressed Vegetation		Longitude: 88.46098202 W	and white coloring are found along the opposite side, strips are various lengths and are found near each of the			-4				
Potential PCB or Mercury Containing Equipment	_		wooden pits in the vicinity					Material sample QMCM-ASBBLK21-052417 collected during targeted inspection activities is representative of the materials identified during		
Other:					760			reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14078429 N	SACM#62: Quincy Shore Plant: various suspected asbestos containing materials including: black tar-like roofing			5				
Residual Process Materials	1		material and black roofing material with metallic paint varying in size from small quarter sized bits to larger 4x6							
Potentially Abandoned Containers			foot sheets attached to wooden boards and corrugated metal sheeting, black gasket material, green shingles,							
Soil Staining/Stressed Vegetation		Longitude: 88.46335091 W	layered rubber coated woven material, 1-inch diameter black solid tubing, 2-inch diameter black wrapped					Material samples QMCM-ASBBLK13-052417, QMCM-ASBBLK14-		
Potential PCB or Mercury Containing Equipment Other:			tubing, rubber and woven fabric coated wiring, white imprinted thin paper-like material, potential lumpy white TSI material that appears fibrous (similar to other piles), a concrete area approximately 5x12 feet covered in brown/gray fine grained sandy material with hardened appearance on top (RPM), white paper-like material (potential TSI material, further out on wood debris), and white coated wiring		10			052417, QMCM-ASBBLK15-052417, QMCM-ASBBLK16-052417, QMCM ASBBLK17-052417, QMCM-ASBBLK18-052417, QMCM-ASBBLK19- 052417, QMCM-ASBBLK20-052417, and QMCM-RPM02-0"-6" collecteduring targeted inspection activities are representative of the material identified during reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14036552 N			(1)			identified during recombination detroites.		
Residual Process Materials										
Potentially Abandoned Containers			SACM#63: Concrete slab with the following items:			, - 1				
Soil Staining/Stressed Vegetation		Longitude: 88.46404602W	Rubbery roofing material nailed to boards, rubber, black coated wiring, metal rusted coated wiring, various	(左) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1						
Potential PCB or Mercury Containing Equipment			weathered roofing material pieces, and rusted crushed metal paint cans							
Other:				View looking east to wood line	d pits with SACM#61					
Suspect ACM		Latitude: 47.14040758N								
Residual Process Materials					362					
Potentially Abandoned Containers	1					+-				
Soil Staining/Stressed Vegetation		Longitude: 88.46410869W	Drum#20: Buried crushed drum, appears to have rolled top and is hollow underneath, potentially a carcass		- 16	6				
Potential PCB or Mercury Containing Equipment					W. J.	(# 2.14				
				1		THE RESERVE				
Other:		Latitude: 47.14012865N								
Suspect ACM	· ·	Latitude: 47.14012805N		1	-		and the same of th			
Residual Process Materials		-								
Potentially Abandoned Containers		1itd 00 45430030M	SACM#64: Concrete circular structure with rebar. Contains wood debris, black roofing material with metallic		74 - 1		5) A 11 - 50			
Soil Staining/Stressed Vegetation		Longitude: 88.46420838W	coating in various sizes and conditions. Also contains automobile tires.	47 VIVE 201				Material samples QMCM-ASBBLK06-052417 and QMCM-ASBBLK07-		
Potential PCB or Mercury Containing Equipment							100	052417 collected during targeted inspection activities are		
Other:					1	- China	Total 18 19 19 19 19 19 19 19 19 19 19 19 19 19	representative of the materials identified during reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14043893N				51500		activities,		
Residual Process Materials		1				411111				
Potentially Abandoned Containers					S. However	Carlo Service				
Soil Staining/Stressed Vegetation		Longitude: 88.46445164W	SACM#65: Black tar mastic on concrete base, found mostly on left side/corner looking east, appears to have		T. (1)					
Potential PCB or Mercury Containing Equipment			dripped from top of concrete wall, also found on small square concrete base to the south.		View looking ea	st to Quincy Shore	Plant.	Material sample QMCM-ASBBLK10-052417 collected during targeted		
Other:								inspection activities is representative of the materials identified during reconnaissance activities.		

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area				
Property (Common Name):	Quincy Reclamation Plant Area				
Property Identification Number and Owner:	009-026-003-00, Lakeshore Estates				
Instruction Date:	5/2/2017				

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Roclamation Plant and the Quincy Sobree Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that includes black tar roofing material, gasket material, felt paper, black rubber sheeting, and tubing. The wooded area south of the Quincy Reclamation Plant includes a number of small mounds of partially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

Inspection Date:	5/3/2	017						
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	1	Latitude: 47.14012865N				43.113		
Residual Process Materials					1			
Potentially Abandoned Containers			Silver felt paper, with some black coloring, found on concrete walls of circular structures, between wooden	A SALANGE CONTRACTOR		35 82		
Soil Staining/Stressed Vegetation		Longitude: 88.46420838W	boards and wall, found in three other circular concrete structures, approximately quantity 130SF. Use the GPS					
Potential PCB or Mercury Containing Equipment			location from SACM#64 for this material.					Material sample QMCM-ASBBLK07-052417 collected during targeted
	1			分學是他也然為於				inspection activities is representative of the materials identified during
Other:				一种原理工程等	多数 化 形型			reconnaissance activities.
Suspect ACM	1	Latitude: 47.14043893N		The second of the second of the second				
Residual Process Materials			Piles and the first of partial and the first of the first					
Potentially Abandoned Containers			Fibrous string-like piles of material, appears white/gray, weathered, found on concrete floor of Reclamation Plant, also found on ground and on wooden boards between concrete in circular structures. Brown suspect TSI	Setulation (1816) The second second	-	137		
Soil Staining/Stressed Vegetation		Longitude: 88.46445164W	material is observed in the SW circular structure, approximately 2 square feet of material is visible on wooden		THE CHIEL AND ADDRESS	2 1 1 1 1		Material samples QMCM-ASBBLK08-052417 and QMCM-ASBBLK09-
Potential PCB or Mercury Containing Equipment			board, more may be buried within debris. Use the GPS location from SACM#65 for this material.	4		1		052417 collected during targeted inspection activities are
Other:				04/1/				representative of the materials identified during reconnaissance activities.
Suspect ACM		Latitude: 47.14058117N		13.0				
Residual Process Materials	1			14		1		
Potentially Abandoned Containers			PDM#Fi Park brown (black greens globular and sheet like material on concrete wells. The material appears to	37/4				
Soil Staining/Stressed Vegetation		Longitude: 88.46437282W	RPM#5: Dark brown/black, greasy, globular and sheet-like material on concrete walls. The material appears to start at the top of the concrete and follows the wall down, forming hardened piles at the bottom.	1 2016			7.4	
Potential PCB or Mercury Containing Equipment			start at the top of the consiste and islients the name down, forming his action price at the contour				100	
				3/3/1/20			Waste Characterization sample QMCM-RPM03-0"-6" collected during	
Other:					A Park Salar			targeted inspection activities.
Suspect ACM	1	Latitude: 47.14058117N					MICA CO. AT	
Residual Process Materials								
Potentially Abandoned Containers			SACM#66: Creamy/white/yellow mastic material on northwest corner of concrete structures near arches, found	Manufaction and American		Chanca		
Soil Staining/Stressed Vegetation		Longitude: 88.46437282W	with RPM#5, black tar mastic on northeast concrete corners	View looking north to concrete circ	ular structures and SA	CM#64		Material sample QMCM-ASBBLK10-052417 collected during targeted
Potential PCB or Mercury Containing Equipment						E P		inspection activities is representative of the (black tar mastic) materials identified during reconnaissance activities. Creamy/white/yellow
Other:					- 0000		10 May 1	mastic material was determined not to be SACM.
Suspect ACM		Latitude: 47.14058117N					(A) (A)	
Residual Process Materials	1						30	
Potentially Abandoned Containers			RPM#6: Piles of tar-like, dark brown/black substance on concrete floor, appears blob-like and hardened, found		Mark Control			
Soil Staining/Stressed Vegetation		Longitude: 88.46437282W	in piles throughout area of concrete arches and reclamation plant floor, adjacent to RPM#5 (same GPS		ALC: U		200	
Potential PCB or Mercury Containing Equipment			coordinates).		700			
					1 m	/		Waste Characterization sample QMCM-RPM03-0"-6" collected during
Other:					- L			targeted inspection activities.
Suspect ACM	1	Latitude: 47.14075090N					100	
Residual Process Materials								
Potentially Abandoned Containers			SACM#67: Black hardened rubber material with imprint on one side, found in small pile at north end of concrete		- 1		100	
Soil Staining/Stressed Vegetation		Longitude: 88.46425435W	structure and scattered south along the concrete remains.					
Potential PCB or Mercury Containing Equipment					View looking	couth to DDB4#F	and RPM#6 on concrete structures.	Material sample QMCM-ASBBLK11-052417 collected during targeted
Other:		=			view looking	S CHIMAN OF ITTROC	and ar ivino on concrete structures.	inspection activities is representative of the materials identified during reconnaissance activities.

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	_
Property (Common Name):	Quincy Reclamation Plant Area	
Property Identification Number and Owner:	009-026-003-00, Lakeshore Estates	
Inspection Date:	5/3/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The property is bound to the north by Parcel No. 009-023-001-00. To the west, the property is bound by an ORV trail and multiple residential properties that were not inspected. Torch Lake bounds the property to the east. Access is restricted to the majority of the property by a gated fence and the property is currently vacant. The area to the west of the fence line and east of the residential properties is accessible to trespassers. The topography of the property appears to be relatively flat, sloping towards the shoreline. The southeast lobe of the parcel is comprised of a stamp sand deposit that was capped during remedial actions implemented by the EPA. The area southwest of the capped lobe is marshy and features a small creek that discharges into Torch Lake. The parcel features mining era ruins that include the Quincy Reclamation Plant and the Quincy Roof Plant areas located at the west end. These mining era ruins contain residual processing material and suspect asbestos containing material that includes black tar roofing material, tar mastic, felt paper, black rubber sheeting, and tubing. The wooded area south of the Quincy Reclamation Plant includes a number of small mounds of partially buried debris including cable, railroad ties, suspect asbestos containing material and potentially abandoned containers. Suspect asbestos containing material includes gasket material, black tar roofing, rubber coated belt fabric and Transite siding. A variety of crushed, rusted, and/or partially buried drums were also observed.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:				
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	1	Latitude: 47.14066270N						
Residual Process Materials				ne 100		And the second		
Potentially Abandoned Containers			SACM#68: Black rubber-coated fabric hydraulic tubing, approximately 2 inches in diameter, weathered, and			13		
Soil Staining/Stressed Vegetation		Longitude: 88.46420167W	appears dry rotted. Some tubing appears more deteriorated. Material is found in the concrete pit on the east	No.				
Potential PCB or Mercury Containing Equipment			side of the plant.	a Filly				Material sample QMCM-ASBBLK12-052417 collected during targeted
Other:						No.	Comment of the Commen	inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM		Latitude: 47.14048036N						
Residual Process Materials				2 7		1		
Potentially Abandoned Containers				100	- 61	V E		
Soil Staining/Stressed Vegetation		Longitude: 88.46443858W	Container#21: Large rusted refrigerator without door, may potentially contain Freon				100	
Potential PCB or Mercury Containing Equipment					1			
Other:Potential Freon Containing Refrigerator	1							
Suspect ACM	1	Latitude: 47.13973025N	titude: 47.13973025N			4		
Residual Process Materials								
Potentially Abandoned Containers			CARTANIO DE PERIO DE CARTA DE					
Soil Staining/Stressed Vegetation		Longitude: 88.46268787W	SACM#70: Black rubber sheeting, imprinted on one side, smooth on other, approximately 2x6 foot section, similar to SACM#67					
Potential PCB or Mercury Containing Equipment				View looking	g into pit of SACM#68.			Material sample QMCM-ASBBLK11-052417 collected during targeted
Other:								inspection activities is representative of the materials identified durin reconnaissance activities.
Suspect ACM	1	Latitude: 47.13994955N						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude: 88.46145780W	SACM#69: Black tar paper roofing found on ground, one small piece, similar to SACM#62					
Potential PCB or Mercury Containing Equipment								Material sample QMCM-ASBBLK51-052517 collected during targeted
								inspection activities is representative of the materials identified durin
Other:								reconnaissance activities.
Suspect ACM	1	Latitude:						
Residual Process Materials								
Potentially Abandoned Containers	- 1		Small pieces of roofing material found scattered on reclamation plant floor, nonmetallic coated and metallic					
Soil Staining/Stressed Vegetation		Longitude:	coated tar-paper and rubber roofing material was observed					
Potential PCB or Mercury Containing Equipment								
Other:								
Suspect ACM		Latitude:						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude:						
Potential PCB or Mercury Containing Equipment								
Other:								

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	
Inspection Date:	4/21/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail, and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:					
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM	1	Latitude: 47.14927069 N							
Residual Process Materials	1				The state of the s				
Potentially Abandoned Containers			CACHANA (ODMANA DEL CELLA LA	300		Se de la constante de la const		And a real colors in a second and a second a	
Soil Staining/Stressed Vegetation		Longitude: 88.45903392 W	SACM#1/RPM #1: Pile of black debris including fabric-like material, gaskets, wiring; black debris is tar-like, exuding goo and includes fibrous-like material within, pile also includes metal debris			THE REAL PROPERTY.		Material samples QMCM-ASBBLK80-052617, QMCM-ASBBLK81-	
Potential PCB or Mercury Containing Equipment			exacting good and includes his out like fluterial within, pive disc includes fluterial					052617, QMCM-ASBBLK82-052617, QMCM-ASBBLK83-052617, and QMCM-RPM04-0"-6" collected during targeted inspection activities ar	
. 72					A Driver of the		. The state of the	representative of the materials identified during reconnaissance	
Other:		1 - C - 1 - 87 4 407 404 C N			THE REAL PROPERTY.			activities.	
Suspect ACM		Latitude: 47.14924046 N		M		A CONTRACTOR			
Residual Process Materials			And the second s	M. P. F.	113333				
Potentially Abandoned Containers	1		DRUM #1: Crushed drum with unknown contents, drum is rusting and contains holes near "bottom" with		以多次				
Soil Staining/Stressed Vegetation		Longitude: 88.45943766 W	contents near creasing and slag near "top" of drum, highly weathered and damaged drum			100			
Potential PCB or Mercury Containing Equipment					The state of the s	100			
Other:					100		7		
Suspect ACM	1	Latitude: 47.14851010 N					STATE OF STA		
Residual Process Materials							42.00		
Potentially Abandoned Containers						The State of the S			
Soil Staining/Stressed Vegetation		Longitude: 88.45886447 W	SACM#2: Black sheet-like (possibly asphaltic roofing material), partially buried into hillside, sheet-like material is thin and contains various size, color, and shaped pebbles.				19.0		
Potential PCB or Mercury Containing Equipment			thin and contains various size, color, and shaped peoples.		150	* NA	Mary Control	Material sample QMCM-ASBBLK87-052617 collected during targete	
							N. C.	inspection activities is representative of the materials identified durin	
Other:								reconnaissance activities.	
Suspect ACM	1	Latitude: 47.14852962 N				The state of the s			
Residual Process Materials					A STORY	11/17			
Potentially Abandoned Containers				1.40	-		4		
Soil Staining/Stressed Vegetation		Longitude: 88.45879550 W	SACM#3: Pile that includes debris, metal wiring (rebar), gray woven fabric-like material, and bricks		ing east to reconnaissa		4#1/RPM#1 on		
Potential PCB or Mercury Containing Equipment				wooded h	illside north of Quincy	Stamp Mill No. 2.			
Other:	1	Latitude: 47.14858119 N							
Suspect ACM	· V	Latitude: 47.14858119 N							
Residual Process Materials									
Potentially Abandoned Containers		1 2 1 00 45000550 117	SACM#4: Black, asphaltic roof-like material laying on concrete slab, contains black tar-like substance on one						
Soil Staining/Stressed Vegetation	_	Longitude: 88.45883563 W	side, pebbles of various shapes, sizes and color on opposite						
Potential PCB or Mercury Containing Equipment								Material sample QMCM-ASBBLK87-052617 collected during targeter	
Other:								inspection activities is representative of the materials identified durin reconnaissance activities.	
Suspect ACM	1	Latitude: 47.14856878 N						Tecominassance activities.	
Residual Process Materials		A District Control of the Control of							
Potentially Abandoned Containers		1							
Soil Staining/Stressed Vegetation		Longitude: 88.45857854 W	SACM#5: Black asphaltic roof-like material, similar in appearance to SACM#2 and #4, partially buried, commonly						
Potential PCB or Mercury Containing Equipment			spread throughout the area					Managed accounts OMCMA ACRIDINGS OFFICES III	
occident Co of Microsity Containing Equipment								Material sample QMCM-ASBBLK87-052617 collected during targeted inspection activities is representative of the materials identified durin	
Other:								reconnaissance activities.	

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	
Increasting Date:	A/21/2017 and A/2A/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail, and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:			Document as Applicable:		
			And the second second second	The same of the sa			
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units Sample Recommendations	Notes	
Suspect ACM	✓ Latitude: 47.14857970 N						
Residual Process Materials							
Potentially Abandoned Containers		SACM#6: Roofing material, similar in appearance to SACM#2, #4, and #5, in a large pile near birch tree, material					
Soil Staining/Stressed Vegetation	Longitude: 88.45864831 W	is scattered nearby and in entire area of Washing/Classifying Floor (area between beginning of ditch and Stamp					
Potential PCB or Mercury Containing Equipment		Mill foundation wall)				Material sample QMCM-ASBBLK87-052617 collected during targeted	
						inspection activities is representative of the materials identified during	
Other:	✓ Latitude: 47.14857499 N					reconnaissance activities.	
Suspect ACM	▼ Lautude: 47.14857499 N						
Residual Process Materials							
Potentially Abandoned Containers		SACM #7: Yellow rectangular firebricks with black streaking, partially weathered and buried or scattered on					
Soil Staining/Stressed Vegetation	Longitude: 88.45867424 W	ground in vicinity. Smaller broken pieces are found scattered in the area.					
Potential PCB or Mercury Containing Equipment		A CONTRACTOR OF THE PROPERTY O				Material sample QMCM-ASBBLK85-052617 collected during targeted	
Other:						inspection activities is representative of the materials identified during reconnaissance activities.	
Suspect ACM	✓ Latitude: 47.14890116 N						
Residual Process Materials					and the state of t		
Potentially Abandoned Containers		SACM#8: Roof-like material, black weathered sheets, possibly felt paper, layered with tar-like substance, found					
Soil Staining/Stressed Vegetation	Longitude: 88.45853793 W	on hillside and buried into hill on northeast side of Stamp Mill No. 2	1/2	47			
Potential PCB or Mercury Containing Equipment				7/		Material sample QMCM-ASBBLK84-052617 collected during targeted	
						inspection activities is representative of the materials identified during	
Other:				-		reconnaissance activities.	
Suspect ACM	✓ Latitude: 47.14895530 N		Bal				
Residual Process Materials			7-1 3				
Potentially Abandoned Containers		SACM#9: Woven, fabric-like material, partially buried in wood debris and brick pile with rocks, material is gray,					
Soil Staining/Stressed Vegetation	Longitude: 88.45881476 W	weathered with rusting nails/tacks					
Potential PCB or Mercury Containing Equipment	transit from					Material sample QMCM-ASBBLK73-052617 collected during targeted	
Other				1 1 1		inspection activities is representative of the materials identified during	
Other: Suspect ACM	✓ Latitude: 47.14894778 N				The state of the s	reconnaissance activities.	
Residual Process Materials	V Estitude: 1712 165 1776 18		1 min	117 111			
Potentially Abandoned Containers		The second of the second control of the seco					
Soil Staining/Stressed Vegetation	Longitude: 88.45877797 W	SACM#10: Flat sheets of layered asphaltic, roof material, black with gray metallic paint, contains felt paper					
	Estigitude: Bo. 15017751 W	within layering				And the second s	
Potential PCB or Mercury Containing Equipment	- 			Carlo la la company		Material sample QMCM-ASBBLK86-052617 collected during targeted inspection activities is representative of the materials identified during	
Other:			1 1 12			reconnaissance activities.	
Suspect ACM	✓ Latitude: 47.14889770 N			11 11 11			
Residual Process Materials				BANK I			
Potentially Abandoned Containers		SACM#11: Scattered debris found in concrete trench and foundational block along the northeast side of Stamp					
Soil Staining/Stressed Vegetation	Longitude: 88.45890047 W	Mill No. 2, Debris includes: black gasket material of various sizes, black woven, mesh-like material, small pieces of red, yellow and black material, roofing pieces with tar-like substance, gray woven material (similar in	via III I	ring post to	ange legation CACMM11 with in		
Potential PCB or Mercury Containing Equipment		appearance to SACM#9), and black mastic w/ fabric		ting east to reconnaiss amp Mill No. 2.	ance location SACM#11 within	Material sample QMCM-ASBBLK78-052617 and QMCM-ASBBLK79-	
Other:						052617 collected during targeted inspection activities are representative of the materials identified during reconnaissance activities.	

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	
Inspection Date:	4/21/2017 and 4/24/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail, and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:			· · · ·	Document as Applicable:	***
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude: 47.14886974 N			3,0000	7772		
Residual Process Materials	1				7	Park 1		
Potentially Abandoned Containers			RPM#2: Yellow and orange rubbery mesh-imprinted material in small pieces, appears to be flexible, contains					
Soil Staining/Stressed Vegetation		Longitude: 88.45901200 W	mesh imprinted on one side and is smooth on the opposite. Material is situated in two scattered piles nearby					
Potential PCB or Mercury Containing Equipment			and is mixed with wood pieces and other debris			Z Special		March Drugs of Climber and Charles
Actorization of the state of th								Material sample QMCM-RPM05-0"-6" collected during targeted inspection activities is representative of the materials identified during
Other:							A VA	reconnaissance activities.
Suspect ACM		Latitude: 47.14892273 N		_	100			
Residual Process Materials	1				Z-1.		And Care	
Potentially Abandoned Containers			RPM#3: Potential tailing debris that has a copper-like, green coloring, small pieces are concentrated in an area					
Soil Staining/Stressed Vegetation		Longitude: 88.45904887 W	scattered with wood debris and concrete pieces					
Potential PCB or Mercury Containing Equipment					2			Material sample QMCM-RPM01-0"-6" collected during targeted
Other:						4	7/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	1	Latitude: 47.14892065 N						
Residual Process Materials						100	NAME OF THE PARTY	
Potentially Abandoned Containers			CLEANING TO A COLUMN TO A COLU	The second second				
Soil Staining/Stressed Vegetation		Longitude: 88.45906968 W	———SACM#12: Tar mastic in blocky, fist-sized chunks, loose pieces are scattered and appear to be weathered, mostly found on west side of concrete bases			1.		
Potential PCB or Mercury Containing Equipment						1		Material sample QMCM-ASBBLK72-052617 collected during targeted
				· 一型。	A. H. Isa	The state of the s	Carlo Maria	inspection activities is representative of the materials identified during
Other:					1	and the same of the	11.	reconnaissance activities.
Suspect ACM	1	Latitude: 47.14894135 N				View of RPM#3 or	floor of Stamp Mill No. 2.	
Residual Process Materials					Park Park			
Potentially Abandoned Containers			SACM#13: White rubber gasket (or caulk-like stripping) approximately 1" x 1' in length with rust marks, appears					
Soil Staining/Stressed Vegetation		Longitude: 88.45912784 W	weathered and layered on sides, found on concrete slab					
Potential PCB or Mercury Containing Equipment					12.5			
Other:				1				
Suspect ACM	1	Latitude: 47.14897341 N						
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude: 88.45905222 W	SACM#14: Black tar mastic, similar in appearance to SACM#12, found on lengths of concrete foundation	A LET				
Potential PCB or Mercury Containing Equipment								Material sample QMCM-ASBBLK71-052617 collected during targeted
						25 m		inspection activities is representative of the materials identified during
Other:								reconnaissance activities.
Suspect ACM	1	Latitude: 47.14898482 N						
Residual Process Materials			SACM#15: Black, mesh-imprinted felt-like material in small pieces, appears to be flexible, some is attached to					
Potentially Abandoned Containers			burlap-like fabric material, mixed in with yellow mesh-imprinted material (similar to RPM#2), some pieces					
Soil Staining/Stressed Vegetation		Longitude: 88.45904424 W	appear to be partially buried	, , , , , , , , , , , , , , , , , , ,	*			
Potential PCB or Mercury Containing Equipment			Gray woven material and tar roofing material is found nearby.	View looking east to SACM#14 or Mill No. 2.	concrete foundation	of Stamp		Material sample QMCM-ASBBLK76-052617 collected during targeted inspection activities is representative of the materials identified during

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	
Inspection Date:	4/21/2017 and 4/24/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail, and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Check as Appropriate: Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:					
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes	
Suspect ACM	1	Latitude: 47.14904098 N							
Residual Process Materials						N. Barrier			
Potentially Abandoned Containers			CARAGOR D. L. C.						
Soil Staining/Stressed Vegetation		Longitude: 88.45910419 W	SACM#16: Red woven, fabric material, approximately 3-4 inches in width with smaller width pieces found scattered on ground						
Potential PCB or Mercury Containing Equipment			scattered on ground			9		Material sample QMCM-ASBBLK77-052617 collected during targeted	
Other:						The second	1100	inspection activities is representative of the materials identified during reconnaissance activities.	
Suspect ACM	1	Latitude: 47.14903925 N							
Residual Process Materials			SACM#17: Various piles of cream to gray lumpy material (suspected asbestos containing thermal system						
Potentially Abandoned Containers			insulation) found at top of hill on northeast side of Stamp Mill No. 2, material contains visible fibers and appears		A CONTRACTOR	115			
Soil Staining/Stressed Vegetation		Longitude: 88.45924797 W	similar to wet, partially disintegrated paper						
Potential PCB or Mercury Containing Equipment			Piles continue down the hill and vary in coloring from brownish to white/green with a fibrous appearance.		286	A STATE OF	10.00	Material sample QMCM-ASBBLK74-052617 collected during targeted	
Other:			Piles continue down the nill and vary in coloring from brownish to white/green with a fibrous appearance.			, , , , , , , , , , , , , , , , , , ,		inspection activities is representative of the materials identified during reconnaissance activities.	
Suspect ACM	1	Latitude: 47.14895639 N		11 1994	100				
Residual Process Materials									
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude: 88.45916340 W	SACM#18: Pile of grey to black fibrous material approximately 1 foot in diameter, contains visible fibers through						
Potential PCB or Mercury Containing Equipment			pric		A Section	在 图像是		Material sample QMCM-ASBBLK75-052617 collected during targeted	
					-		90 0	inspection activities is representative of the materials identified dur reconnaissance activities.	
Other:				The second second			2 200		
Suspect ACM	1	Latitude: 47.14895634 N							
Residual Process Materials							N. A. Carlotte		
Potentially Abandoned Containers			SACM#19: Pile of black roofing material that appears tar-like, roofing material is mixed with wood debris, black			100			
Soil Staining/Stressed Vegetation		Longitude: 88.45914456 W	mesh-imprinted material (similar to SACM#15), fibrous grey/black material (similar to SACM#18) and gray						
Potential PCB or Mercury Containing Equipment			woven material (similar to SACM#9)					Material sample QMCM-ASBBLK73-052617 collected during targeted	
Other:				7 911		X Ac A		inspection activities is representative of the materials identified during reconnaissance activities.	
Suspect ACM	1	Latitude: 47.14891748 N		View looking	north to SACM#17 o	n foundation of St	ramp Mill No. 3		
Residual Process Materials				VIEW IDOKING	HOITH TO SACIVIFITY O	iii lodildadoli bi 30	amp will to. 2.		
Potentially Abandoned Containers									
Soil Staining/Stressed Vegetation		Longitude: 88.45915174 W	SACM#20: Black roofing material, layered felt-like material nailed into wooden board in trench near foundation of Stamp Mill No. 2, loose pieces of the same material are found on the ground nearby						
Potential PCB or Mercury Containing Equipment			of startly with No. 2, loose pieces of the same material are round on the ground nearby					Material sample QMCM-ASBBLK84-052617 collected during targeted	
Other:								inspection activities is representative of the materials identified durin reconnaissance activities.	
Suspect ACM		Latitude:							
Residual Process Materials					V				
Potentially Abandoned Containers			SEEP #1, #2: Seeps on northeast side of parcel flowing near highway ditch into which they drain. SEEP #2 is						
Soil Staining/Stressed Vegetation		Longitude:	approximately 20 feet southwest of #1, both contain clay pipes, broken into pieces and scattered around on the						
Potential PCB or Mercury Containing Equipment			ground. A larger piece of clay pipe is found uphill and to the east of #1.						
Other:groundwater seeps	1								

APPENDIX D Site Inspections - Reconnaissance Logs

Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	
Inspection Date:	4/24/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the eastern portion of the property. The property portion is bound to the west by Highway M-26, to the north by Parcel No. 009-014-017-00, to the east by Torch Lake, and to the south by the Quincy Stamp Sands Area. Parcel No.009-023-001-70 is located within the property area. The center portion of the property includes foundations and mining era ruins. The property slopes to the southeast towards Torch Lake and is comprised of mostly open grassland and wooded areas. EPA completed remedial activities at the subject and adjacent properties in 2005, capping what are now the open grassland portions of the property. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material and rubber sheeting and gasket materials were observed on the property. Abandoned drums were observed in the wooded area to the southeast. A former dump appears to be present in a portion of the property near Torch Lake.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	Latitude:		THE REPORT OF THE PARTY OF THE		基础 。	4.8	
Residual Process Materials							
Potentially Abandoned Containers				Markey 7	THE PERSON		
Soil Staining/Stressed Vegetation	Longitude:	Approximately a 10-foot long section of 4-foot tall fence is damaged near the access gate on the southeast side of M-26, across the highway from Stamp Mill No. 2					
Potential PCB or Mercury Containing Equipment		a m conscious are nighted in the manual control of the manual cont	The state of the s				
Other:Physical Hazard	✓						
Suspect ACM	✓ Latitude: 47.14870808 N					N. Contraction of the Contractio	
Residual Process Materials				A Salar	/X X	3/7	
Potentially Abandoned Containers		SACM#38: Red layered paper material in small pieces on former foundation area, appears rough and chipped,		The state of	THE STATE OF	2 P	
Soil Staining/Stressed Vegetation	Longitude: 88.45726001 W	area encompasses foundational extent and includes potential Transite tiles, black roofing material, gray layered		1		1	Material sample QMCM-ASBBLK42-052517, QMCM-ASBBLK43-052517,
Potential PCB or Mercury Containing Equipment		material (potentially dried paint), and white/gray paper-like layered gasket material	11 120		1 = 4		QMCM-ASBBLK44-052517 collected during targeted inspection
Other:					X^{r}		activities are representative of the materials identified during reconnaissance activities.
Suspect ACM	✓ Latitude: 47.14857B74 N			THE SEMENTINE			
Residual Process Materials							
Potentially Abandoned Containers		SACAMADO, Block layered union febric metavial appears to be uporthered uncomed around brown from like			S Williams		
Soil Staining/Stressed Vegetation	Longitude: B8.45690433 W	SACM#39: Black layered woven fabric material, appears to be weathered, wrapped around brown foam-like material in a bundle, partially buried	View looking	south at SACM#39			
Potential PCB or Mercury Containing Equipment		later (all it a barrate) partition partition			1		Material sample QMCM-ASBBLK36-052517 collected during targeted
							inspection activities is representative of the materials identified during
Other:	Latitude:						reconnaissance activities.
Suspect ACM	Latitude:	Dump Area #1: Residential/Commercial Dump Site, items observed include: car parts, rubber gasket material,					
Residual Process Materials		floor tile/linoleum, gray woven fabric sheeting (similar in appearance to SACM#39), black weathered roofing			10年 7人		
Potentially Abandoned Containers	1 - 5 - 1	material, gray woven metallic painted fabric tubing, rusted metal woven tubing, paint cans (most rusted,		30.00	T 2 3 1	Ports y problem	Material sample QMCM-ASBBLK37-052517, QMCM-ASBBLK38-052517
Soil Staining/Stressed Vegetation	Longitude:	crushed, appear to be empty), automobile tires (10 counted, potentially more), large kitchen appliances, black		Va.		A STATE OF THE STA	QMCM-ASBBLK39-052517, QMCM-ASBBLK40-052517, and QMCM-
Potential PCB or Mercury Containing Equipment		rubber sheeting, black tape wrapped hose, weathered household linoleum, rusted drums and carcasses including the following: 10 drum carcasses, drum pieces, one empty crushed drum, and one 5-gallon empty can		Avenue			ASBBLK41-052517 collected during targeted inspection activities are
Other:Dump Area #1 - Physical Hazards	1	including the following. To drain carcasses, drain pieces, one empty crushed drain, and one 3-gailon empty can					representative of the materials identified during reconnaissance activities.
Suspect ACM	Latitude:						
Residual Process Materials					1 6 3		
Potentially Abandoned Containers		Draw Ave #3. Draw Charles and draw with the six of the six of the same of the		7	是	THE RESERVE AND ADDRESS OF THE PARTY OF THE	
Soil Staining/Stressed Vegetation	Longitude:	Dump Area #2: Dump Site, includes mostly buried items including household bottles and containers, wire mesh, black woven fabric material, at least one rusted drum carcass, and sheet metal		1000			
Potential PCB or Mercury Containing Equipment				32 B			
Other:Dump Area #2 - Physical Hazards	1					A PARE	
Suspect ACM	Latitude: 47.14794143 N						
Residual Process Materials				# S.			
Potentially Abandoned Containers	1			(a)			
Soil Staining/Stressed Vegetation	Longitude: 88.45760635 W	Drum#11: Crushed, rusted drum, partially flattened, appears empty, contents unknown			200		
Potential PCB or Mercury Containing Equipment							
					View looking eas	st at Dump Area #1	

APPENDIX D Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area

Abendoned Mining Wastes - Torch Lake Non-Superfund Site

Quincy Mining Company Mason Area	
Quincy Stamp Mills Area	
009-023-001-00, Lakeshore Estates	
	Quincy Stamp Mills Area

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the eastern portion of the property. The property portion is bound to the west by Highway M-26, to the north by Parcel No. 009-014-017-00, to the east by Torch Lake, and to the south by the Quincy Stamp Sands Area. Parcel No.009-023-001-70 is located within the property area. The center portion of the property includes foundations and mining era ruins. The property slopes to the southeast towards Torch Lake and is comprised of mostly open grassland and wooded areas. EPA completed remedial activities at the subject and adjacent properties in 2005, capping what are now the open grassland portions of the property. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material and rubber sheeting and gasket materials were observed on the property. Abandoned drums were observed in the wooded area to the southeast. A former dump appears to be present in a portion of the property near Torch Lake.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Cantent, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude: 47.14804420 N						
Residual Process Materials				THE PROPERTY OF		6/4		
Potentially Abandoned Containers	1		Drum#12: Crushed, rusted drum, flattened, appears empty, contents unknown, located on top of overgrown			1		
Soil Staining/Stressed Vegetation		Longitude: 88.45766746 W	debris pile			13		
Potential PCB or Mercury Containing Equipment					ALINI FLOR	人 哲		
Other:								
Suspect ACM		Latitude: 47.14804911 N						
Residual Process Materials					10			
Potentially Abandoned Containers	1					3		
Soil Staining/Stressed Vegetation		Longitude: 88.45771026 W	Drum#13: Crushed, rusted drum carcass, contents unknown, if any, located on top of overgrown debris pile					
Potential PCB or Mercury Containing Equipment					-100			
Other:					1	研究		
Suspect ACM	1	Latitude: 47.14773628 N		24.75	West of the			
Residual Process Materials		_				76.		
Potentially Abandoned Containers					X YAK	预测		
Soil Staining/Stressed Vegetation		Longitude: 88.45784860 W	SACM#40: Black roofing material with tar paper, attached by nails to wooden boards, scattered throughout trench area to the east of remaining/standing brick wall	The State of the S				
Potential PCB or Mercury Containing Equipment			trench area to the east of remaining/stanting blick wall	View of Dru	m#13			Material sample QMCM-ASBBLK35-052517 collected during targeted
Other:								inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	1	Latitude: 47.14737629 N						
Residual Process Materials					وحالم ها	1		
Potentially Abandoned Containers			SACM#41: Gray woven fabric material, coated with black rubber material, appears to be in sheets (similar to		-	-1-1		
Soil Staining/Stressed Vegetation		Longitude: 88.45767896 W	SACM#41: Gray woven labric material, coated with black rubber material, appears to be in sneets (similar to SACM#39), partially buried		1			
Potential PCB or Mercury Containing Equipment						The state of the s		Material sample QMCM-ASBBLK36-052517 collected during targeted
							F	inspection activities is representative of the materials identified during
Other:		1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -			14			reconnaissance activities.
Suspect ACM	V	Latitude: 47.14700700 N			10000			
Residual Process Materials	_	-			A STATE OF THE PARTY OF THE PAR			
Potentially Abandoned Containers		Longitude: 88.45803578 W	SACM#42: Black tar paper roofing material, partially buried on railroad grade, similar material is found south				A CONTRACTOR OF THE PARTY OF TH	
Soil Staining/Stressed Vegetation		Longitude. 86.43803378 W	toward Torch Lake near wood structural remains				The last of the la	and the second substitution and the second s
Potential PCB or Mercury Containing Equipment						Con All	Knight - The State of the State	Material sample QMCM-ASBBLK32-052517 collected during targeted inspection activities is representative of the materials identified during
Other:						The state of the s		reconnaissance activities.
Suspect ACM	1	Latitude: 47.14688894 N						
Residual Process Materials						A LAND		
Potentially Abandoned Containers			SACM#M2: Black for nanor reading material attented to wooden beauty come weattened associated in the		A	A		
Soil Staining/Stressed Vegetation		Longitude: 88.45795587 W	SACM#43: Black tar paper roofing material, attached to wooden boards, some unattached, area includes 8 inch x 4 foot sheet of black rubber material sandwiching woven layers, area includes imprinted black rubber				(PECALA)	- E
Potential PCB or Mercury Containing Equipment						View of looking s	outhwest at SACM#40	Material sample QMCM-ASBBLK34-052517 collected during targeted
Other:								inspection activities is representative of the materials identification reconnaissance activities.

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the eastern portion of the property. The property portion is bound to the west by Highway M-26, to the north by Parcel No. 009-014-017-00, to the east by Torch Lake, and to the south by the Quincy Stamp Sands Area. Parcel No. 009-023-001-70 is located within the property area. The center portion of the property includes foundations and mining era ruins. The property slopes to the southeast towards Torch Lake and is comprised of mostly open grassland and wooded areas. EPA completed remedial activities at the subject and adjacent properties in 2005, capping what are now the open grassland portions of the property. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material and rubber sheeting and gasket materials were observed on the property. Abandoned drums were observed in the wooded area to the southeast. A former dump appears to be present in a portion of the property near Torch Lake.

Inspection Date:	4/24/2017						
Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓ Latitude: 47.14696437 N						
Residual Process Materials					-1-1-1-1-1	Vesting and the second	
Potentially Abandoned Containers				1	CONVA	14	
Soil Staining/Stressed Vegetation	Longitude: 88.45756628 W	SACM#44: Pile of black weathered tar paper roofing material in pile and scattered nearby, similar to SACM #42, area/pile extends south toward Torch Lake and drum removal area			1		
Potential PCB or Mercury Containing Equipment		area/pile extents south toward for the take and drum removal area		为函位的			Material sample QMCM-ASBBLK32-052517 collected during targeted
, , , , , , , , , , , , , , , , , , , ,			67/15/23		1		inspection activities is representative of the materials identified during
Other:							reconnaissance activities.
Suspect ACM	Latitude: 47.14711821 N			A 19 10 1			
Residual Process Materials							
Potentially Abandoned Containers	1						
Soil Staining/Stressed Vegetation	Longitude: 88.45758156 W	Drum#14: Crushed drum, partially buried on west side of Quincy Creek Bank			7	1	
Potential PCB or Mercury Containing Equipment				in the second	1 4 4		
				The state of	/ 漢字		
Other:				3	2. D. J. W		
Suspect ACM	Latitude: 47.14702364 N						
Residual Process Materials					1		
Potentially Abandoned Containers	1						
Soil Staining/Stressed Vegetation	Longitude: 88.45727676 W	Drum#15: Rusted, mangled, drum carcass, partially buried		The state of the s			
Potential PCB or Mercury Containing Equipment				View of looking nor	th to DRUM#14		
					1		
Other:	✓ Latitude: 47.14664070 N						
Suspect ACM	▼ Latitude: 47.14664070 N				STATE OF STATE		
Residual Process Materials			Clare To the State of the State	The state of the said		用以此及错误 意	
Potentially Abandoned Containers	1. 1. 1. 00 450050010	SACM#45: Wooden barge structure partially covered by weathered black roofing material with a gray metallic			Section of the	No. 12 1 15 E.	
Soil Staining/Stressed Vegetation	Longitude: 88.45806708 W	coating, roofing is partially attached to wooden boards of structure, some pieces are on the ground nearby		MANAGE OF		元	
Potential PCB or Mercury Containing Equipment			之。 特别 自张 以"特 (元)				Material sample QMCM-ASBBLK31-052517 collected during targeted
Other:			144 A. S.	330 1			inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	✓ Latitude: 47.14664070 N						reconnaissance activities.
Residual Process Materials				X			
Potentially Abandoned Containers		SACM#46: Black roll of weathered rubbery material, nearby items include: two rolls of gray woven fabric		and the second		A STATE OF THE STA	
Soil Staining/Stressed Vegetation	Longitude: 88.45806708 W	material with red fabric that is partially buried, partially uncoiled rubber sheeting, and buried rubber sheeting					
Potential PCB or Mercury Containing Equipment		with grommets			7000		A Little Committee or a committee or
Total res of Mercally Containing Equipment			A PRINCIPAL OF THE PRIN				Material sample QMCM-ASBBLK36-052517 collected during targeted inspection activities is representative of the materials identified during
Other:			2/2 OF 5 2	273			reconnaissance activities.
Suspect ACM	Latitude: 47.14651737 N						
Residual Process Materials					1. A		
Potentially Abandoned Containers	✓						
Soil Staining/Stressed Vegetation	Longitude: 88.45826326 W	Drum#16: Buried drum, rusted, unknown if visible piece is a carcass or complete drum, contents unknown	S - 19 75 65		24.56		
Potential PCB or Mercury Containing Equipment			No.		D C	- I CACABIAE	
			View of looking	southwest to Wooder	n вагge Structure а	nd SACM#45.	
Other:							

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the eastern portion of the property. The property portion is bound to the west by Highway M-26, to the north by Parcel No. 009-014-017-00, to the east by Torch Lake, and to the south by the Quincy Stamp Sands Area. Parcel No.009-023-001-70 is located within the property area. The center portion of the property includes foundations and mining era ruins. The property slopes to the southeast towards Torch Lake and is comprised of mostly open grassland and wooded areas. EPA completed remedial activities at the subject and adjacent properties in 2005, capping what are now the open grassland portions of the property. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material and rubber sheeting and gasket materials were observed on the property. Abandoned drums were observed in the wooded area to the southeast. A former dump appears to be present in a portion of the property near Torch Lake.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:			
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
			Scott Delott	Estimated Size/Area/ Volume	quantity	Units	Sample Recommendations	Hotes		
Suspect ACM	V	Latitude: 47.14641487 N								
Residual Process Materials							对外的			
Potentially Abandoned Containers			SACM#47: Pile of white/gray woven material covered/coated in black rubber, approximately 4 inches in width,	SE SE SES						
Soil Staining/Stressed Vegetation		Longitude: 88.45837528 W	partially buried		Maria P	A 1				
Potential PCB or Mercury Containing Equipment					4.7	A Part of	A STATE OF THE STA	Material sample QMCM-ASBBLK30-052517 collected during targeted		
Other:						三人名	34 7-32	inspection activities is representative of the materials identified during reconnaissance activities.		
Suspect ACM		Latitude: 47.14634112 N						1003.1110.000.000		
Residual Process Materials				1000						
Potentially Abandoned Containers	1									
Soil Staining/Stressed Vegetation		Longitude: 88.45824729 W	Drum#17: Flattened drum carcass, rusted, surrounded by granular tan colored substance, unknown contents		Als Sink	和 化元素				
Potential PCB or Mercury Containing Equipment						- 15A				
Other:								Waste Characterization sample QMCM-DM02-0"-6" was collecturing targeted inspection activities of the spilled material		
Suspect ACM	1	Latitude: 47.14630505 N		2 112 413	ALLE					
Residual Process Materials					Maria S	Land William	The second			
Potentially Abandoned Containers					Mark The Park	- OF 1				
Soil Staining/Stressed Vegetation		Longitude: 88.458832708 W	 SACM#48: Black tar roofing material, scattered in pieces on south side of railroad grade, some has metallic gray coating (similar in appearance to SACM#45) 	View of looking north to flattened DRUM#17						
Potential PCB or Mercury Containing Equipment			secting formal in appearance to section by					Material sample QMCM-ASBBLK29-052517 collected during targeted		
								inspection activities is representative of the materials identified durin		
Other:								reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14623118 N			The Paris					
Residual Process Materials							AU T			
Potentially Abandoned Containers			SACM#49: Black belt material approximately 6-8 inches wide, coiled, partially buried, included in area is strip of		1 4					
Soil Staining/Stressed Vegetation		Longitude: 88.45844810 W	gray dry rotted weathered gasket					Material sample QMCM-ASBBLK26-052517 and QMCM-ASBBLK27-		
Potential PCB or Mercury Containing Equipment					Veen 1			052517 collected during targeted inspection activities are		
Other:								representative of the materials identified during reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14588667 N		9/1/2		The second second		activities.		
Residual Process Materials		7	CACAMES a Block for specified material concern felt like fibrous and lawared martially busing along and deals advan		海上《		· /			
Potentially Abandoned Containers			SACM#53: Black tar roofing material, appears felt-like, fibrous and layered, partially buried along coal dock edge of cap toward remaining dock location, various sized pieces from 1 square foot to quarter sized pieces scattered		18					
Soil Staining/Stressed Vegetation		Longitude: 88.45738316 W	among coal debris and piled rocks, area extends south towards concrete pylon, larger area includes black				Charles A.			
Potential PCB or Mercury Containing Equipment			weathered roofing material attached to wooden boards that appears layered, but melted together,					Material sample QMCM-ASBBLK28-052517 collected during targeted		
			approximately 25 square feet	- A ()		M		inspection activities is representative of the materials identified during		
Other:				A STATE OF THE STA		315		reconnaissance activities.		
Suspect ACM		Latitude: 47.15110725 N					4			
Residual Process Materials						30.00				
Potentially Abandoned Containers			SEEP#3: Metallic sheen on water and sediment in ditch. When disturbed, the material forms "blocks" and then		No. of the last of					
Soil Staining/Stressed Vegetation		Longitude: 88.45533960 W	pulls back together	View of	looking northeast at	SACM#53 near Coa	I Dack.			
Potential PCB or Mercury Containing Equipment				71CW OI	I samp nor moust at					
Other: SEEP#3	1							Surface water sample QMCM-SW08 and sediment sample QMCM- SD47 were collected during targeted inspection activities.		

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	
Inspection Date:	4/24/2017 - 4/25/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the eastern portion of the property. The property portion is bound to the west by Highway M-26, to the north by Parcel No. 009-014-017-00, to the east by Torch Lake, and to the south by the Quincy Stamp Sands Area. Parcel No.009-023-001-70 is located within the property area. The center portion of the property includes foundations and mining era ruins. The property slopes to the southeast towards Torch Lake and is comprised of mostly open grassland and wooded areas. EPA completed remedial activities at the subject and adjacent properties in 2005, capping what are now the open grassland portions of the property. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material and rubber sheeting and gasket materials were observed on the property. Abandoned drums were observed in the wooded area to the southeast. A former dump appears to be present in a portion of the property near Torch Lake.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM	1	Latitude: 47.14437050 N								
Residual Process Materials										
Potentially Abandoned Containers			CACABUTE Distance Communication of the Cacabute Cacabute Communication of the Cacabute Cacabu	1100						
Soil Staining/Stressed Vegetation		Longitude: 88.46025314 W	SACM#55: Black roofing material, similar in appearance to SACM#54, less metallic coloring, appears more weathered, found on shoreline	D. Hall		三世 水蒜				
Potential PCB or Mercury Containing Equipment				1 4 7	75			Material sample QMCM-ASBBLK45-052517 collected during targeted		
Other:					1.57AB	111		inspection activities is representative of the materials identified during reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14445596 N		The state of the s			9:00	7500/1100/1100/1100/1100/1100/1100/1100/		
Residual Process Materials										
Potentially Abandoned Containers				21 - 12			- 1150			
Soil Staining/Stressed Vegetation		Longitude: 88.46052994 W	SACM#56: Black roofing material, similar in appearance to SACM#54 and #55, pieces approximately 5 square							
Potential PCB or Mercury Containing Equipment			feet in size laying on top of the cap			The same		Material sample QMCM-ASBBLK45-052517 collected during targeted		
Other:						4		inspection activities is representative of the materials identified during reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14388484 N		F14 P	1		The same of the sa	75007/Maisourido decividos		
Residual Process Materials		7			E to the second	to the				
Potentially Abandoned Containers						inh				
Soil Staining/Stressed Vegetation		Longitude: 88.46151238 W	SACM#57: Black rubber coated belt-like material, weathered in places and appears to be layered under rubber coating, partially buried in debris/rock pile, (similar in appearance to SACM#43)							
Potential PCB or Mercury Containing Equipment			coacing, partially buried in debris/rock pile, (similar in appearance to SACM#45)		All Marie II	Material sample QMCM-ASBBLK34-052517 collected during targeted				
, and a second s								inspection activities is representative of the materials identified during		
Other:						100	ALCOHOL:	reconnaissance activities.		
Suspect ACM	✓	Latitude: 47.14349329 N				NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,	产的 发			
Residual Process Materials							1)02			
Potentially Abandoned Containers			SACM#58: Black roofing material with metallic coating, attached to wooden board along shoreline, similar in							
Soil Staining/Stressed Vegetation		Longitude: 88.45754114 N	appearance to other samples found along shoreline near dredge				And a second			
Potential PCB or Mercury Containing Equipment				Vi	ew of looking east to	dredge and SACM#!	55.	Material sample QMCM-ASBBLK45-052517 collected during targeted		
								inspection activities is representative of the materials identified during		
Other:								reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14475602 N								
Residual Process Materials										
Potentially Abandoned Containers			SACM#59: Black roofing material, similar in appearance to SACM#54, 55, and 5B, along shoreline, one piece is							
Soil Staining/Stressed Vegetation		Longitude: 88.45880084 W	attached to a wooden board underwater							
Potential PCB or Mercury Containing Equipment	-							Material sample QMCM-ASBBLK45-052517 collected during targeted inspection activities is representative of the materials identified during		
Other:								reconnaissance activities.		
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers										
Soil Staining/Stressed Vegetation		Longitude:								
Potential PCB or Mercury Containing Equipment										
Other:							-			

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	
Inspection Date:	4/25/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the eastern portion of the property. The property portion is bound to the west by Highway M-26, to the north by Parcel No. 009-014-017-00, to the east by Torch Lake, and to the south by the Quincy Stamp Sands Area. Parcel No.009-023-001-70 is located within the property area. The center portion of the property includes foundations and mining era ruins. The property slopes to the southeast towards Torch Lake and is comprised of mostly open grassland and wooded areas. EPA completed remedial activities at the subject and adjacent properties in 2005, capping what are now the open grassland portions of the property. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material and rubber sheeting and gasket materials were observed on the property. Abandoned drums were observed in the wooded area to the southeast. A former dump appears to be present in a portion of the property near Torch Lake.

Check as Appropriate:		Record Field Measurements:	nts: Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:				
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	1	Latitude: 47.14331184 N						
Residual Process Materials								
Potentially Abandoned Containers			CACABUCO DI ALA GALLA SILI SILI SILI SILI SILI SILI SILI					
Soil Staining/Stressed Vegetation		Longitude: 88.458771011 W	SACM#60: Black roofing material, similar in appearance to SACM#58 and #59 along shore line, one piece is attached to a board in the water					
Potential PCB or Mercury Containing Equipment			action to a source in the water	250/12/20				Material sample QMCM-ASBBLK45-052517 collected during targeted
Other:				6 inches x 2 feet 1 foot x 10 inches				inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	1	Latitude: 47.14500256 N		I foot x to menes				recombissance activities.
Residual Process Materials								
Potentially Abandoned Containers								
Soil Staining/Stressed Vegetation		Longitude: 88.46137115 W	SACM#77: Black tar chunk found at base of tree, buried in ground, approximately 30 feet from highway M-26,					
Potential PCB or Mercury Containing Equipment			near concrete slab					
Other:								Material not sampled for SACM, determined to be road tar.
Suspect ACM	1	Latitude: 47.14227911 N						
Residual Process Materials								
Potentially Abandoned Containers			SACM#78: Rubber material buried into hillside, includes rubber coated belts and rubber sheeting, located along		i chin			
Soil Staining/Stressed Vegetation		Longitude: 88.46284838 W	north hillside			1/3 指补处部		
Potential PCB or Mercury Containing Equipment					200			
								To all out to the second of the sales
Other:		Latitude: 47.14241588 N			-	The same of the last		Material not sampled for SACM, determined to be rubber.
Suspect ACM	_ ×	Editude: 47.14241366 N			A SPECIAL PROPERTY.	The state of the s	-1000	
Residual Process Materials			SACM#79: Area just west of monitoring wells toward concrete foundation, including suspect items: black rubber					
Potentially Abandoned Containers		1 - 2 1 - 00 45275 420 W	1 1/2 inch diameter hose, black rubber gaskets, rubber sheeting, white/gray weathered fabric material with				A STATE OF	Material sample QMCM-ASBBLK46-052517, QMCM-ASBBLK47-052517
Soil Staining/Stressed Vegetation		Longitude: 88.46275438 W	gray substance attached in places located toward fence line, thicker rubber matting located just to the south,					QMCM-ASBBLK48-052517, QMCM-ASBBLK49-052517, QMCM-
Potential PCB or Mercury Containing Equipment		-	and black/gray/red metal clipped fabric belting					ASBBLK50-052517 collected during targeted inspection activities are representative of the materials identified during reconnaissance
Other:					C. C.	O to the last		activities.
Suspect ACM		Latitude: 47.14190619 N					OR STATE OF THE ST	
Residual Process Materials					Control of the Control	163.30		
Potentially Abandoned Containers	1				1000			
Soil Staining/Stressed Vegetation		Longitude: 88.46350579 W	Drum#30: Rusted drum, partially crushed and buried		A. Alexander	100	- ST 1000	
Potential PCB or Mercury Containing Equipment					A CONTRACTOR OF THE PARTY OF TH			
Other:				55-Gal	100	W 3		
Suspect ACM		Latitude: 47.14181034 N			1000			
Residual Process Materials						A Carlo		
Potentially Abandoned Containers	1					1		
Soil Staining/Stressed Vegetation		Longitude: 88.46348122 W	Drum#31: Rusted, partially sunk drum with stick-up (petcock) bung, top and bottom intact, no oil sheen in water surrounding it				A STATE OF	
Potential PCB or Mercury Containing Equipment			an ounding a		V	iew of looking north	east to Drum#31.	
Other:				55-Gal				

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-00, Lakeshore Estates	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the eastern portion of the property. The property portion is bound to the west by Highway M-26, to the north by Parcel No. 009-014-017-00, to the east by Torch Lake, and to the south by the Quincy Stamp Sands Area. Parcel No. 009-023-001-70 is located within the property area. The center portion of the property includes foundations and mining era ruins. The property slopes to the southeast towards Torch Lake and is comprised of mostly open grassland and wooded areas. EPA completed remedial activities at the subject and adjacent properties in 2005, capping what are now the open grassland portions of the property. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material and rubber sheeting and gasket materials were observed on the property. Abandoned drums were observed in the wooded area to the southeast. A former dump appears to be present in a portion of the property near Torch Lake.

Check as Appropriate: Record Field Measurements:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:				
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM		Latitude: 47.14197462 N						
Residual Process Materials						1		
Potentially Abandoned Containers	1					1 1/4	以 其一次一次(11年)	
Soil Staining/Stressed Vegetation		Longitude: 88.46354392 W	— Drum#32: Approximately 24 rusted drum tops and bottoms, partially buried, some folded/crushed, at least one contains a label that reads: Dow Chemical Company					建筑以外。相互性对现在
Potential PCB or Mercury Containing Equipment							WAR THE STATE OF	等并为有主理的
Other:								Carlot Address of the second
Suspect ACM		Latitude: 47.14200196 N					了一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	THE REPORT OF THE PARTY OF THE
Residual Process Materials							The state of the s	
Potentially Abandoned Containers	1		Drugs#37) Dueted drugs both and listed avant a bullet hale is present at any or distribution 19.					
Soil Staining/Stressed Vegetation		Longitude: 88.46328898 W	—— Drum#33: Rusted drum, both ends intact except a bullet hole is present at one end, petroleum-like odor near the drum			2		
Potential PCB or Mercury Containing Equipment						3		
Other:								
Suspect ACM		Latitude: 47.14205956 N						
Residual Process Materials								
Potentially Abandoned Containers	1					-		
Soil Staining/Stressed Vegetation		Longitude: 88.46324170 W	Drum#34: Rusted black painted drum, partially buried, appears to have a lid inside	200 00000000000000000000000000000000000	-	MA Sec 14		
Potential PCB or Mercury Containing Equipment						250		THE RESERVE TO THE RE
Other:				2000年	新企業		View	looking southeast to Drum#32.
Suspect ACM		Latitude: 47.14223289 N		STATE OF THE STATE	THE RESERVE			
Residual Process Materials					The second	-3 (3)		
Potentially Abandoned Containers	1			A STATE OF THE STA	A STATE OF	500		
Soil Staining/Stressed Vegetation		Longitude: 88.46288684 W	Drum#35: Black, rusted, partially buried drum, no visible top, contents unknown (only leaf litter is visible), approximately 10 inches of the drum is visible					
Potential PCB or Mercury Containing Equipment				STATE OF THE STATE		4.5		
Other:					是自己的			
Suspect ACM		Latitude: 47.14241588 N						
Residual Process Materials				这样还有一个		A CO		
Potentially Abandoned Containers	1							
Soil Staining/Stressed Vegetation		Longitude: 88.46275439 W	Drum#36 (GPS point for SACM#79): Mangled, flattened drum carcass, partially buried		4000	X		
Potential PCB or Mercury Containing Equipment					22	and the		
Other:								
Suspect ACM	1	Latitude:		20 19 19	1			
Residual Process Materials					并是是一种			
Potentially Abandoned Containers					The same of			
Soil Staining/Stressed Vegetation		Longitude:	Black wire wrap, appears to be aluminum wire, near northeast shoreline of Coal Dock area, observed and	是一个一个	11年 後後			
Potential PCB or Mercury Containing Equipment			sampled during targeted inspection activities.	View of Drum#36, near SACM#79				Material comple ONACNA ACRRIVAR DE SELT college - 1
Other:				PICS OF BRUTHING	-, s.			Material sample QMCM-ASBBLK33-052517 collected during targets inspection activities is representative of the materials identified during reconnaissance activities.

APPENDIX D Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area

Quincy Mining Company Mason Operations Area
Abendoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:

Property (Common Name):

Quincy Stamp Mills Area

Property Identification Number and Owner:

009-023-001-70, Osceola Township

Inspection Date:

04/24/2017 - 04/25/2017

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is restricted to the property. The property is bounded to the west by Highway M-26, to the north, northeast, and south by Parcel No. 009-023-001-00, and to the southeast by Torch Lake. The property includes portions of the former stamp mill operations. Foundations and mining era materials are present in the northeast portion of the property. The western portion of the property contains an access road that runs throughout the gated Stamp Sands area. EPA completed remedial activities at the subject and adjacent properties in 2005. Suspect asbestos containing materials, including asphaltic roofing material, mastic, and fire bricks were observed on the north end of the property. Additional suspect asbestos containing asphaltic roofing material was observed at the south end of the parcel. Abandoned drums were observed at the north end of the property near mining era structures and foundational remains.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:					Document as Applicable:			
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes			
Suspect ACM	1	Latitude: 47.14626304 N									
Residual Process Materials				/	AT ASSESSMENT						
Potentially Abandoned Containers			SACM#50: Gray/black shingle-like roofing material attached to wooden board with nails along approximately 3/4 of the height of the coal bin/silo, approximately 3 feet wide			1 THE R. P. LEWIS CO., LANSING, MICH.					
Soil Staining/Stressed Vegetation		Longitude: 88.45848218 W	3/4 of the neight of the coal bin/silo, approximately 3 feet wide	60		1000		Material samples QMCM-ASBBLK24-052517 and QMCM-ASBBLK25-			
Potential PCB or Mercury Containing Equipment			Includes gray/white mastic between wooden boards and the concrete silo walls.			i in		052517 collected during targeted inspection activities are			
Other: Diesel-like odor								representative of the materials identified during reconnaissance activities.			
Suspect ACM		Latitude: 47.14631996 N									
Residual Process Materials											
Potentially Abandoned Containers	1			19	100	The state of the s					
Soil Staining/Stressed Vegetation		Longitude: 88.45853916 W	Drum#18: Drum buried with only top portion of rim visible, buried near the southeast side of the coal bin, contents unknown, but contains visible leaf litter	No.	37,000						
Potential PCB or Mercury Containing Equipment			Concerts distributing the concerns this is the concerns t		-						
Other:											
Suspect ACM		Latitude: 47.14633410 N									
Residual Process Materials				/ 15		100					
Potentially Abandoned Containers	1				32 34 L	-					
Soil Staining/Stressed Vegetation		Longitude: 88.45877515 W	Drum#19: Drum carcass without top or bottom, rusted, partially flattened, contents are unknown but crystallized material is spilling out that appears to be white and solid	f - 5 to 10		1 1 1 1					
Potential PCB or Mercury Containing Equipment			crystallized material is spilling out that appears to be write and solid								
,				View of SACM#50, shingle	-like material and gra	y mastic.		Waste Characterization sample QMCM-DM03-0"-6" collected during			
Other:								targeted inspection activities			
Suspect ACM	1	Latitude: 47.14656547 N									
Residual Process Materials							A STATE OF THE STA				
Potentially Abandoned Containers			SACM#51: Pile of bricks at base of smoke stack, yellow "fire bricks" of varying sizes, including 5x5 inch, 5x7 inch,								
Soil Staining/Stressed Vegetation		Longitude: 88.45883351 W	and 9x6 inch, pile includes slate material mixed within. Nearby a rusted metal flange was observed with			En-		Material samples QMCM-ASBBLK22-052517 and QMCM-ASBBLK23-			
Potential PCB or Mercury Containing Equipment			approximately 2 linear feet of rope gasket attached				A COLUMN TO THE	052517 collected during targeted inspection activities are representative of the materials identified during reconnaissance			
Other:								activities.			
Suspect ACM	1	Latitude: 47.14625785 N			1						
Residual Process Materials							Bilds 1				
Potentially Abandoned Containers			CACABUETA Di ali anni illi anni ali anni								
Soil Staining/Stressed Vegetation		Longitude: 88.45934283 W	SACM#52: Black, tar-like roofing material attached to wooden boards, found in concrete and wood basin, two pieces are visible with potentially more buried in leaf litter		9	-	THE REAL PROPERTY OF THE PARTY				
Potential PCB or Mercury Containing Equipment					D.A	100		Material sample QMCM-ASBBLK28-052517 collected during targeted			
Other:						***		inspection activities is representative of the materials identified during reconnaissance activities.			
Suspect ACM	1	Latitude: 47.14471045 N						Total Malada Tec del			
Residual Process Materials											
Potentially Abandoned Containers	n l		COMPANIE OF THE PROPERTY OF TH			The state of					
Soil Staining/Stressed Vegetation		Longitude: 88.45981845 W	SACM#54: Black roofing material on shoreline near edge of cap, has metallic coating, appears weathered and in poor condition, material appears to be similar to that on dredge roof in places								
Potential PCB or Mercury Containing Equipment			poor contractify material appears to be similar to triat off disage foor in places				The second second	Material sample QMCM-ASBBLK45-052517 collected during targeted			
Other:						View looking	south to Drum#19.	inspection activities is representative of the materials identified during reconnaissance activities.			

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-05, Iroquouis Copper, LLC.	
Property Identification Number and Owner:	009-023-001-05, Iroquouis Copper, LLC.	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail, and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Inspection Date:	4/21/	2017 and 4/24/2017								
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:	Document as Applicable:						
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM	1	Latitude: 47.14770860 N		EL MARKEN WARREN WAR		Ye.				
Residual Process Materials										
Potentially Abandoned Containers			CACAMIDA EL		and the same	À				
Soil Staining/Stressed Vegetation		Longitude: 88.46018467 W	SACM#21: Flat, rectangular sheet of layered material with rusted metal brackets attached, sheet is approximately 18 x 36 inches	A STATE OF THE STA	70	7.				
Potential PCB or Mercury Containing Equipment								Material sample QMCM-ASBBLK68-052617 collected during targeted inspection activities is representative of the materials identified durin		
Other:								reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14758350 N			20/00	A T				
Residual Process Materials										
Potentially Abandoned Containers					1					
Soil Staining/Stressed Vegetation		Longitude: 88.45988498 W	SACM#22: Scraps of white/gray woven fabric with visibly weathered black coating. Visible length is approximately 4 feet and is partially buried.	The second of th						
Potential PCB or Mercury Containing Equipment			approximately 4 reet and is partially buried.			e		Material sample QMCM-ASBBLK70-052617 collected during targeted		
								inspection activities is representative of the materials identified during		
Other:						1		reconnaissance activities.		
Suspect ACM	V	Latitude: 47.14754006 N			Sign Sign					
Residual Process Materials					在 於第一次。					
Potentially Abandoned Containers			SACM#23: Gray/white caulking material around rusted window frames laying on ground, material is attached to				and the same of th			
Soil Staining/Stressed Vegetation		Longitude: 88.46042663 W	the windows in creases	The second second	4	E 7 TO				
Potential PCB or Mercury Containing Equipment					Sea market			Material sample QMCM-ASBBLK67-052617 collected during targeted		
Other:				View looking south at metal window for	rames with SACM#23			inspection activities is representative of the materials identified durin reconnaissance activities.		
Suspect ACM	1	Latitude: 47.14765748 N		found near Quincy Turbine (Pe	ower) House.	THE PERSON NAMED IN				
Residual Process Materials					1000					
Potentially Abandoned Containers			SACM#24: Black woven fabric tubing, appears weathered and deteriorated, approximately 2 inches in diameter							
Soil Staining/Stressed Vegetation		Longitude: 88.46040243 W	and approximately 5 feet long, partially buried							
Potential PCB or Mercury Containing Equipment								Material sample QMCM-ASBBLK69-052617 collected during targeted		
640					and the same	100		inspection activities is representative of the materials identified durin		
Other:		Latitude: 47.14782446 N				-		reconnaissance activities.		
Suspect ACM		Latitude. 47.14782440 N		1						
Residual Process Materials	1				a second					
Potentially Abandoned Containers		Longitude: 88.46024110 W	DRUM#2: Rusted, crushed drum carcass, no visible top or bottom, partially buried			M	The same			
Soil Staining/Stressed Vegetation		Longitude: 88.40024110 W	bitotimes. Rusted, crashed drain careass, no visible top or doctors, partially barred		COLUMN TO N					
Potential PCB or Mercury Containing Equipment										
Other:						200	14			
Suspect ACM	1	Latitude: 47.14665213 N			- 718 - PA	三大小小司				
Residual Process Materials						- FEB.				
Potentially Abandoned Containers					170					
Soil Staining/Stressed Vegetation		Longitude: 88.46122398 W	SACM#25: Pile of black asphalt shingle roofing material along edge of ORV trail, appear to be more modern than previously seen roofing material		16					
Potential PCB or Mercury Containing Equipment							4103	Material sample QMCM-ASBBLK65-052517 collected during targete		
Other:					Drum#2 near	north corner of C	tuincy Turbine (Power) House.	inspection activities is representative of the materials identified during reconnaissance activities.		

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-05, Iroquouis Copper, LLC.	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail, and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	1	Latitude: 47.14696845 N						
Residual Process Materials					F745 14 14 74 75 440	- CO To 1 7-7	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	
Potentially Abandoned Containers			CACAMOC The see : Passed the blad selection of blad of the selection of the second of					
Soil Staining/Stressed Vegetation		Longitude: 88.46067707 W	SACM#26: The area is littered with black gasket material and black roofing material with tar-like substance, some of which is attached to wooden boards (similar in appearance to SACM#8), material varies in size					
Potential PCB or Mercury Containing Equipment			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			- 10 M		Material sample QMCM-ASBBLK84-052617 collected during targeted
						全国		inspection activities is representative of the materials identified during
Other:								reconnaissance activities.
Suspect ACM	1	Latitude: 47.14706515 N			1			
Residual Process Materials				11c				
Potentially Abandoned Containers			SACM#27: Pile of gray fibrous material, appears deteriorated, suspected asbestos containing thermal system	Section 1	The state of the s			
Soil Staining/Stressed Vegetation		Longitude: 88.46058317 W	insulation, small piles extend southeast toward Stamp Mill No. 1 building wall and include overall area of approximately 60 x 40 feet					
Potential PCB or Mercury Containing Equipment			approximately 60 x 40 feet		THE PERSON IN		Marie Control	Material sample QMCM-ASBBLK60-052517 collected during targeted
Other:					1		Miles I !	inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	1	Latitude: 47.14743876 N		76. PA		关层分文		recommunity derivites.
Residual Process Materials								
Potentially Abandoned Containers						- AATA		
Soil Staining/Stressed Vegetation		Longitude: 88.46046196W	SACM#28: Crushed metal sheeting that appears to have been a fire door, material inside metal is gray paper-like and appears layered, suspect TSI	View loc	king northeast at SAC	M#28, suspect TSI	material	
Potential PC8 or Mercury Containing Equipment			and appears tayored, suspect 151					Material sample QMCM-ASBBLK64-052517 collected during targeted
Other:								inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	1	Latitude:			District Control		100	
Residual Process Materials					10/10			
Potentially Abandoned Containers	1		Approximately 50 feet of pipe wrap partially attached to metal pipes and on floor inside Stamp Mill No. 1 building, suspected asbestos-containing thermal system insulation material was viewed from outside building on		T. M.	-		
Soil Staining/Stressed Vegetation		Longitude:	northeast corner looking southwest. An abandoned drum is observed further into the building.		THE UNITED	2005 I		
Potential PCB or Mercury Containing Equipment				100 miles	A STATE			
				Usali di				
Other:						El.		
Suspect ACM		Latitude: 47.14661340 N		TE GARA	A	第一15	18-3	
Residual Process Materials					No. 1964	4.0		
Potentially Abandoned Containers	1	1 2 1 00 40007040114	Container #3: Quart-sized rusted container of "Quality Plus" Motor Oil, empty		NO DE	A STATE OF THE PARTY OF THE PAR	1	
Soil Staining/Stressed Vegetation		Longitude: 88.46097310 W	Container #5. Quart-sized rusted container of Quality Flus Wotor Oil, empty		ALC: NO.	Mark Mar		
Potential PCB or Mercury Containing Equipment						VAKE	10 TO	
Other:						ON WHAT	The same of the sa	
Suspect ACM		Latitude:				100	Marie Committee	
Residual Process Materials					The state of the s	3 出以另		
Potentially Abandoned Containers						Ser.		
Soil Staining/Stressed Vegetation		Longitude:	SACM#29: Pile of lumpy gray material, potential asbestos containing thermal system insulation, similar in	Pipe wrap obse	rved in Stamp Mill No.	1 on northeast co	orner of building.	
Potential PCB or Mercury Containing Equipment			appearance to SACM#17 and #27					Material sample QMCM-ASBBLK60-052517 collected during targeted
Other:								inspection activities is representative of the materials identified during reconnaissance activities.

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:

Property (Common Name):

Quincy Stamp Mills Area

Property Identification Number and Owner:

009-023-001-05, Iroquouis Copper, LLC.

Inspection Date:

4/21/2017 and 4/24/2017

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail, and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Check as Appropriate:	Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	✓ Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	✓ Latitude: 47.14672952 N			-			
Residual Process Materials				14-10-1			
Potentially Abandoned Containers							
Soil Staining/Stressed Vegetation	Longitude: 88.46053163 W	SACM#30: Length of black and red woven fabric material, approximately 40 feet x 4 inches, shredded and frayed along the edges, surrounded by small pieces of mesh-imprinted material, roofing, and screen		The walk	3		
Potential PCB or Mercury Containing Equipment		along the edges, surrounded by small pieces of mesh implified material, rooming, and selecti			-1		Material sample QMCM-ASBBLK62-052517 collected during targeted
							inspection activities is representative of the materials identified durin
Other:				1		1	reconnaissance activities.
Suspect ACM	Latitude: 47.14660240 N			到 科特区20			
Residual Process Materials					500 A		
Potentially Abandoned Containers	1	DRUM #4: Rusted drum, top and bottom appear missing, crushed to approximately 6 inches, appears to be filled					
Soil Staining/Stressed Vegetation	Longitude: 88.46061797 W	with possibly soil and leaf debris	Charles Co.		Sale I		
Potential PCB or Mercury Containing Equipment							
Other:			the same				
Suspect ACM	Latitude: 47.14660744 N		5 Hz 17 U				
Residual Process Materials					4		
Potentially Abandoned Containers	1						
Soil Staining/Stressed Vegetation	Longitude: 88.46057546 W	DRUM #5; Crushed, rusted drum, open at one end, appears to be empty and filled with leaf debris, partially buried					
Potential PCB or Mercury Containing Equipment		bureu	NE 1 12 H GAGN	120 0 1411111	n .		
,			View looking northeast at SACM	130 on Stamp Mill #1	noor.		
Other:					Decree		
Suspect ACM	Latitude: 47.14655622 N						
Residual Process Materials	1						
Potentially Abandoned Containers		RPM#4: Thick brown sludge-like material found beneath rusted metal roofing of thickener in Mineral House,			The second		
Soil Staining/Stressed Vegetation	Longitude: 88.46061783 W	material is mixed with leaf and wood debris		17.00			
Potential PCB or Mercury Containing Equipment							Material sample QMCM-RPM06-0"-6" collected during targeted
							inspection activities is representative of the materials identified during
Other:				A STATE	3 1 5 - All .		reconnaissance activities.
Suspect ACM	✓ Latitude: 47.14688890 N						
Residual Process Materials						4	
Potentially Abandoned Containers		SACM#31: Piles varying in size of suspected asbestos containing thermal system insulation (similar in		2 2		7	
Soil Staining/Stressed Vegetation	Longitude: 88.46035698 W	appearance to SACM#17, 27, and 29), gray or brown, fibrous, overall area encompasses approximately 40 x 80 feet				Marie Marie	
Potential PCB or Mercury Containing Equipment		leet					Material sample QMCM-ASBBLK60-052517 collected during targeted
Other:							inspection activities is representative of the materials identified during reconnaissance activities.
Suspect ACM	✓ Latitude:				2		
Residual Process Materials					**		
Potentially Abandoned Containers		CAPANICO A OF THE STATE OF THE		MARK ZI			
Soil Staining/Stressed Vegetation	Longitude:	SACM#32: 1 x2 foot section of layered black woven fabric material, faded and weathered with rivet holes and bolts, approximately 5-6 sheets, with pieces of debris of same material throughout the area		SAC	M#31 observed o	n Stamp Mill foundation.	
Potential PCB or Mercury Containing Equipment		policy opproximatory 2 visitects, man pieces of debits of same material diroughout the died					Material sample QMCM-ASBBLK63-052517 collected during targeted
Other:							inspection activities is representative of the materials identified during reconnaissance activities.

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-05, Iroquouis Copper, LLC.	
Inspection Date:	4/21/2017 and 4/24/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Content, and Similar Material Properties:				Document as Applicable:	
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes
Suspect ACM	1	Latitude: 47.14698200 N			A STATE OF THE STA	1776		
Residual Process Materials					100			
Potentially Abandoned Containers			SACM#33: Yellow/mustard colored flexible material, approximately 8 x 5 inches, appears weathered and layered		17/14/13	(P)		
Soil Staining/Stressed Vegetation		Longitude: 88.46046098 W	with burlap-like material attached on one side, smaller similar pieces nearby		7			
Potential PCB or Mercury Containing Equipment			A control of the cont					Material sample QMCM-ASBBLK61-052517 collected during targeted
	1					100		inspection activities is representative of the materials identified during
Other:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-	150/16		reconnaissance activities.
Suspect ACM		Latitude: 47.14712444 N			PT 30	0.00		
Residual Process Materials								
Potentially Abandoned Containers	1		Drivens, p. 4511, b. 544 days of Clinical State College Colleg					
Soil Staining/Stressed Vegetation		Longitude: 88,46001584 W	DRUM#6: Partially buried drum carcass, filled with visible leaf debris, other contents not visible, missing lid		H			
Potential PCB or Mercury Containing Equipment								
Other:					No.	1		
Suspect ACM	1	Latitude: 47.14713202 N		7 3 4 VIII V	人生人	() () () () () ()		
Residual Process Materials				20/				
Potentially Abandoned Containers			SACM#34: Black roofing material, sheet approximately 4 x 6 feet attached to wooden boards, material is			2		
Soil Staining/Stressed Vegetation		Longitude: 88.45989596 W	weathered and flaking, boards are partially buried					
Potential PCB or Mercury Containing Equipment			C. C			100		Material sample QMCM-ASBBLK59-052517 collected during targeted
				DRUM#6 located on north sid	le of Stamp Mill No. 1.			inspection activities is representative of the materials identified during
Other:								reconnaissance activities.
Suspect ACM	V	Latitude: 47.14683184 N			Y. A		100	
Residual Process Materials			SACM#35: Roofing material along southeast edge of Stamp Mill No. 1 building, adjacent to M-26. Roofing is		The state of the s		N. N.	
Potentially Abandoned Containers			black, weathered, and similar in appearance to SACM#34. Pieces are scattered on the ground between the			100	- 1 N 1 - 1 N 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	
Soil Staining/Stressed Vegetation		Longitude: 88.45973366 W	building and the roadway in the right of way, additional pieces are found on ground near the south edge of the				Processing the Control of the Contro	
Potential PCB or Mercury Containing Equipment			building near the parking lot. Roofing appears to have come from Stamp Mill No. 1 building					Material sample QMCM-ASBBLK58-052517 collected during targeted inspection activities is representative of the materials identified during
Other:						DE CENTRAL	-4.2	reconnaissance activities.
Suspect ACM	1	Latitude: 47.14675008 N						
Residual Process Materials						()	是 《 》 《 》 《 》 《 》	
Potentially Abandoned Containers						A MARK		
Soil Staining/Stressed Vegetation		Longitude: 88.45984209 W	———SACM#36: Underground steam pipe with visible thermal system insulation material that appears white and in poor condition found on pipe and on ground of underground crawlspace					
Potential PCB or Mercury Containing Equipment			poor condition round on pape and on ground of anderground elemopace					
Other:								Material was not sampled during Targeted Inspection Activities
Suspect ACM		Latitude: 47.14650268 N				- Valentie		Material was not sampled during Targeted inspection Activities
Residual Process Materials		100000000000000000000000000000000000000			1000			
Potentially Abandoned Containers	1				100	CALEN		
Soil Staining/Stressed Vegetation		Longitude: 88.45984209 W	DRUM#7: Rusted and crumbled drum carcass, found along south edge of Stamp Mill No.1 building, partially buried					
Potential PCB or Mercury Containing Equipment		The state of the s	ouned		AGency 1		MATERIAL A CACAMAT	
							p Mill No. 1, SACM#35 roofing ing to underground steam pipe.	
Other:								

APPENDIX D

Site Inspections - Reconnaissance Logs Quincy Mining Company Mason Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Geographic Area:	Quincy Mining Company Mason Area	
Property (Common Name):	Quincy Stamp Mills Area	
Property Identification Number and Owner:	009-023-001-05, Iroquouis Copper, LLC.	
Inspection Date:	4/21/2017 and 4/24/2017	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Access is not restricted to the western portion of the property. The property portion is bound to the east by Highway M-26, to the northwest by an ORV Trail and to the north by Parcel No. 009-023-001-20. The property includes portions of two former stamp mill operations. Foundations and mining era materials are present in the central portion of the property. The property slopes to the southeast from a ridge on which the ORV trail is located to M-26. The majority of the property to the west side of M-26 is wooded and is steeply sloped in most places. Quincy Creek bisects the property and discharges to Torch Lake. Suspect asbestos containing materials, including asphaltic roofing material, potential thermal insulation material and rubber sheeting and gasket materials were observed on the property in and around the stamp mill ruins. Abandoned drums were observed in the wooded area to the south of the foundation remains. Residual processing materials were observed in the woods along the property line to the north, and in and around the concrete foundation remains of both stamp mill ruins.

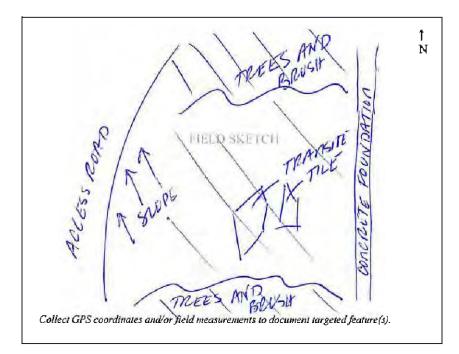
Check as Appropriate:		Record Field Measurements:	Provide Written Description Including Condition, Cantent, and Similar Material Properties:				Document as Applicable:			
Potential Chemical or Physical Hazards	1	Location/Coordinates	Description	Estimated Size/Area/Volume	Quantity	Units	Sample Recommendations	Notes		
Suspect ACM		Latitude: 47.14630981 N			DONE	THE RESERVE A				
Residual Process Materials						りはは強				
Potentially Abandoned Containers	1						是一种性质的 [7]			
Soil Staining/Stressed Vegetation		Longitude: 88.46095246 W	DRUM #8: Crushed drum with rusted hole, partially buried, appears empty, but contents unknown							
Potential PCB or Mercury Containing Equipment										
Other:		Land I are a segraph to			Act of	100		-		
Suspect ACM		Latitude: 47.14635391 N				三十六	EST VALUE			
Residual Process Materials										
Potentially Abandoned Containers	1		Container #9: Three 5-gallon plastic container, two white/clear with blue tops, one full with contents unknown							
Soil Staining/Stressed Vegetation		Longitude: 88.46127222 W	and appears dark, second partially full; third white/clear with a red top, container crack and empty							
Potential PCB or Mercury Containing Equipment										
Other:								Surface soil sample QMCM-S\$49-0"-6" collected during targeted inspection activities.		
Suspect ACM		Latitude: 47.14650847 N					THE PERSON NO.			
Residual Process Materials										
Potentially Abandoned Containers	1									
Soil Staining/Stressed Vegetation		Longitude: 88.46104754 W	DRUM#10: Rusted drum, bulging at both ends, container showing visible cracks, contents unknown							
Potential PCB or Mercury Containing Equipment					175	P. C. C.				
Other:										
Suspect ACM	1	Latitude: 47.14656781 N								
Residual Process Materials				Lastrador Tratadoros (1			View loc		tainer#9 in wooded area west of o Mill No. 1.	
Potentially Abandoned Containers						Stulli) (4) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1			
Soil Staining/Stressed Vegetation		Longitude: 88.46114700 W	SACM#37: Weathered gray woven fabric, similar in appearance to SACM#9			13.0				
Potential PCB or Mercury Containing Equipment								Material sample QMCM-ASBBLK66-052517 collected during targeted		
Other:								inspection activities is representative of the materials identified durin reconnaissance activities.		
Suspect ACM	1	Latitude:		PACK CONTRACTOR						
Residual Process Materials					1 1					
Potentially Abandoned Containers			SACM#76: Metal fire door, similar to fire door found by Quincy Creek with suspect TSI material visible, TSI		第一次					
Soil Staining/Stressed Vegetation		Longitude:	material was not visible without disturbing leaf litter surrounding crumbled metal sheeting (similar metal to			9				
Potential PCB or Mercury Containing Equipment			SACM 28)			₹ E				
Other:					全时 人					
Suspect ACM		Latitude:								
Residual Process Materials										
Potentially Abandoned Containers					1					
Soil Staining/Stressed Vegetation		Longitude:				-				
Potential PCB or Mercury Containing Equipment				View looking north to DRUM#10 in wooded						
				Mill No.	L.					

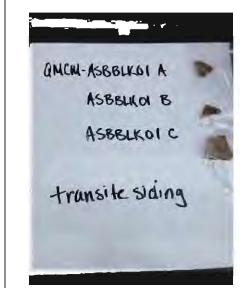


SITE INSPECTIONS - TARGETED INSPECTIONS



ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE QUINCY MINING COMPANY MASON OPERATIONS TARGETED INSPECTION FORM





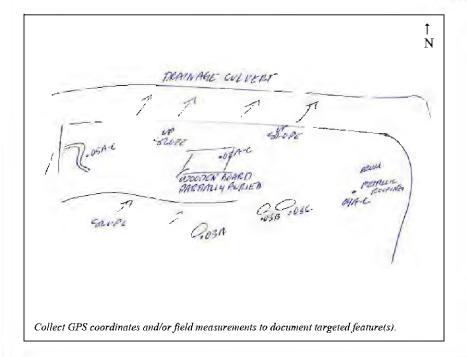
Representative photograph of sample location and/or targeted feature.

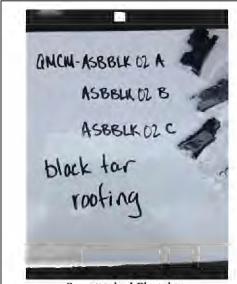
Feature Identification/Name: Wooded area southeast of Rec. Plant/east of access road Inspection Date: <u>5/24/2017</u>

Study Area: Quincy Mining Company Mason	Property Identification Number: <u>009-026-003-00</u>					
OBSERVATIONS (Including description and sketch)	Inspector/Sampler: A. Miller/J. Binkley					
Circle the appropriate answer;						
Potential Physical Hazard: □Yes ☑No Potential Chemic	al Hazard: □Yes ⊠No					
Capped Area: □Yes ⊠No Residual Process Material	.: □Yes ⊠No Abandoned Container: □Yes ⊠No					
Stressed Vegetation: □Yes ⊠No Visible Staining:	□Yes ⊠No Building Materials: ⊠Yes □No					
Describe Targeted Feature:						
Located to the east of the access road. Transite siding is found grass, trees and brush.	within the concrete foundation, mostly buried by over grown					
Sampling Activities (Sample Description, Sample Time, Req	quested Analyses):					
QMCM-ASBBLK01(A-C)-052417 (Transite siding) - collected	ed at 1305					
Potential Exposure Pathways (Ingestion, Inhalation, Direct	t Contact):					
Property is partially secured, material is not friable.						
Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):						

Material is partially buried near concrete foundation, close proximity to drainage culvert and outlet to Torch Lake.

ABANDONED MINING WASTES TORCH LAKE NON-SUPERFUND SITE QUINCY MINING COMPANY MASON OPERATIONS TARGETED INSPECTION FORM





See attached Photolog. Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/24/2017 Feature Identification/Name: Wooded area south of Reclamation Plant

Study Area: Quincy Mining Company Mason

Property Identification Number: <u>009-026-003-00</u>

OBSERVATIONS (Including description and sketch)

Inspector/Sampler: A. Miller/J. Binkley

Circle the appropriate answer;

Potential Physical Hazard: ⊠Yes □No Potential Chemical Hazard: □Yes

Capped Area: □Yes ⊠No Residual Process Material: Yes No Abandoned Container: \Box Yes \boxtimes No

Stressed Vegetation:

Yes \boxtimes No Visible Staining: □Yes ⊠No Building Materials: \square No

Describe Targeted Feature:

Wooded area south of the Reclamation Plant. Debris is found throughout the wooded area and includes abandoned drums, black tar roofing, conveyor belts, metallic coated roofing, wire wrap, and other potential physical hazards including large sheet metal cut-outs, and a potentially pressurized container.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK02(A-C)-052417 (black tar roofing) – collected at 1313

QMCM-ASBBLK03(A-C)-052417 (conveyor belt) - collected at 1316

QMCM-ASBBLK04(A-C)-052417 (metallic roofing) - collected at 1333

QMCM-ASBBLK05(A-C)-052417 (wire wrap) – collected at 1339

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

Property is partially secured. Material, especially roofing, is in poor condition and may become friable.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

Materials are distributed in the wooded area, are partially buried, and within close proximity to drainage culverts. Large sheet metal cutouts and potentially pressurized container may pose physical hazard to trespassers; other abandoned containers are documented throughout area.

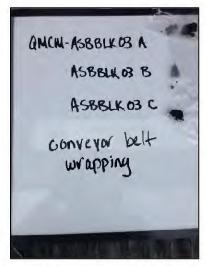


Photo 1: QMCM-ASBBLK03(A-C)-052417

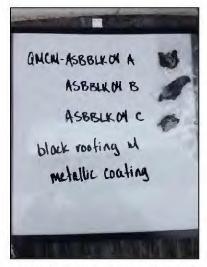


Photo 2: QMCM-ASBBLK04(A-C)-052417

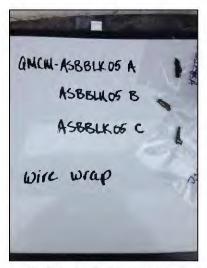
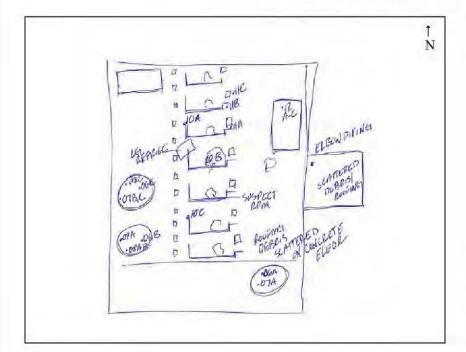


Photo 3: QMCM-ASBBLK05(A-C)-052417





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: <u>5/24/2017</u> Feature Identification/Name: <u>Reclamation Plant concrete foundation</u>

Study Area: Quincy Mining Company Mason Property Identification Number: 009-026-003-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Binkley

Circle the appropriate answer;		
Potential Physical Hazard: Yes	□No Potential Chemical Hazard: ⊠Yes	□No

Capped Area: ☐Yes ☒No Residual Process Material: ☒Yes ☐No Abandoned Container: ☒Yes ☐No

Stressed Vegetation: □Yes ⋈No Visible Staining: □Yes ⋈No Building Materials: ⋈Yes □No

Describe Targeted Feature:

Reclamation Plant concrete floor and foundation. Debris is found throughout foundational remains and includes Residual Processing Materials in piles on concrete floor, general wastes (automobile tires and a large potentially Freon containing refrigerator), suspect asbestos containing material. Suspect asbestos containing material found on the concrete floor and circular structures includes metallic painted roofing, silver felt paper, brownish fibrous string, brown TSI, black tar mastic, rubber coated fabric and black tubing.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK06(A-C)-052417 (metallic painted roofing) - collected at 1355

QMCM-ASBBLK07(A-C)-052417 (silver felt paper) - collected at 1357

QMCM-ASBBLK08(A-C)-052417 (brownish fibrous string) - collected at 1414

QMCM-ASBBLK09(A)-052417 (brown TSI) - collected at 1420

QMCM-ASBBLK10(A-C)-052417 (black tar mastic) - collected at 1420

QMCM-ASBBLK11(A-C)-052417 (rubber coated fabric) - collected at 1440

QMCM-ASBBLK12(A-C)-052417 (black tubing) - collected at 1451

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

Property is partially secured, suspect TSI material, roofing and felt paper, noted as friable, others may become friable. Evidence of trespassers (air soft pellets) is found in and around Reclamation Plant.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

Area is fenced off to trespassers, however a 'walk through' gate is accessible nearby. The ground surface to the east of the foundation floor slopes toward the pond and Torch Lake.

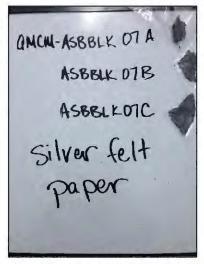


Photo 1: QMCM-ASBBLK07(A-C)-052417

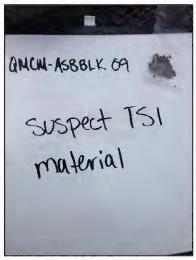


Photo 3: QMCM-ASBBLK09(A)-052417

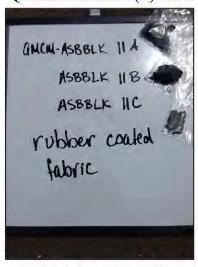


Photo 5: QMCM-ASBBLK11(A-C)-052417

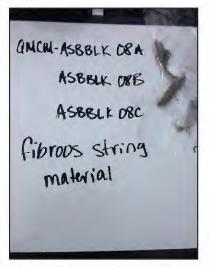


Photo 2: QMCM-ASBBLK08(A-C)-052417



Photo 4: QMCM-ASBBLK10(A-C)-052417

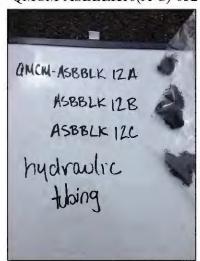
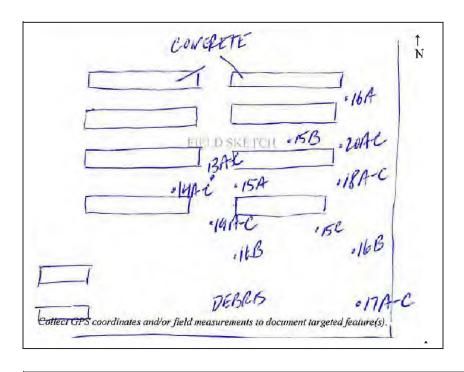


Photo 6: QMCM-ASBBLK12(A-C)-052417



See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/24/2017 Feature Identification/Name: Shore Plant Foundational Remains near Reclamation Plant

Study Area: <u>Quincy Mining Company Mason</u> Property Identification Number: <u>009-026-003-00</u>

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Binkley

Circle the appropriate answer;			
Potential Physical Hazard: ⊠Yes □No	Potential Chemical Hazard: ⊠Ye	s □No	
Capped Area: □Yes ⊠No Residual	l Process Material: ⊠Yes □N	o Abandoned Container:	□Yes ⊠No
Stressed Vegetation: □Yes ⊠No	Visible Staining: □Yes ⊠No	Building Materials: \(\times \text{Y}\)	es □No

Describe Targeted Feature:

Shore Plant concrete floor and foundation. Debris is found throughout foundational remains and includes Residual Processing Materials in piles on concrete floor west of wood wheel debris remains and suspect asbestos containing material. Suspect asbestos containing material found on the ground includes wrapped tubing, wire wrap, gasket material, roofing, and suspect thermal system insulation.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK13(A-C)-052417 (black wrapped tubing) – collected at 1505

QMCM-ASBBLK14(A-C)-052417 (woven wrap) – collected at 1514

QMCM-ASBBLK15(A-C)-052417 (green shingle) - collected at 1524

OMCM-ASBBLK16(A-C)-052417 (black felt paper roofing) – collected at 1527

QMCM-ASBBLK17(A-C)-052417 (wbite TSI) – collected at 1600

QMCM-ASBBLK18(A-C)-052417 (black solid tubing) - collected at 1610

QMCM-ASBBLK19(A-C)-052417 (white wiring wrap) - collected at 1614

QMCM-ASBBLK20(A-C)-052417 (black gasket) - collected at 1616

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

Material in poor condition, especially suspect TSI material and roofing noted as friable and is susceptible to wind and water erosion. The site is partially secured and accessible to trespassers through a 'walk through' gate nearby.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The debris and TSI material are located in and around the concrete foundation that is adjacent to the Shore Pond. The Shore Pond is bydraulically connected to Torch Lake through a narrow stream channel to the southeast.

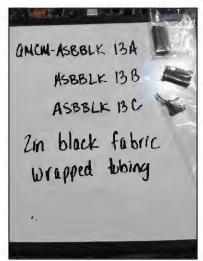


Photo 1: QMCM-ASBBLK13(A-C)-052417

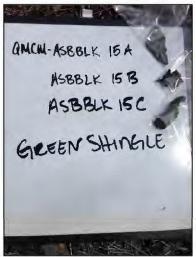


Photo 3: QMCM-ASBBLK15(A-C)-052417

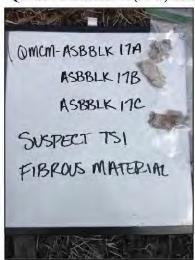


Photo 5: QMCM-ASBBLK17(A-C)-052417

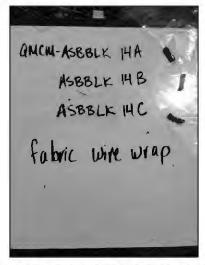


Photo 2: QMCM-ASBBLK14(A-C)-052417

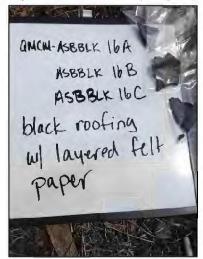


Photo 4: QMCM-ASBBLK16(A-C)-052417

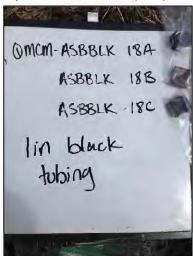


Photo 6: QMCM-ASBBLK18(A-C)-052417



Photo 7: QMCM-ASBBLK19(A-C)-052417

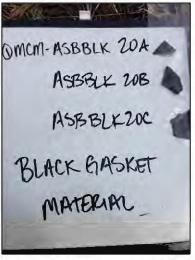
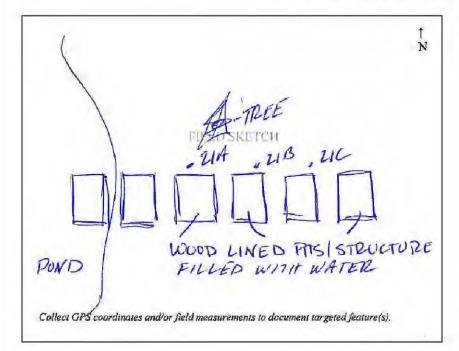
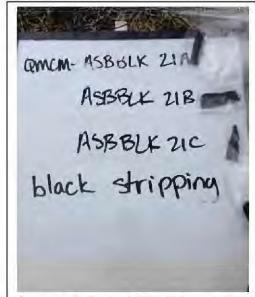


Photo 8: QMCM-ASBBLK20(A-C)-052417





Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/24/2017

Feature Identification/Name: Wooden pits/structures east of Shore Plant

Study Area: Quincy Mining Company Mason

Property Identification Number: <u>009-026-003-00</u>

OBSERVATIONS (Including description and sketch)

Inspector/Sampler: A. Miller/J. Binkley

Circle the appropriate answer;

Potential Physical Hazard:

Yes

No Potential Chemical Hazard:
Yes

No

Capped Area:
☐ Yes ☐ No Residual Process Material: ☐ Yes ☐ No Abandoned Container: ☐ Yes ☐ No

Stressed Vegetation: ☐Yes ☒No Visible Staining: ☐Yes ☒No Building Materials: ☒Yes ☐No

Describe Targeted Feature:

The area is situated at the edge of the capped area east of the Reclamation and Shore Plant foundations. The target feature includes six wood line structures/pits that are filled with water and wood debris. The suspect asbestos containing material is found near the wooden boards near each of the six structures/pits. The caulking material is found in small pieces and still intact and on the wooden boards, approximately 1-2 centimeters in width.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

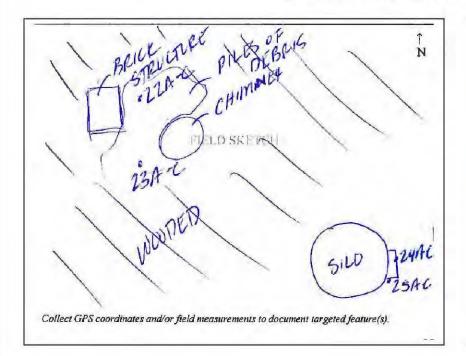
QMCM-ASBBLK21(A-C)- (black caulking) – collected at 1635

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The material is weathered and is in fair condition. The property is partially secured with a 'walk through' gate north and west of the Reclamation and Shore Plants nearby.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The material is located at the edge of the stamp sand cap near the shoreline of Torch Lake.





See attached Photolog.
Representative photograph of sample location and/ortargeted feature.

Inspection Date: 5/25/2017 Feature Identification/Name: Lakeshore Estates near Concrete Chimmey and Coal Bin

Study Area: Quincy Mining Company Mason Property Identification Number: <u>009-023-001-70</u>

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;									
Potential Physic	al Haza	rd: ⊠Ye	es 🗆 No	Potential Chemical	Hazard	: □Yes	⊠No		
Capped Area:	□Yes	⊠No	Residua	Process Material:	□Yes	⊠No	Abandoned Container	: □Yes	No
Stressed Vegeta	tion:	Yes	⊠No	Visible Staining: [∃Yes	⊠No	Building Materials:	⊠Yes [□No

Describe Targeted Feature:

The area is partially wooded and includes mining era foundational remains and debris. Two abandoned drums (one with visible waste) are found in the vicinity. The suspect asbestos containing material included fire bricks (which also pose a physical trip hazard), rope gasket attached to a metal flange on the ground, shingle material and mastic on the south side of the Coal Bin.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK22(A-C)-052517 (yellow fire bricks) - collected at 0900

QMCM-ASBBLK23(A-C)-052517 (rope gasket) – collected at 0905

QMCM-ASBBLK24(A-C)-052517 (silo shingle) – collected at 0910

QMCM-ASBBLK25(A-C)-052517 (gray mastic) - collected at 0911

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The property is partially secured with a 'walk through' gate north and west of the Reclamation and Shore Plants nearby. A breach in the fence is also found closer to the property, making it accessible to trespassers. Rope gasket and gray mastic noted as in poor condition and friable.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The meterials are leasted in a wooded area amprovimentally 200 feet from the charaline of Torch I also



Photo 1: QMCM-ASBBLK23(A-C)-052517

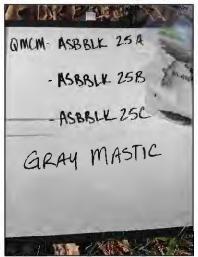


Photo 3: QMCM-ASBBLK25(A-C)-052517

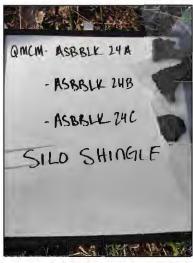
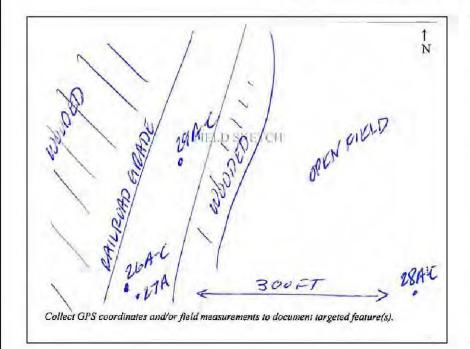
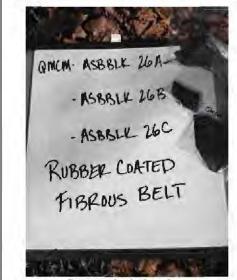


Photo 2: QMCM-ASBBLK24(A-C)-052517





See attached photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/25/2017 Feature Identification/Name: Coal Dock Area

Study Area: Quincy Mining Company Mason Property Identification Number: 009-023-001-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle the app	ropriate	answer	;						
Potential Physi	ical Haza	rd: 🗆 Y	es 🛮 No	Potential Chemical	l Hazard:	□Yes	⊠No		
Capped Area:	□Yes	⊠No	Residual	Process Material:	□Yes	⊠No.	Abandoned Container	: ⊠Y	es □No
Stressed Veget	tation:	∃Yes	⊠No	Visible Staining: [∃Yes	⊠No	Building Materials:	⊠Yes	□No

Describe Targeted Feature:

The area is partially wooded and includes mining era foundational remains and debris. Two abandoned drums (one with visible waste) are found in the vicinity. The suspect asbestos containing material includes rubber coated fibrous belting approximately 6-8 inches in width, gray gasket material, felt roofing w/ mastic and black tar mastic. The material is scattered throughout area and partially buried in some locations near the south side of the railroad grade.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK26(A-C)- (black fibrous belt) - collected at 0919

QMCM-ASBBLK27(A)- (gray gasket) - collected at 0921

QMCM-ASBBLK28(A-C)- (felt roofing w/ mastic) – collected at 0928

QMCM-ASBBLK29(A-C)- (black tar roofing) - collected at 0935

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The property is partially secured with a 'walk through' gate north and west of the Reclamation and Shore Plants nearby. A breach in the fence is also found closer to the property, making it accessible to trespassers.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located in a wooded area approximately 300 feet from the shoreline of Torch Lake, except ASBBLK29(A-C), which is located on the shoreline near the Coal Dock.

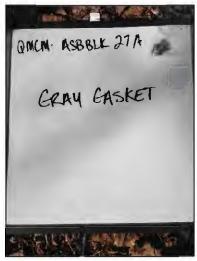


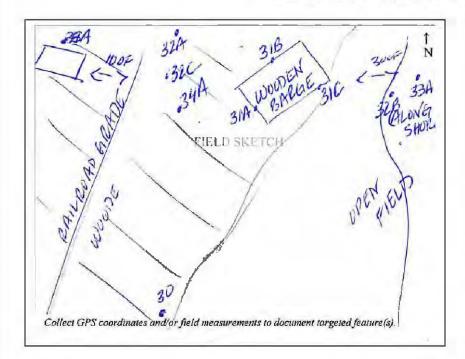
Photo 1: QMCM-ASBBLK27(A)-052517

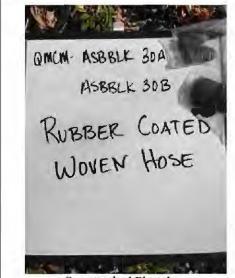


Photo 3: QMCM-ASBBLK29(A-C)-052517



Photo 2: QMCM-ASBBLK28(A-C)-052517





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: <u>5/25/2017</u> Feature Identification/Name: <u>Coal Dock Area</u>

Study Area: Quincy Mining Company Mason Property Identification Number: 009-023-001-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Describe Targeted Feature:

The area is partially wooded and includes mining era foundational remains and debris. Two abandoned drums are found in the vicinity south of Quincy Creek. The suspect asbestos containing material includes woven hosing, woven layered material, roofing and layered felt paper. The material is scattered throughout area and partially buried in some locations near the wooden barge in the woods.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK30(A-B)- (woven hose) - collected at 0940

QMCM-ASBBLK31(A-C)- (black/metallic roofing) - collected at 0951

QMCM-ASBBLK32(A-C)- (black tar roofing) – collected at 0958

QMCM-ASBBLK33(A)- (black wire wrap) - collected at 1003

QMCM-ASBBLK34(A)- (woven layers) - collected at 1015

QMCM-ASBBLK35(A)- (black layered felt paper) - collected at 1037

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The property is partially secured with a 'walk through' gate north and west of the Reclamation and Shore Plants nearby. A breach in the fence is also found closer to the property, making it accessible to trespassers.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located in a wooded area approximately 50-100 feet from the Quincy Creek, which drains into Torch Lake.

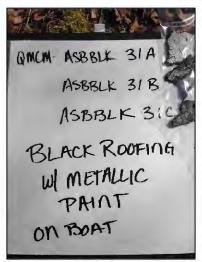


Photo 1: QMCM-ASBBLK31(A-C)-052517



Photo 3: QMCM-ASBBLK33(A)-052517

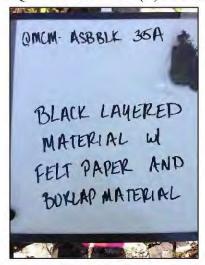


Photo 5: QMCM-ASBBLK35(A)-052517

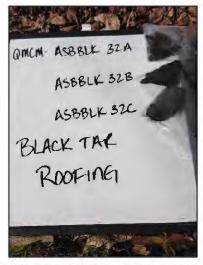


Photo 2: QMCM-ASBBLK32(A-C)-052517

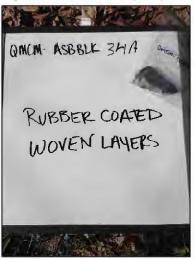
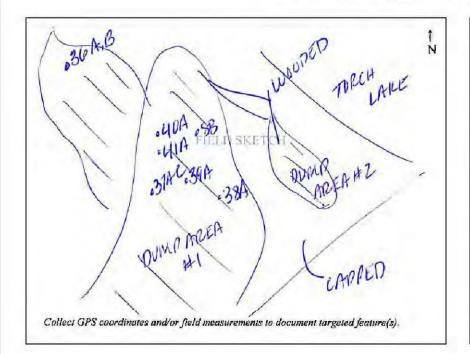


Photo 4: QMCM-ASBBLK34(A)-052517





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/25/2017 Feature Identification/Name: Coal Dock Area

Study Area: Quincy Mining Company Mason Property Identification Number: 009-023-001-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle	the	appropriate	answer;	

Potential Physical Hazard: ⊠Yes □No Potential Chemical Hazard: □Yes ⊠No

Capped Area: ☐Yes ☒No Residual Process Material: ☐Yes ☒No Abandoned Container: ☒Yes ☐No

Stressed Vegetation: ☐Yes ☒No Visible Staining: ☐Yes ☒No Building Materials: ☒Yes ☐No

Describe Targeted Feature:

The Dump Site is found near the edge of the capped area in two partially wooded areas. The area is littered with debris that includes apparent industry and household materials. Abandoned drums and drum carcasses are found throughout the area.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK36(A-B)-052517(conveyor belt) - collected at 1048

QMCM-ASBBLK37(A-C)-052517 (gray woven tubing) – collected at 1116

QMCM-ASBBLK38(A)-052517 (white woven screen) - collected at 1125

QMCM-ASBBLK39(A-C)-052517 (black tape wrapped hose) – collected at 1130

QMCM-ASBBLK40(A)-052517 (black linoleum) - collected at 1138

QMCM-ASBBLK41(A)-052517 (white linoleum) - collected at 1139

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The property is partially secured with a 'walk through' gate north and west of the Reclamation and Shore Plants nearby. A breach in the fence is also found closer to the site, making it accessible to trespassers.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located in a partially wooded area approximately 50-100 feet from Torch Lake. The ground slopes gradually to the east from the dump areas.

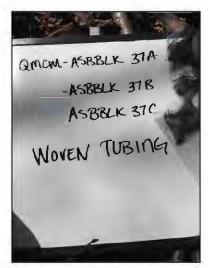


Photo 1: QMCM-ASBBLK37(A-C)-052517

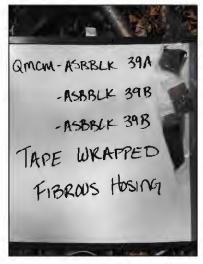


Photo 3: QMCM-ASBBLK39(A-C)-052517

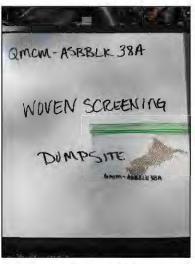
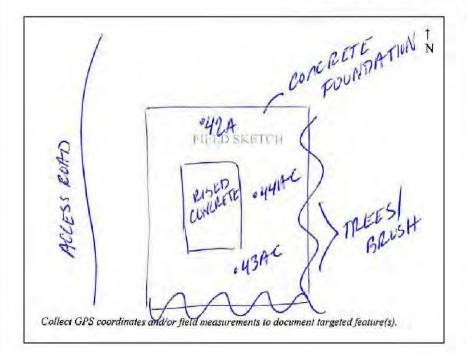


Photo 2: QMCM-ASBBLK38(A-C)-052517



Photo 4: QMCM-ASBBLK40(A)-052517 QMCM-ASBBLK41(A)-052517





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: <u>5/25/2017</u> Feature Identification/Name: Concrete foundation near access road in Coal Dock Area

Study Area: Quincy Mining Company Mason Property Identification Number: <u>009-023-001-00</u>

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;

Potential Physical Hazard:

Yes

No Potential Chemical Hazard:

Yes

No

Capped Area: ⊠Yes □No Residual Process Material: □Yes ⊠No Abandoned Container: □Yes ⊠No

Stressed Vegetation: □Yes ⋈No Visible Staining: □Yes ⋈No Building Materials: ⋈Yes □No

Describe Targeted Feature:

The area includes a concrete foundation (Quincy Booster Pump Station) to the east of the access road and west of the dump site. The concrete slab contains suspect asbestos containing materials such as Transite tiles and gasket material laying on the foundation. Material quantities observed were less than 1 square foot foot each.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK42(A-C)-052517 (white layered gasket) – collected at 1150

QMCM-ASBBLK43(A-C)-052517 (Transite tile) - collected at 1155

QMCM-ASBBLK44(A-C)-052517 (black Transite tile) - collected at 1200

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The property is partially secured with a 'walk through' gate north and west of the Reclamation and Shore Plants nearby. A breach in the fence is also found closer to the site, making it accessible to trespassers. White layered gasket noted as friable.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located approximately 200 feet from the Torch Lake shoreline.

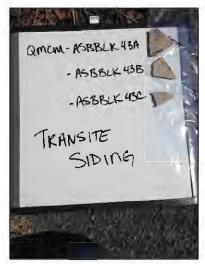


Photo 1: QMCM-ASBBLK43(A-C)-052517

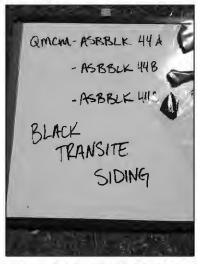
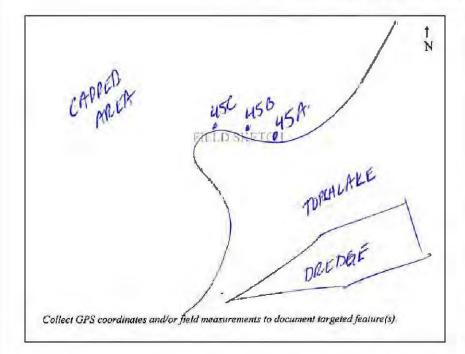
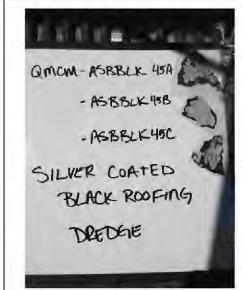


Photo 2: QMCM-ASBBLK44(A-C)-052517





Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/25/2017 Feature Identification/Name: Open field near partially sunken Dredge

Study Area: Quincy Mining Company Mason Property Identification Number: 009-023-001-70

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle th	he app	propriate	answer;
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Potential Physical Hazard:

Yes

No Potential Chemical Hazard:

Yes

No

Capped Area:

☐ Yes ☐ No Residual Process Material: ☐ Yes ☐ No Abandoned Container: ☐ Yes ☐ No

Stressed Vegetation: ☐Yes ☒No Visible Staining: ☐Yes ☒No Building Materials: ☒Yes ☐No

Describe Targeted Feature:

Pieces of roofing material, varying in sizes, approximately 1 square foot scattered on ground near shoreline of Dredge. It is assumed that the roofing material is from the Dredge structure.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

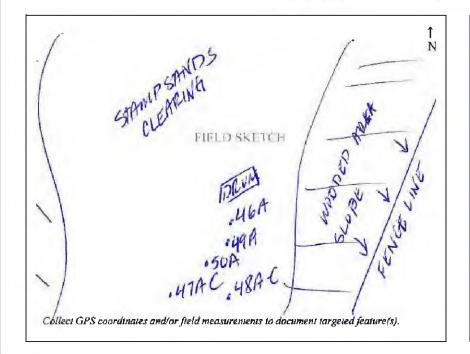
QMCM-ASBBLK45 (A-C)-052517 (metallic/black roofing) – collected at 1212

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The property is partially secured with a 'walk through' gate north and west of the Reclamation and Shore Plants nearby. A breach in the fence is also found closer to the site, making it accessible to trespassers. Material in poor condition and friable.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located along the shoreline of Torch Lake near the Dredge.





See attached Photolog.

Representative photograph of sample lacation and/or targeted feature.

Inspection Date: <u>5/25/2017</u>

Feature Identification/Name: Wooded area north of Reclamation Plant

Study Area: Quincy Mining Company Mason

Property Identification Number: <u>009-023-001-70</u>

OBSERVATIONS (Including description and sketch)

Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;

Potential Physical Hazard:

Yes

No Potential Chemical Hazard:

Yes

No

Capped Area: ⊠Yes □No Residual Process Material: □Yes ⊠No Abandoned Container: □Yes ⊠No

Stressed Vegetation: \square Yes \boxtimes No Visible Staining: \square Yes \boxtimes No Building Materials: \boxtimes Yes \square No

Describe Targeted Feature:

Area located North of Reclamation Plant, east of fence line and west of ORV trail. Area contains foundational remains and various abandoned drums in a wooded area. Suspect asbestos containing material includes gaskets, fabric tubing, woven fabric material and fabric belting scattered on the ground and partially buried.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK46 (A)-052517 (black gasket) - collected at 1236

QMCM-ASBBLK47 (A-C)-052517 (black fabric tubing) – collected at 1311

QMCM-ASBBLK48 (A-C)-052517 (gray woven fabric) – collected at 1315

QMCM-ASBBLK49 (A)-052517 (coated fabric gasket) – collected at 1316

QMCM-ASBBLK50 (A)-052517 (red/gray belting) - collected at 1318

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The property is not secured and is accessible to trespassers from the adjacent ORV trail.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located is a wooded area to the east of the ORV trail in a partially wooded area. The ground generally slopes to the east toward the fence line and capped area.

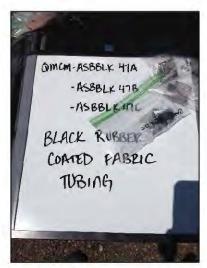


Photo 1: QMCM-ASBBLK47(A)-052517



Photo 3: QMCM-ASBBLK49(A)-052517



Photo 2: QMCM-ASBBLK48(A-C)-052517

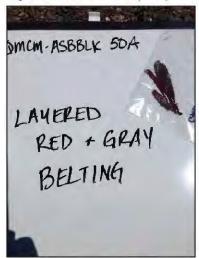
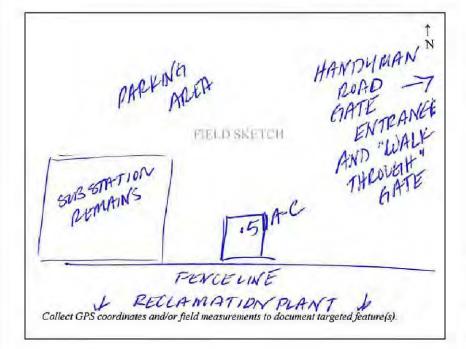


Photo 4: QMCM-ASBBLK50(A)-052517





Representative photograph of sample location and/or targeted feature.

Inspection Date: <u>5/25/2017</u> Feature Identification/Name: <u>Parking area north of Reclamation Plant</u>

Study Area: <u>Quincy Mining Company Mason</u> Property Identification Number: <u>009-023-001-70</u>

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;

Potential Physical Hazard:

Yes

No Potential Chemical Hazard:

Yes

No

Capped Area: ⊠Yes □No Residual Process Material: □Yes ⊠No Abandoned Container: □Yes ⊠No

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature:

Parking lot area located North of Reclamation Plant, accessible by Handyman Road. Board approximately 5 x 4 feet with black roofing material. Roofing is in poor condition, area is littered with trash.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

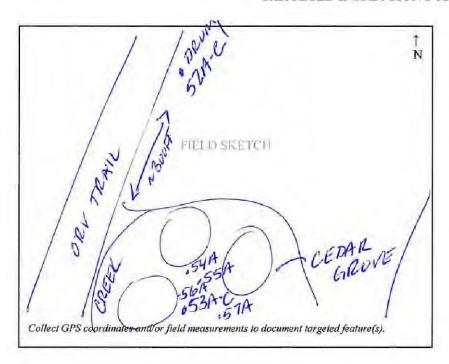
QMCM-ASBBLK51 (A-C)-052517 (asphaltic roofing) - collected at 1325

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The parking area is not secured and is accessible. The roofing material has weathered and is in poor condition.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The material is located near drainage ditches carrying water from across M-26 toward Torch Lake.





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/25/2017

Feature Identification/Name: Wooded area south of Reclamation Plant

Study Area: Quincy Mining Company Mason

Property Identification Number: <u>009-023-001-70</u>

OBSERVATIONS (Including description and sketch)

Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;

Potential Physical Hazard:

Yes

No Potential Chemical Hazard:

Yes

No

Capped Area: ☐Yes ☒No Residual Process Material: ☐Yes ☒No Abandoned Container: ☐Yes ☒No

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature:

Wooded area located south of the Reclamation Plant, east of the ORV trail and west of the fence line. A number of abandoned drums are located through the wooded area, which also includes areas of household trash and debris. Suspect asbestos containing materials located in the area include roofing and various linoleums.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK52 (A-C)-052517 (black felt paper roofing) – collected at 1332

QMCM-ASBBLK53 (A-C)-052517 (felt paper w/ silver paint) - collected at 1335

QMCM-ASBBLK54 (A)-052517 (green floral linoleum) – collected at 1337

QMCM-ASBBLK55 (A)-052517 (green patterned linoleum) - collected at 1337

QMCM-ASBBLK56 (A)-052517 (red patterned linoleum) - collected at 1337

QMCM-ASBBLK57 (A)-052517 (pink layered linoleum) – collected at 1337

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The wooded area is unsecure and may be accessible to trespassers.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located near wetlands on the west side of the fence line and various drainage ditches carrying water from across M-26 toward Torch Lake.

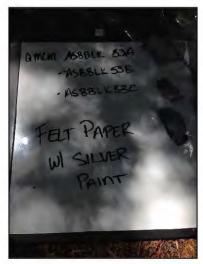


Photo 1: QMCM-ASBBLK53(A-C)-052517



Photo 3: QMCM-ASBBLK55(A)-052517



Photo 5: QMCM-ASBBLK56(A)-052517

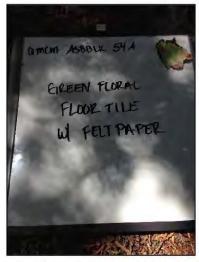


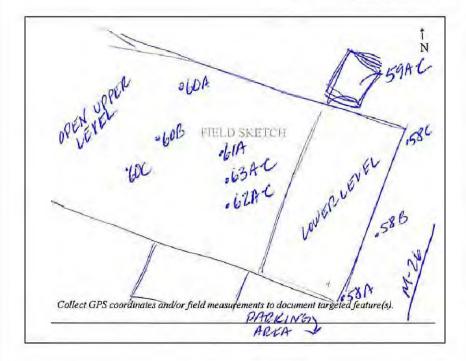
Photo 2: QMCM-ASBBLK54(A)-052517



Photo 4: QMCM-ASBBLK56(A)-052517



Photo 6: QMCM-ASBBLK57(A)-052517





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/26/2017 Feature Identification/Name: Quincy Stamp Mill No. 1

Study Area: Quincy Mining Company Mason Property Identification Number: 009-023-001-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle	the	appropriate	answer;
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Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No

Capped Area: ☐ Yes ☒ No Residual Process Material: ☐ Yes ☒ No Abandoned Container: ☐ Yes ☒ No

Stressed Vegetation:

Yes

No Visible Staining:
Yes

No Building Materials:
Yes

No

Describe Targeted Feature:

The concrete foundation and area surrounding the remaining portion of the former Stamp Mill includes debris piles and suspect asbestos containing materials. Roofing from the remaining Stamp Mill is found along M-26, roofing from another structure is found along the north side of the Stamp Mill. Suspect TSI material is observed in piles throughout the upper concrete foundation.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK58 (A-C)-052517 (black asphaltic tar roofing) – collected at 1443

QMCM-ASBBLK59 (A-C)-052517 (black roofing w/ specks) - collected at 1450

QMCM-ASBBLK60 (A-C)-052517 (dark gray/white TSI) - collected at 1500

QMCM-ASBBLK61 (A)-052517 (woven material w/yellow) - collected at 1513

QMCM-ASBBLK62 (A-C)-052517 (red/black woven fabric) - collected at 1519

QMCM-ASBBLK63 (A-C)-052517 (gray layered fabric) – collected at 1535

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The Stamp Mill area is unsecure and may be accessible to trespassers. The weathered and friable nature of the TSI material make them susceptible to wind erosion.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located on the upper portion of the Mill. Various trenches create hazards and pathways for contaminated materials to reach lower levels.

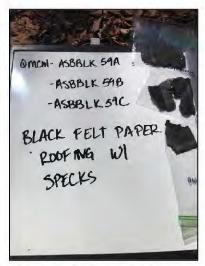


Photo 1: QMCM-ASBBLK59(A-C)-052517



Photo 3: QMCM-ASBBLK61(A)-052517



Photo 5: QMCM-ASBBLK63(A-C)-052617

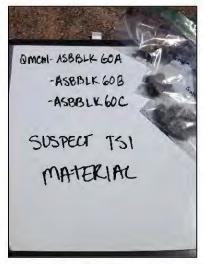


Photo 2: QMCM-ASBBLK60(A-C)-052517

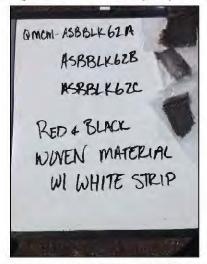
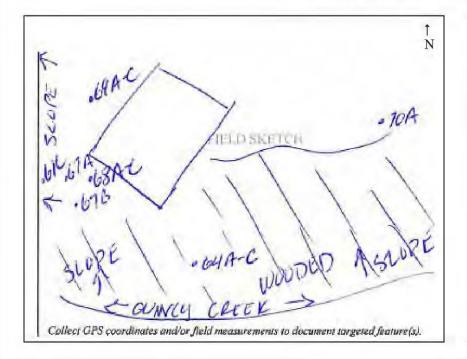


Photo 4: QMCM-ASBBLK26(A-C)-052517





See attached Photolog.

Representative photograph of sample location and/ortargeted feature.

Inspection Date: 5/25-26/2017

Feature Identification/Name: Quincy Stamp Mill No. 1 – Turbine House

Study Area: Quincy Mining Company Mason

Property Identification Number: 009-023-001-00

OBSERVATIONS (Including description and sketch)

Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;

Potential Physical Hazard:

Yes
No Potential Chemical Hazard:
Yes
No

Capped Area: ☐Yes ☒No Residual Process Material: ☐Yes ☒No Abandoned Container: ☐Yes ☒No

Stressed Vegetation: The No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature:

The partially wooded area surrounding the Quincy Turbine (Power) House includes debris and building material on the ground. Suspect asbestos containing material includes various fabrics, tubing, roofing, window glazing, sheeting and suspect TSI material found within a crumbled metal fire door.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK64 (A-C)-052517 (fire door TSI) – collected at 1540

QMCM-ASBBLK67 (A-C)-052617 (window glazing) - collected at 1413

QMCM-ASBBLK68 (A-C)-052617 (slate sheeting) – collected at 1420

QMCM-ASBBLK69 (A-C)-052617 (black fabric tubing) – collected at 1423

QMCM-ASSBLK70 (A)-052617 (white/black fabric) - collected at 1427

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The Stamp Mill area is unsecure and may be accessible to trespassers. The weathered and friable nature of the TSI material and fabric make it susceptible to wind erosion and water from overland flow.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located on the upper portion of the Turbine House area near the Quincy Creek. Various trenches create hazards and pathways for contaminated materials to reach lower levels.

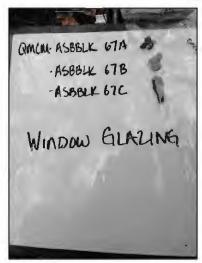


Photo 1: QMCM-ASBBLK67(A-C)-052617



Photo 3: QMCM-ASBBLK69(A-C)-052617

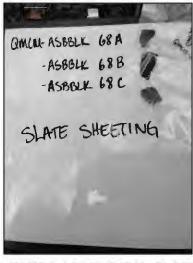
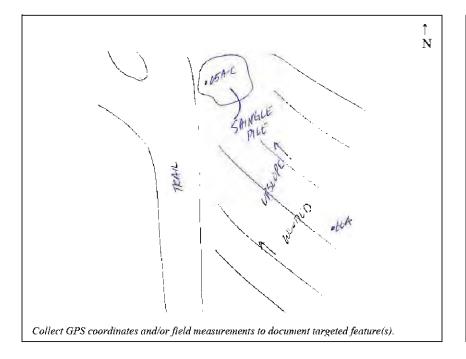


Photo 2: QMCM-ASBBLK68(A-C)-052617



Photo 4: QMCM-ASBBLK70(A)-052617



See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/25/2017 Feature Identification/Name: Quincy Stamp Mill No. 1- Wooded Area to the southwest

Study Area: <u>Quincy Mining Company Mason</u> Property Identification Number: <u>009-023-001-00</u>

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer; Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No Capped Area: ☐Yes ☒No Residual Process Material: Yes No Abandoned Container: \boxtimes No \square Yes Stressed Vegetation: Yes \boxtimes No Visible Staining: □Yes □No Building Materials: ⊠Yes \square No **Describe Targeted Feature:** The wooded area to the southwest of the concrete foundation of Stamp Mill No. 1 includes suspect asbestos containing roofing materials and weathered belting. The wooded area also includes abandoned drums and other containers. A pile of roofing material is found at the edge of the wooded area adjacent to the ORV trail, along with other household trash and debris. Sampling Activities (Sample Description, Sample Time, Requested Analyses): QMCM-ASBBLK65 (A-C)-052517 (black/gray shingles) – collected at 1546 QMCM-ASBBLK66 (A)-052517 (white belting) – collected at 1522

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The Stamp Mill area is unsecure and may be accessible to trespassers and the public using the ORV trail.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located on the upper portion of a sloped wooded area. Various trenches create hazards and pathways for contaminated materials to reach lower levels.

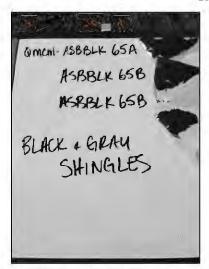


Photo 1: QMCM-ASBBLK65(A-C)-052517

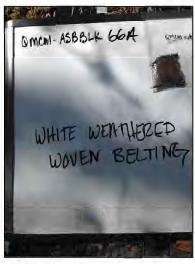
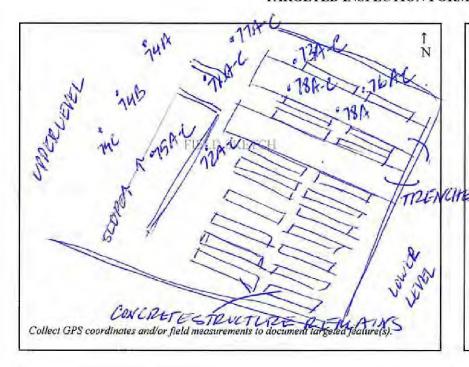
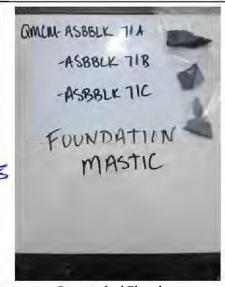


Photo 2: QMCM-ASBBLK66(A)-052517





See attached Photolog.

Representative photograph of sample location and/or surgeted feature.

Inspection Date: <u>5/26/2017</u> Feature Identification/Name: <u>Upper level Concrete Foundation - Quincy Stamp Mill No. 2</u>

Study Area: Quincy Mining Company Mason Property Identification Number: 009-023-001-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;
Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No
Capped Area: □Yes ⊠No Residual Process Material: □Yes ⊠No Abandoned Container: □Yes ⊠No
Stressed Vegetation: □Yes ⊠No Visible Staining: □Yes ⊠No Building Materials: ⊠Yes □No
Describe Targeted Feature: The concrete foundation and area surrounding the remaining portion of the former Stamp Mill includes debris piles and suspect asbestos containing materials. Suspect asbestos containing material includes mastic, felt paper, a variety of woven fabric materials and suspect thermal system insulation. Sampling Activities (Sample Description, Sample Time, Requested Analyses): QMCM-ASBBLK71 (A-C)-052617 (black foundation mastic) – collected at 1546

QMCM-ASBBLK73 (A-C)-052617 (gray woven material) - collected at 1552

QMCM-ASBBLK74 (A-C)-052617 (beige TSI) - collected at 1413

QMCM-ASBBLK75 (A-C)-052617 (black fibrous material) – collected at 1420

QMCM-ASBBLK76 (A-C)-052617 (black mesh imprint felt paper) - collected at 1423

QMCM-ASBBLK77 (A-C)-052617 (red woven fabric) - collected at 1427

QMCM-ASBBLK78 (A-C)-052617 (black woven material) - collected at 1527

QMCM-ASBBLK79(A)-052617 (black mastic w/ fabric) - collected at 1528

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The Stamp Mill area is unsecure and may be accessible to trespassers. The weathered and friable nature of the TSI material and felt paper make it susceptible to wind erosion and water from overland flow.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located on the upper portion of the Stamp Mill foundation. Various trenches create hazards and pathways for contaminated materials to reach lower levels. Drainage channels for overland flow are found running to the east.

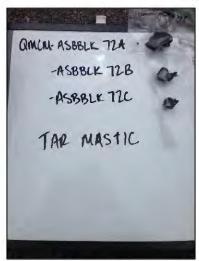


Photo 1: QMCM-ASBBLK72(A-C)-052617

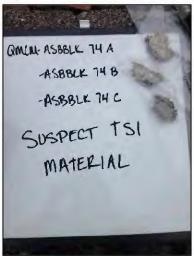


Photo 3: QMCM-ASBBLK74(A-C)-052617



Photo 5: QMCM-ASBBLK76(A-C)-052617

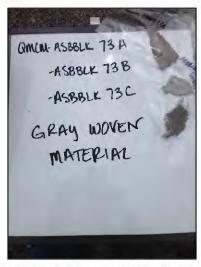


Photo 2: QMCM-ASBBLK73(A-C)-052617

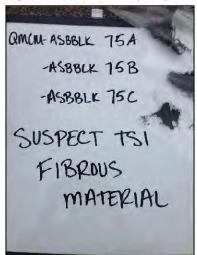
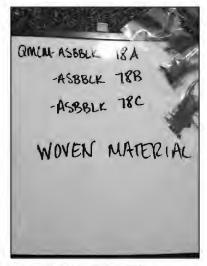
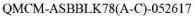


Photo 4: QMCM-ASBBLK75(A-C)-052617



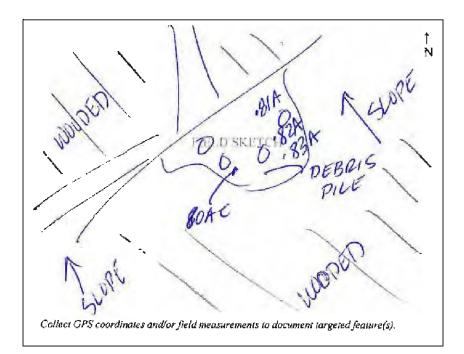
Photo 6: QMCM-ASBBLK77(A-C)-052617

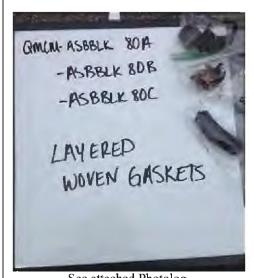






QMCM-ASBBLK79(A)-052617





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: 5/26/2017 Feature Identification/Name: Wooded hillside north of Quincy Stamp Mill No. 2

Study Area: <u>Quincy Mining Company Mason</u> Property Identification Number: <u>009-023-001-00</u>

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle the appropriate answer;					
Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No					
Capped Area: □Yes ⊠No Residual Process Material: □Yes ⊠No Abandoned Container: □Yes ⊠No					
Stressed Vegetation: \Box Yes \boxtimes No Visible Staining: \Box Yes \boxtimes No Building Materials: \boxtimes Yes \Box No					
Describe Targeted Feetures					

Describe Targeted Feature:

The hillside north of the concrete foundation of Stamp Mill No. 2 is the location of suspect asbestos containing material that includes layered gaskets, woven fabrics and felt paper. The 15 ft diameter debris pile includes RPM material.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK80 (A-C)-052617 (layered gaskets) – collected at 1542

QMCM-ASBBLK81 (A)-052617 (gray woven fabric) – collected at 1543

QMCM-ASBBLK82 (A)-052617 (gray/brown woven fabric) - collected at 1544

QMCM-ASBBLK83 (A)-052617 (gray coated felt paper) – collected at 1545

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The wooded area is unsecure and may be accessible to trespassers. Felt paper material and gaskets may become friable.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located on a wooded hillside north of the Stamp Mill foundation. Drainage channels for overland flow are found as the ground surface slopes to the east.



Photo 1: QMCM-ASBBLK81(A)-052617

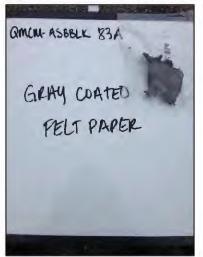


Photo 3: QMCM-ASBBLK83(A)-052617

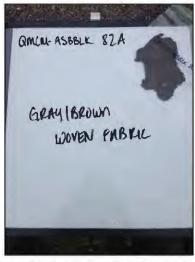
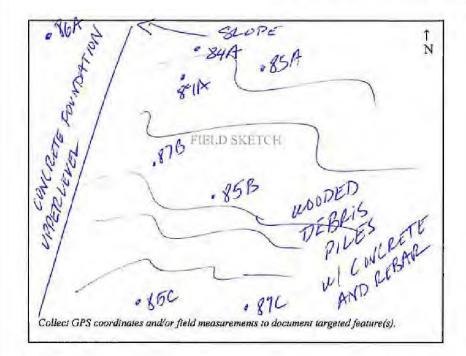


Photo 2: QMCM-ASBBLK82(A)-052617





See attached Photolog.

Representative photograph of sample location and/or targeted feature.

Inspection Date: <u>5/26/2017</u> Feature Identification/Name: Quincy Stamp Mill No. 2 - Lower level

Study Area: Quincy Mining Company Mason Property Identification Number: <u>009-023-001-00</u>

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A. Miller/J. Chrestensen

Circle t	he appi	ropriate	answer;
----------	---------	----------	---------

Potential Physical Hazard:

Yes

No Potential Chemical Hazard:

Yes

No

Capped Area: ☐Yes ☒No Residual Process Material: ☐Yes ☒No Abandoned Container: ☐Yes ☒No

Stressed Vegetation: □Yes ⋈No Visible Staining: □Yes ⋈No Building Materials: ⋈Yes □No

Describe Targeted Feature:

The lower level of the Stamp Mill foundation is littered with large debris piles that include fire bricks and roofing, as well as rebar and concrete debris. Suspect asbestos containing material includes various roofing and fire bricks.

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM-ASBBLK84 (A)-052617 (felt paper roofing) - collected at 1557

QMCM-ASBBLK85 (A-C)-052617 (light yellow fire bricks) – collected at 1558

QMCM-ASBBLK86 (A)-052617 (metallic roofing) – collected at 1559

QMCM-ASBBLK87 (A-C)-052617 (tar pebble felt paper roofing) – collected at 1600

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

The area is unsecure and may be accessible to trespassers.

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

The materials are located on the lower lever of the Stamp Mill foundation. Drainage channels for overland flow are found as the ground surface slopes to the east.



Photo 1: QMCM-ASBBLK85(A-C)-052617

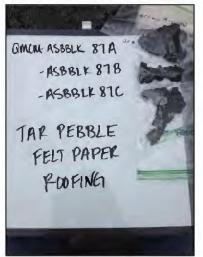
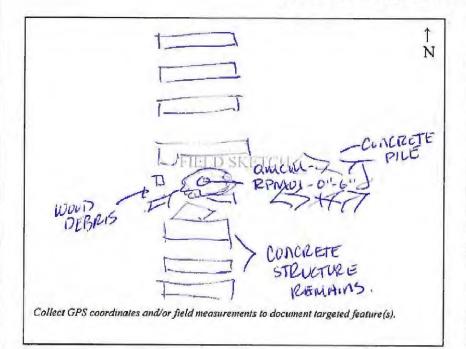


Photo 3: QMCM-ASBBLK87(A-C)-052617



Photo 2: QMCM-ASBBLK86(A)-052617





Representative photograph of sample location and/or targeted feature.

Inspection Date: 65 10 11 Feature Identification/Name QMCM-CRM D1-D'-b"

Study Area: QUINCY STAM & WILL NO. U Property Identification Number: 009-023-001-00

OBSERVATIONS (Including description and sketch) Inspector/Sampler: A-MILLER M. PRIBE

Circle the appropriate answer;

Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No

Capped Area: Yes No Residual Process Material: Yes No Abandoned Container: Yes No

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature:

APPROXIMATELY SFT DIAMETER PILE OF GRAY SOIL MATERIAL, SANDSFINES WITH FINER SILLY MATERIAL, PILE INCULTES

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

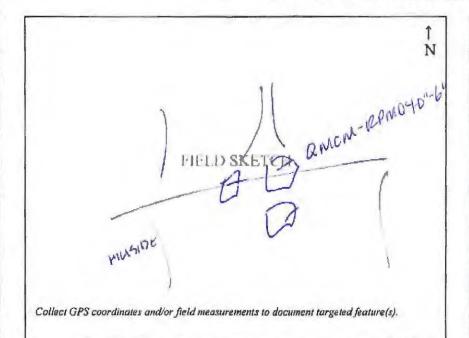
amen- RPM01-0"-6", Collabel 05/16/17 @ 0904

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIALD ARE LOCATED IN DILE AT LOCATE ACCESSIBLE TO MISLIC | TRESSPASSERS

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

MAN BE SUBJECT TO EROSION

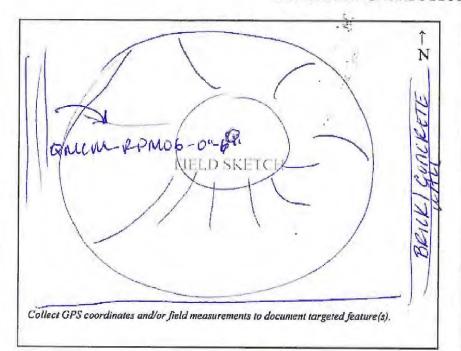


FORCES.



Representative photograph of sample location and/or targeted feature.

Inspection Date: 05/16/17 Feature Identification/Name QWCW - CfWDW - 0"-6" Study Area: UVINCH STANIPWILL NO Property Identification Number: 009-023-001-00 OBSERVATIONS (Including description and sketch) Inspector/Sampler: AMILLEL / M. PLIBE Circle the appropriate answer; Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No Residual Process Material: 18 No Abandoned Container: Yes No Capped Area: Yes (No Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No Describe Targeted Feature: BLACK RIM - TAR-LIKE - FIBROVS MATERIAL IN PILE APPROXIMATELY METAL DEBILIS NERBY Sampling Activities (Sample Description, Sample Time, Requested Analyses): BLACK TAR-LIKE MATBRIAL WITH STRING FIBERS MIXED THROUGHOUT QMCM-RPMOH-D"-6" COLLECTED OSILLIA @ 0937 Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact): MATERIAL IS SITUATED ON HILLSIDE AWAY FROM POTENTIAL TOURIST/VISITORS/TRESPASSERS Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts): DEBRIS SCATTERED IN AREA- METAL PIECES NEARBY. MATERIAL IS SITUATED ON HILLSIDE, POTENTIALLY EXPOSED TO ERUSIONAL





Representative photograph of sample location and/or targeted feature.

Yes No

Inspection Date: 05/16/1 Feature Identification/Name QUCM-RPW06-0"-6"

Study Area: DVINCY STAMP MILL NO. | Property Identification Number: 009 - 023 - 001 - 20

OBSERVATIONS (Including description and sketch)

Inspector/Sampler: AMILLEL M. PRIBE

Circle the appropriate answer;

Potential Physical Hazard: Yes No

Potential Chemical Hazard: Yes No

Capped Area: Yes No

Residual Process Material: Yes No Abandoned Container:

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature:

MATERIAL IS BROWN, CLAY-LIKE. FORMS MITTEN PRESSURE IS APPLIED, IS COHESIVE AND WET

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

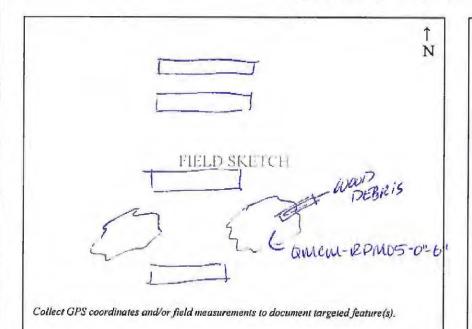
QMCM-12PM06-101-6"

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIAL IS LOCATED IN ARTH WHERE TRESPASSERS MAN ACLESS, UNSECURED PROPERTY

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

MATERIAL IS FOUND BENEATH RUTED METAL ROOFING IN CIRCULAR WOUDED STRUCTURE IN MINERAL THICKENER





Representative photograph of sample location and/or targeted feature.

YELLOW LORANGE COLORED RUBBERY MATERIAL THAT HAS BEEN HARDED SMALL PIECES SITUATED IN TWO PILES AND SCATTETLED NEARRY CILID-LIKE IMPRINT ON ONE SIDE Sampling Activities (Sample Description, Sample Time, Requested Analyses):

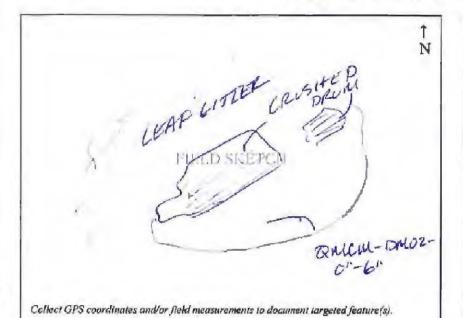
QMCM- RPM05-0"-6" COLLECTED 05/16/17 @ 0917

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIAL IS LOCATED IN PILE IN AREA WHERE PUBLICIVISITORS HAVE BEEN. PROPERTY IS NOT SECURED AND ACCESSIBLE TO TRESSPASSERS

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

AND MAUBE SUBJECT TO ECUSIOAAL FORCES





Representative photograph of sample location and/or targeted feature.

Inspection Date: Q5/17/17 Feature Identification/Name QWCW-DM02-0"-6" Study Area: QUINCU MINING -COAL DOCK Property Identification Number: 009-023-001-00 OBSERVATIONS (Including description and sketch) Inspector/Sampler: AMLLER Circle the appropriate answer; Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No Capped Area: Yes No Residual Process Material: Yes No Abandoned Container: Yes No Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature:

MATERIAL IS MED-TO COARSE GRAINED TAN GRANULAR SUBSTAINCE NEARBY TO CRUSHED DRUM AND LOCATED IN Sampling Activities (Sample Description, Sample Time, Requested Analyses):

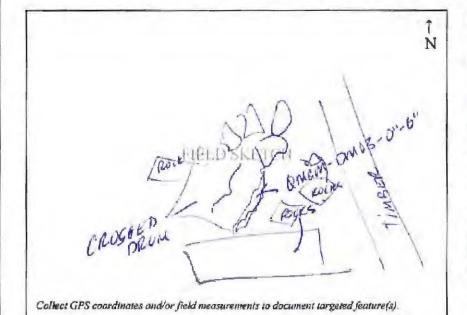
QUICH-DUOZ-0"-6" CULECTED @ 1650 05/17/17

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DRUM IS LOCATED DIV PROPERTY THAT IS SECRED WITH ENATED FENCES. TRESSPASSERS MAN HAVE ACCESS, VISUALE SIGNS OF TRESSPASSING INCLIDENT CHRAPPITI NEARBY

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

AREA 15 IN A CLEARING SOUTHERST OF A GIRADE BIRCH THES NERRORM. DOTENTIAL FOR ERUSION





Representative photograph of sample location and/or targeted feature.

Inspection Date: 15 1717 Feature Identification/Name QWCW-DW03-0"6"

Study Area: QWACN WINING - WAL DOOK Property Identification Number: 609-023-001-

OBSERVATIONS (Including description and sketch) Inspector/Sampler: AMIWER

Circle the appropriate answer;

Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No

Residual Process Material: Capped Area: Yes No Abandoned Container: Yes No

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature: MATERIAL IS WHITE | HELLOW IBEIGHT WHAT COLOR AND IS SITUATED WITHIN PARTIALLY CRUSITED DRUM, MATERIAL IS IN SMALL HARDENED PIECES, BUT ARE ABLE TO BE FORMED WITH MINIMAL PRESSURE
Sampling Activities (Sample Description, Sample Time, Requested Analyses):

WASTE CHARACTERIZATON

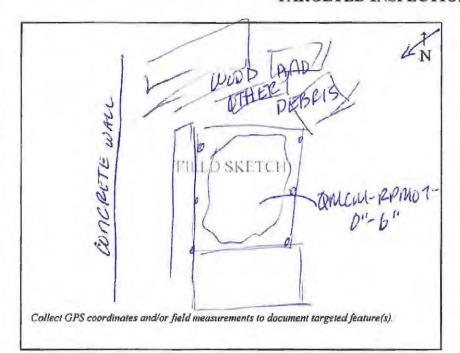
avnem- DM03-0"-6" collected 05/17/17 @ 1630

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

DRUM IS LOCATED ON PROPERY THAT IS SECURED WITH A GATED PENCE, BUT TRESSPASSERS MHAVE ACCESS, VISIBLE SIGNS OF TRESSPASSING NEARBY INCLUDING GRAFFITI

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

ARETH DENTAINS LARGE BULLDERS, TIMBER DEBRIS NEAR AN OBVIOUS TRAIL NOTER COAL BIN SILOS, MATERIAL IS MOSTLY CONTAINED WITHIN DRUM





Representative photograph of sample location and/or targeted feature.

Inspection Date: 05 17 1 Feature Identification/Name QUICM - RPM07-0"-6"

Study Area: RECLAMATION PLANT AREA Property Identification Number:

OBSERVATIONS (Including description and sketch) Inspector/Sampler: AMULER

Circle the appropriate answer;

Potential Physical Hazard: Yes Potential Chemical Hazard: Yes No

Capped Area: Yes No Residual Process Material: Tes No Abandoned Container: Yes No

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes

Describe Targeted Feature:

MATERIAL IS BROWN GRAY IN COLDE-SAND-FINE GRANED WITH HARDED APPEARANCE ON "TOP" OF MATERIAL

Sampling Activities (Sample Description, Sample Time, Requested Analyses):

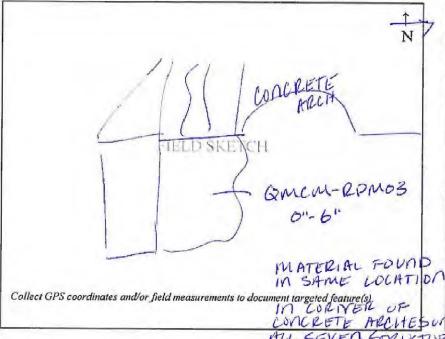
QMCM-RPM07-0"-6" WLLECTED @ 1212 05/17/17

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIAL IS LOCATED WITHIN GATED FENCED AREA POTENTIAL FOR TRESPASSERS

Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

MATERIAL IS LOCATED ON CONCRETE SLAB APPROX. 5'x12'
AND IS NEAR EDGE OF SHORE PLANT POND





Representative photograph of sample location and/or targeted feature.

ALL SEVEN STRUCTURES

Inspection Date: 05 117117 Feature Identification/Name QUICM-RPM83-0"-6" Study Area: bvincy RECLAMATION PLANT Property Identification Number: OBSERVATIONS (Including description and sketch)

Inspector/Sampler: AMILLER MPRIBE

Circle the appropriate answer;

Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No

Capped Area: Yes No Residual Process Material: Yes No Abandoned Container: Yes No

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No ON CONCRETE

Describe Targeted Feature:

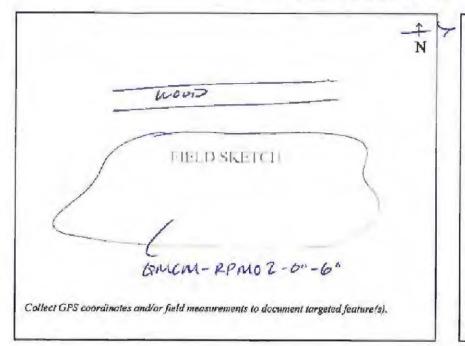
MATERIAL IS CRUSTED AND HARDENED, BLACK, BROWN IN APPEARANCE LOCATED ON CONCRETE FLOOR, UNDER HARDED LAUER, MATERIAL IS BLACK AND YERY VISCID, SHINN Sampling Activities (Sample Description, Sample Time, Requested Analyses):

QMCM- RPM03-6"-6" COLLETED @ 1630- 1127 on 05/17/17

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

AREA IS SECURED BY LOCKED GATED FENCE, HOWEVER IS ACCESSIBLE BY FOUT BY TRESS PASSERS - EVIDENCE OF TRESOPASSERS INCLLDEAIR SOFT PELLETS SCATEERED NEAR BY Other Relevant Below and Above Ground Features (Conduit, Drainage Swales, Culverts):

MATERIAL APPEARS TO BE POOLED WITH THE GOLDEN OF





Representative photograph of sample location and/or targeted feature.

Inspection Date: C5 | 17 | 7 Feature Identification/Name QUALUM-Y-PMDZ-C"-6'

Study Area: QVINCU RECLAMATION PLAY MT Property Identification Number:

OBSERVATIONS (Including description and sketch) Inspector/Sampler: AMILLER MPRIBE

Circle the appropriate answer;

Potential Physical Hazard: Yes No Potential Chemical Hazard: Yes No
Capped Area: Yes No Residual Process Material: Yes No Abandoned Container: Yes (No)

Stressed Vegetation: Yes No Visible Staining: Yes No Building Materials: Yes No

Describe Targeted Feature:

MATERIAL IS BROWN MED ENAMED WITH CIRAVEL PIECES, LOCATED

OTHER Activities (Sample Description, Sample Time, Requested Analyses):

CMUM - LPMOZ - O"-6"

Potential Exposure Pathways (Ingestion, Inhalation, Direct Contact):

MATERIAL IS LOCATED IN AREA WHERE EVIDENCE OF TRESPASSE (2) IS FOUND. PLOPERTY IS SECURED WITH CHATED FOUND FOUND FOUND FOR PLOPERTY IS SECURED WITH CHATED FOUND FOUND FOUND FOUND FOR PLOPERTY IS SECURED WITH CHATED FOUND FOUND

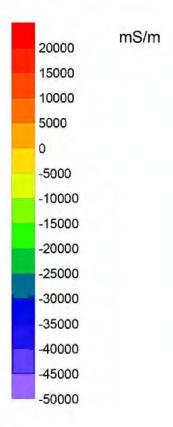
MAY BE AFFECTED BY EROSION ACRES CONCRETE

FLOVE

APPENDIX F GEOPHYSICAL SURVEY MAPS



LEGEND



- DATUM NAD83
 PROJECTION: MICHIGAN GEOREF
 NORTHING AND EASTING COORDINATES (IN METERS)
 ARE IN CORNERS OF MAP

AERIAL PHOTO SOURCE: MI CENTER FOR SHARED SOLUTIONS AERIAL PHOTO DATE: 2010 AERIAL RESOLUTION: 1 foot Natural Color

0 2.5 5 10 Meters

0 5 10 20 Feet HHHHH

1 inch = 35 feet



Quincy Mining Company Mason Quincy Stamp Mills

Mason, Houghton County

ELECTRO-MAGNETIC SURVEY MAP 1000 hz conductivity

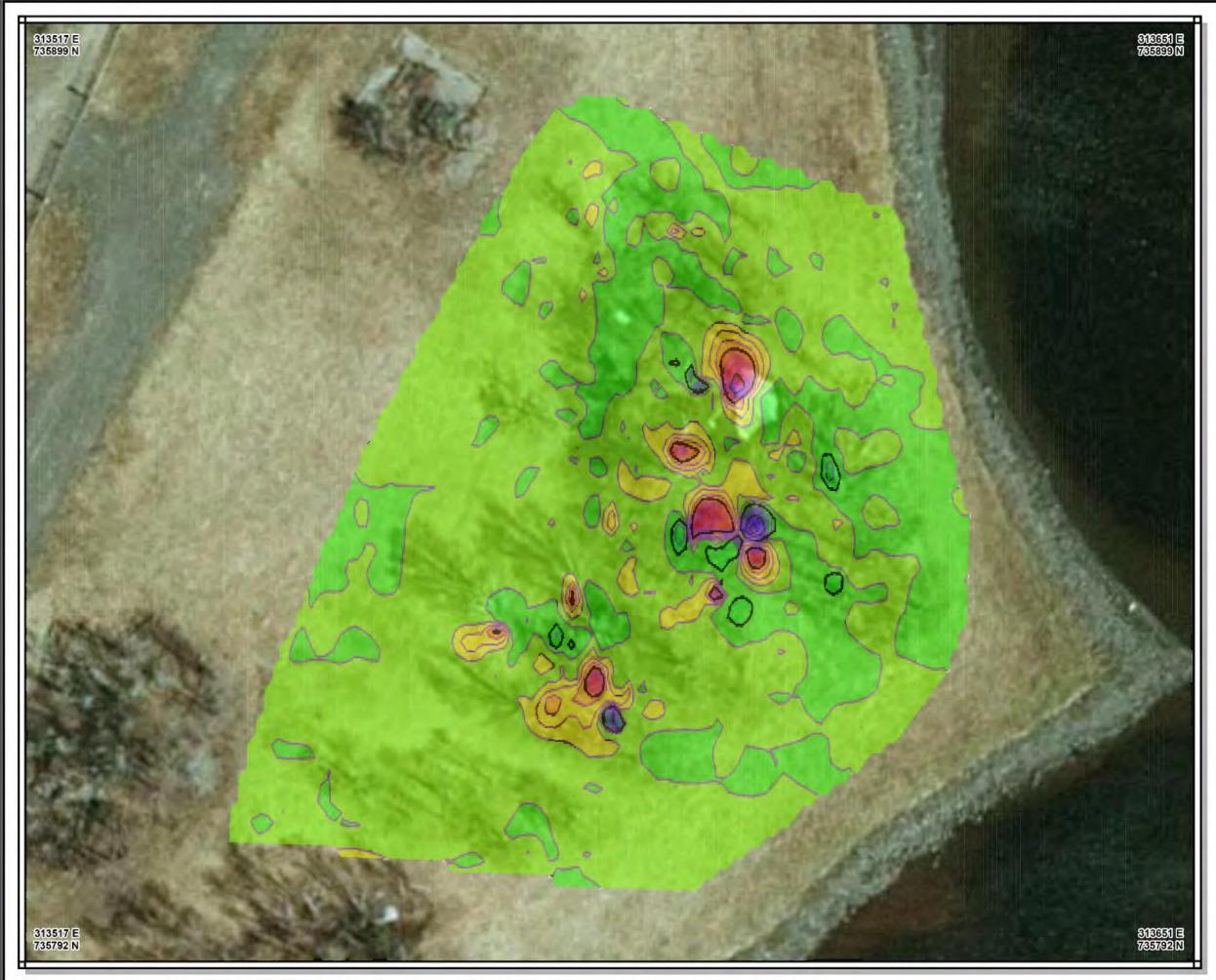
GEOLOGIST Jeff Pincumbe Geological Services Unit

Division

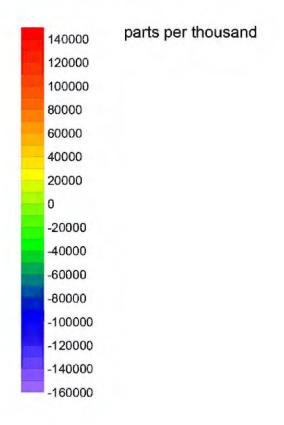
CREATION DATE May 2017

FIGURE 1

Remediation and Redevelopment



LEGEND



- DATUM NAD83
 PROJECTION: MICHIGAN GEOREF
 NORTHING AND EASTING COORDINATES (IN METERS)
 ARE IN CORNERS OF MAP

AERIAL PHOTO SOURCE: MI CENTER FOR SHARED SOLUTIONS AERIAL PHOTO DATE: 2010 AERIAL RESOLUTION: 1 foot Natural Color

0 2.5 5 10 Meters

0 5 10 20 Feet HHHHH

1 inch = 35 feet



Quincy Mining Company Mason Quincy Stamp Mills

Mason, Houghton County

ELECTRO-MAGNETIC SURVEY MAP 1000 hz in-phase

GEOLOGIST Jeff Pincumbe Geological Services Unit

Remediation and Redevelopment

Division

CREATION DATE May 2017

FIGURE 2

APPENDIX G PHOTOGRAPHIC LOG



Photo 1: View looking north to a portion of Quincy Mining Company Mason (QMCM) historic ruins. Photo taken on 4/25/2017.



Photo 3: Suspect asbestos containing building material (ACBM) documented at QMCM during reconnaissance activities. Photo taken 4/24/2017.



Photo 5: Surface soil sampling location SS15. Photo taken on 5/16/2017.



Photo 2: View looking south to portions of QMCM. Photo taken 4/21/2017.

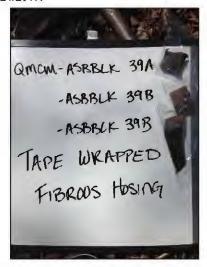


Photo 4: Documentation of suspect ACBM sampling activities. Photo taken 5/25/2017.



Photo 6: Residual Processing Material (RPM) sampled as QMCM-RPM05-0"-6". Photo taken on 5/16/2017.

Tel: 906.281.3404



Photo 7: Drum material observed during reconnaissance and sampled as QMCM-DM02-0"-6". Photo taken on 5/17/2017.

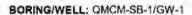


Photo 9: Soil boring drilling and sampling at QMCM. Photo taken 6/8/2017.



Photo 8: Barge used for in lake sampling activities, view looking west to Shore Plant. Photo taken on 6/9/2017.

APPENDIX H BORING LOGS





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-17-17

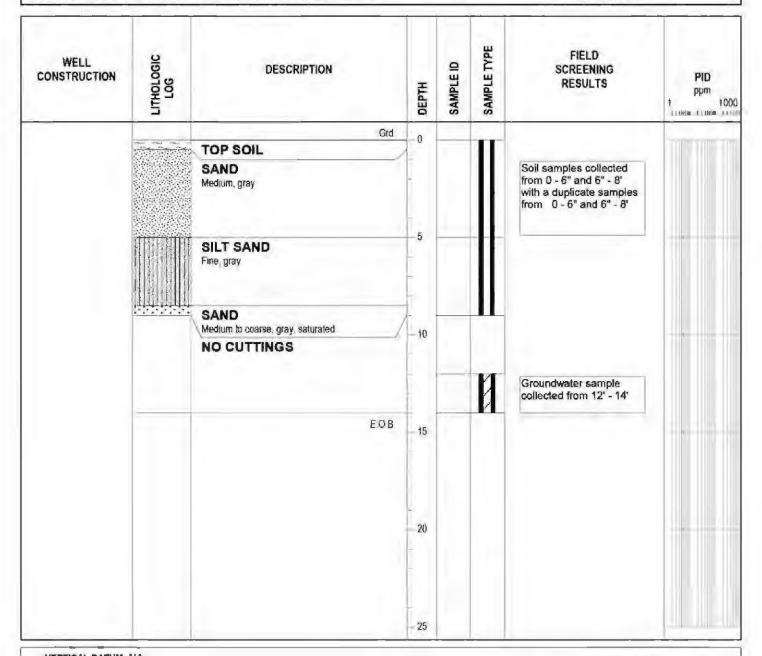
DRILLER: Scott Densteadt **GEOLOGIST: Jeff Pincumbe**

DRILL METHOD: Geoprobe

TOTAL DEPTH: 14 feet

LOCATION DESCRIPTION: Center of dump area NE of Boiler House #2

ERNIE#: 31000098



VERTICAL DATUM: NA GRD, ELEVATION: NA

> T.O.C.: NA S.W.L.; NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.148378556

LONGITUDE: -88.456735479

DATUM: MichGeoRef

NORTHING: 735852,378

EASTING: 313594.781





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-17-17

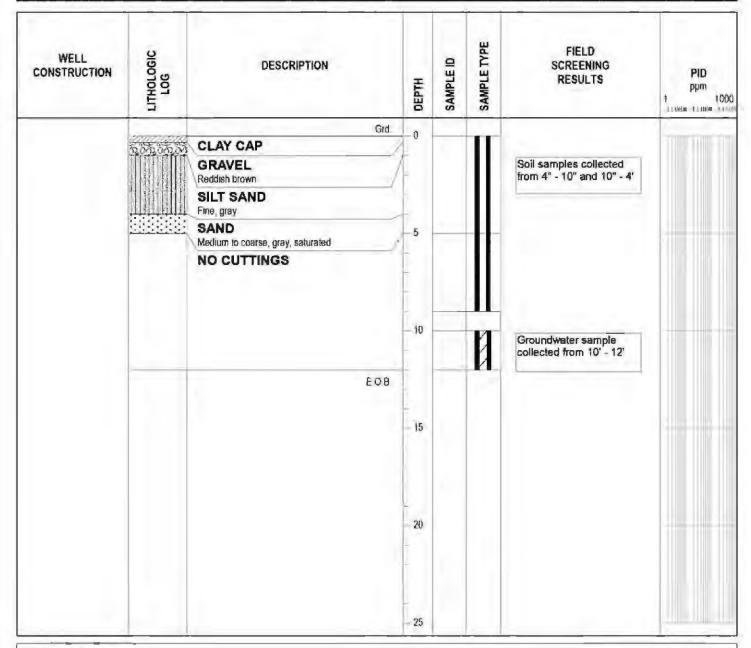
DRILLER: Scott Densteadt GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 12 feet

LOCATION DESCRIPTION: East sde of dump area NE of Boiler House #2

ERNIE#: 31000098



VERTICAL DATUM: NA GRD. ELEVATION: NA

> T.O.C.: NA S.W.L.: NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.148230264

LONGITUDE: -88.456400457

DATUM: MichGeoRef

NORTHING: 735835.111

EASTING: 313619.656



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-17-17

DRILLER: Scott Densteadt

GEOLOGIST: Jeff Pincumbe

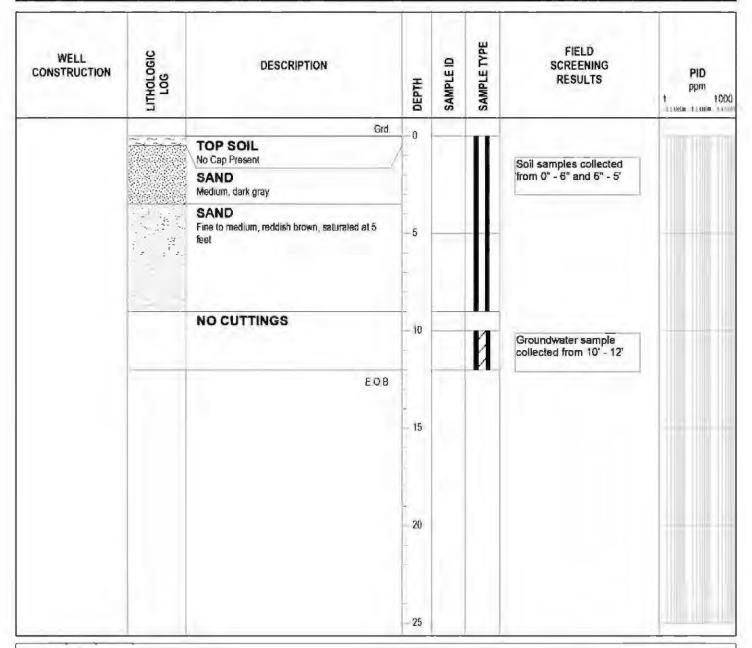
DRILL METHOD: Geoprobe

TOTAL DEPTH: 12 feet

LOCATION DESCRIPTION: Southwest sde of dump area NE of Boiler House #2

ERNIE#: 31000098

BORING/WELL: QMCM-SB-3/GW-3



VERTICAL DATUM: NA

GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA

SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

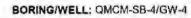
LATITUDE: 47.148111678

LONGITUDE: -88,456962229

DATUM: MichGeoRef

NORTHING: 735823,269

EASTING: 313576.670





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-17-17

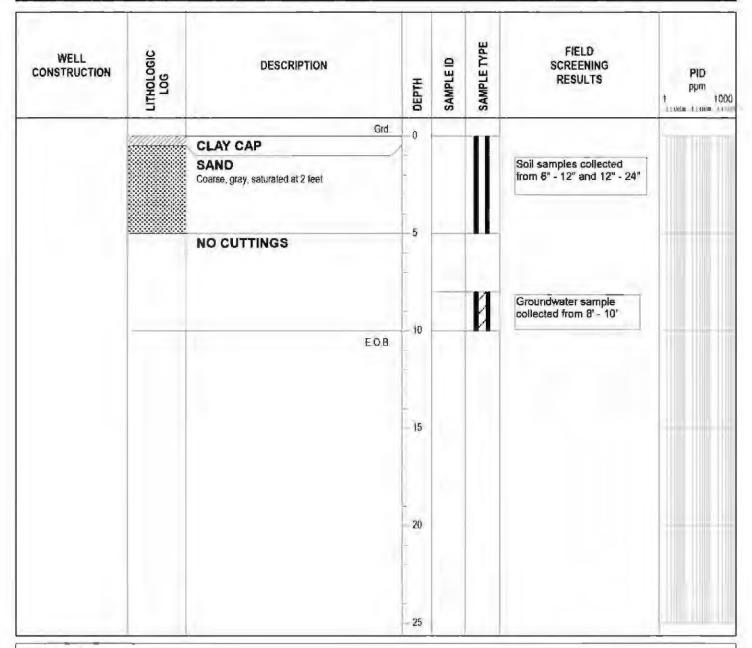
DRILLER: Scott Densteadt

GEOLOGIST: Jeff Pincumbe **DRILL METHOD:** Geoprobe

TOTAL DEPTH: 10 feet

LOCATION DESCRIPTION: South side of dump area NE of Boiler House #2

ERNIE#: 31000098



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.148110286

LONGITUDE: -88.456710046

DATUM: MichGeoRef

NORTHING: 735822.517

EASTING: 313595.777





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

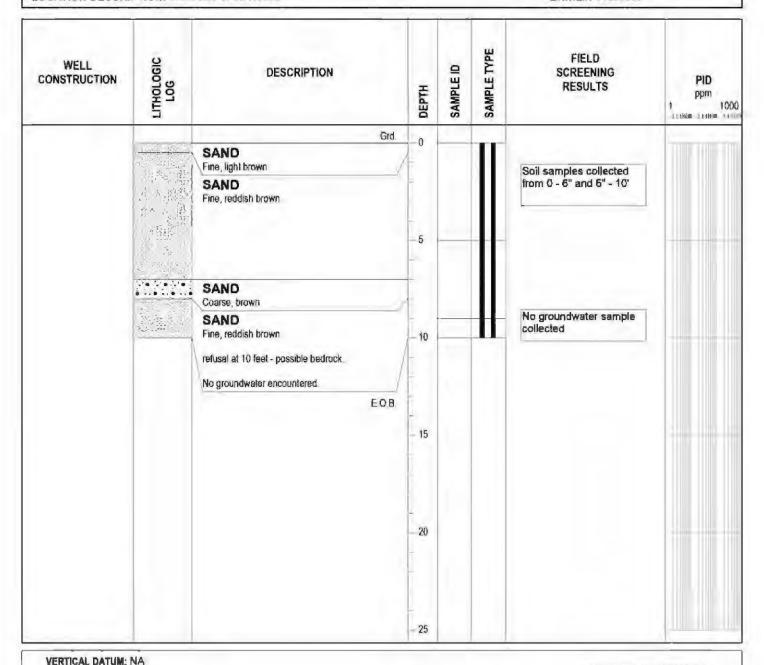
DATE: 5-16-17

DRILLER: Scott Densteadt GEOLOGIST: Jeff Pincumbe **DRILL METHOD:** Geoprobe

TOTAL DEPTH: 10 feet

LOCATION DESCRIPTION: West side of Oil House

ERNIE#: 31000098



GRD. ELEVATION: NA T.O.C.: NA S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.147755980

LONGITUDE: -88,459567911

DATUM: MichGeoRef

NORTHING: 735789.936

EASTING: 313377-956



COUNTY: Houghton
TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-16-17

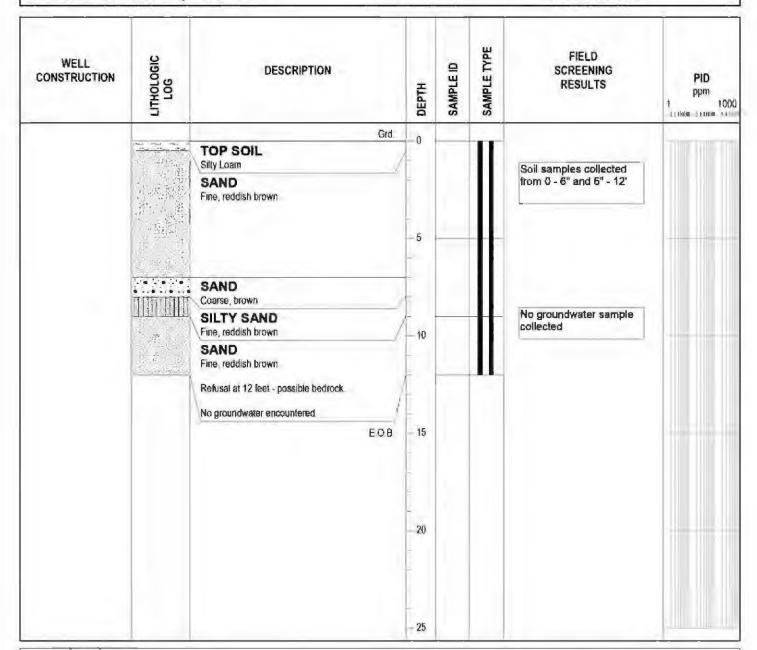
DRILLER: Scott Densteadt
GEOLOGIST: Jeff Pincumbe
DRILL METHOD: Geoprobe

TOTAL DEPTH: 12 feet

LOCATION DESCRIPTION: Edge of Oil House

ERNIE#: 31000098

BORING/WELL: QMCM-SB-6/GW-6



VERTICAL DATUM: NA GRD. ELEVATION: NA T.O.C.: NA

> S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.147703326

LONGITUDE: -88.459403564

DATUM: MichGeoRef

NORTHING: 735783,697

EASTING: 313390,230



COUNTY: Houghton
TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-16-17

DRILLER: Jeff Pincumbe

GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Hand Auger

TOTAL DEPTH: 4 feet

LOCATION DESCRIPTION: Edge of Oil House

ERNIE#: 31000098

BORING/WELL: QMCM-SB-7/GW-7

WELL CONSTRUCTION	LITHOLOGIC LOG	DESCRIPTION	ОЕРТН	SAMPLEID	SAMPLE TYPE	FIELD SCREENING RESULTS	PID ppm 1 1000
		Grd TOP SOIL Silty Loam SAND Fine, reddish brown Refusal at 4 feet - possible bedrock No groundwater encountered	- - - - 5			Soil samples collected from 0 - 6" and 6" - 4" No groundwater sample collected	
			— 10				
			15				1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			20				
			- 25				

VERTIGAL DATUM: NA

GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA

SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.147645460

LONGITUDE: -88.459222450

DATUM: MichGeoRef

NORTHING: 735776.839

EASTING: 313403.755





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

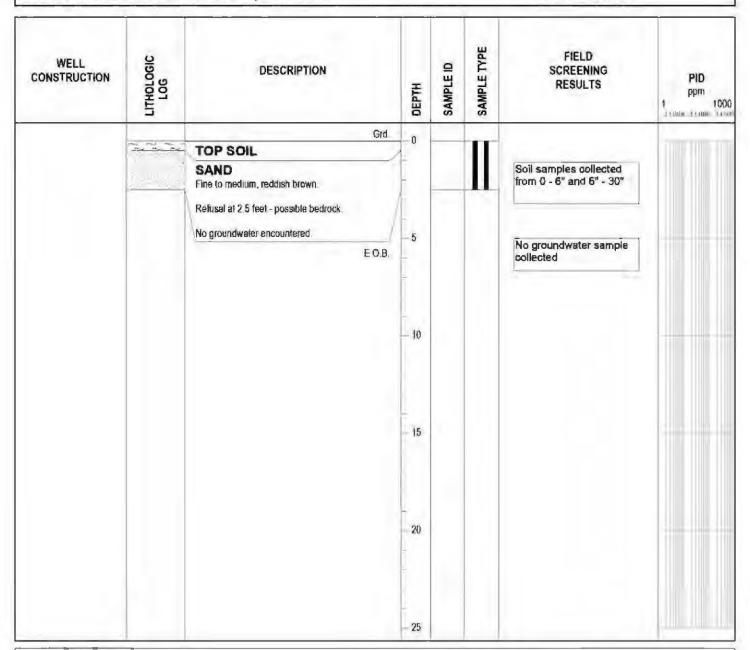
DATE: 5-16-17

DRILLER: Scott Densteadt GEOLOGIST: Jeff Pincumbe **DRILL METHOD:** Geoprobe

TOTAL DEPTH: 2.5 feet

LOCATION DESCRIPTION: North side of Quincy Turbine House

ERNIE#: 31000098



VERTICAL DATUM: NA

GRD. ELEVATION: NA

T.O.C.: NA S.W.L.: NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.147718679

LONGITUDE: -88.460152907

DATUM: MichGeoRef

NORTHING: 735787.181

EASTING: 313333.494



COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-20-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

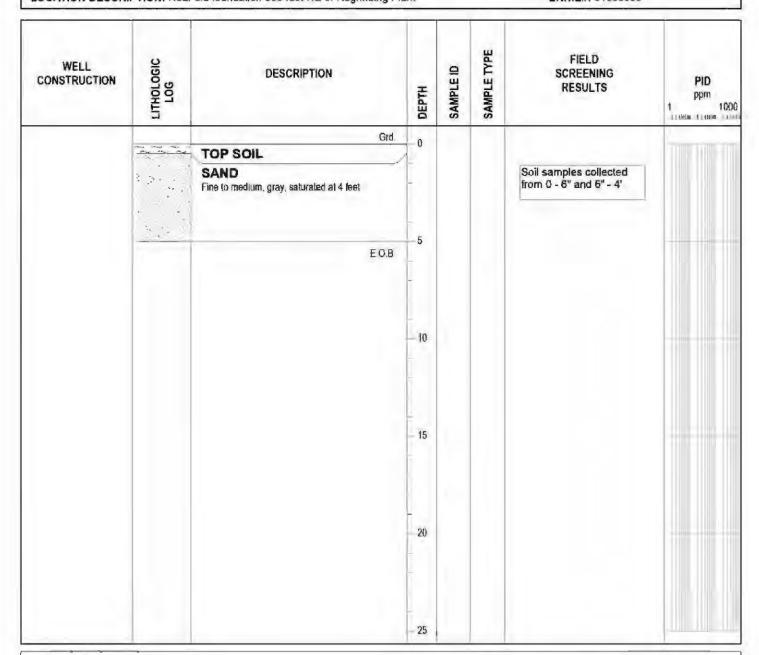
DRILL METHOD: Hand Auger

TOTAL DEPTH: 5 feet

LOCATION DESCRIPTION: Near old foundation 500 feet NE of Regrinding Plant

ERNIE#: 31000098

BORING/WELL: QMCM-SB-9



VERTICAL DATUM: NA

GRD. ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA

SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.141995620

LONGITUDE: -88.463276430

DATUM: MichGeoRef

NORTHING: 735158.847

EASTING: 313076.836



COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-20-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

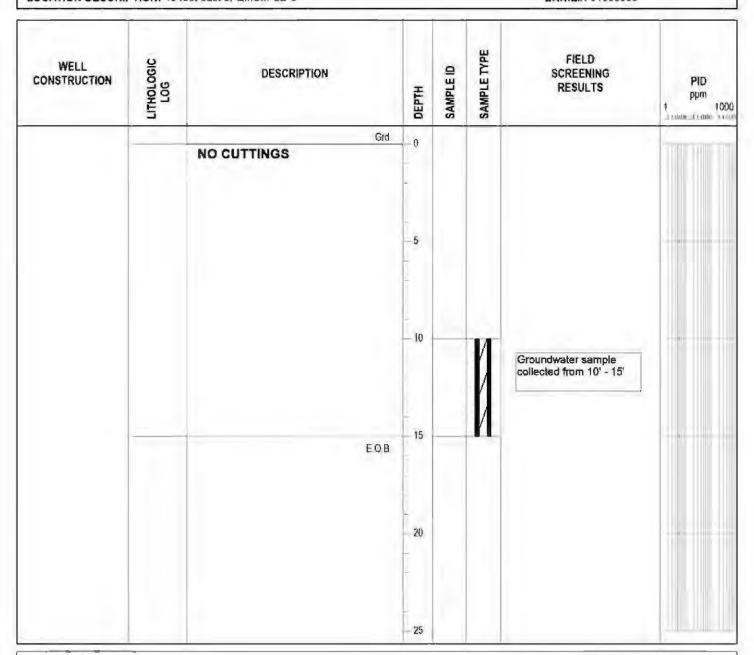
DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: 45 feet east of QMCM-SB-9

ERNIE#: 31000098

BORING/WELL: QMCM-GW-9



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA

1.0.G.: NA 8.W.L.; NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.141906679

LONGITUDE: -88.463075796

DATUM: MichGeoRef

NORTHING: 735148,490

EASTING; 313091.733





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-16-17

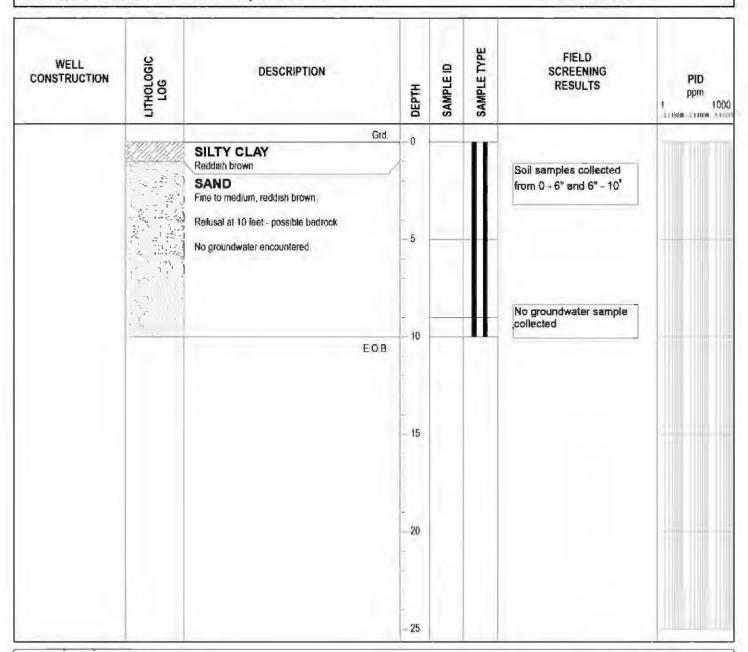
DRILLER: Scott Densteadt GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 10 feet

LOCATION DESCRIPTION: East side of Quincy Turbine House

ERNIE#: 31000098



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA S.W.L.; NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.147558531

LONGITUDE: -88,460112401

DATUM: MichGeoRef

NORTHING: 735769.295 EASTING: 313336.006





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

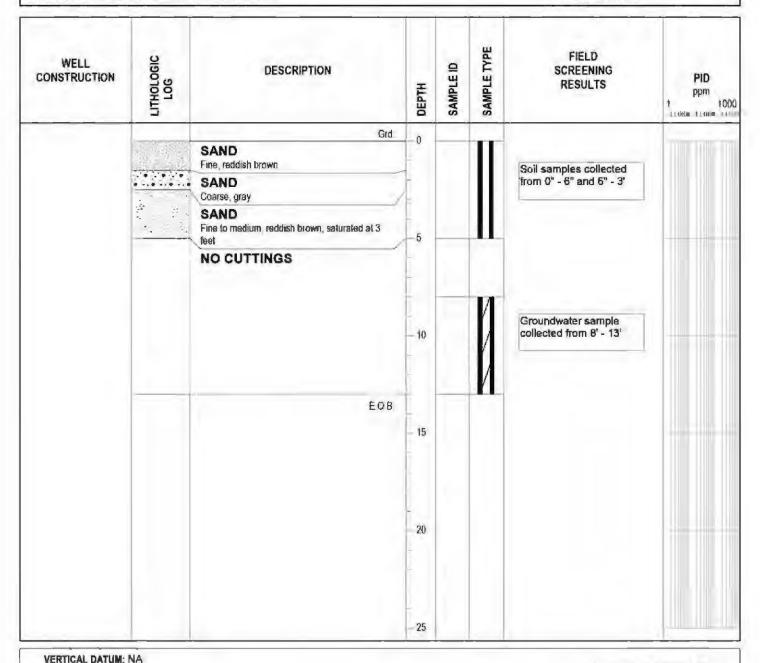
DATE: 5-17-17

DRILLER: Scott Densteadt GEOLOGIST: Jeff Pincumbe DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of coal shed

ERNIE#: 31000098



GRD. ELEVATION: NA T.O.C.: NA S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.146995482

LONGITUDE: -88.457394784

DATUM: MichGeoRef

NORTHING: 735700.301

EASTING: 313540.009





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

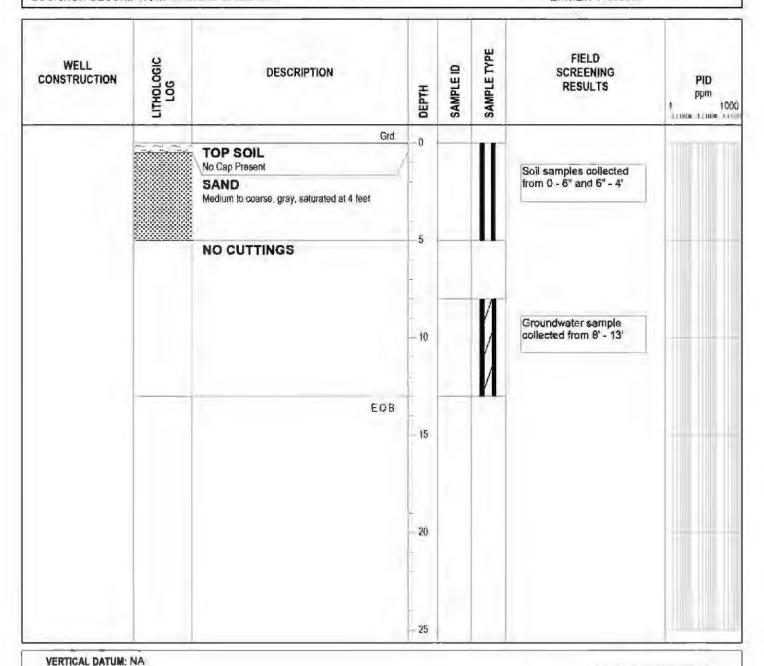
DATE: 5-17-17

DRILLER: Scott Densteadt **GEOLOGIST:** Jeff Pincumbe DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of coal shed

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA S.W.L.: NA CASING: NA SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.146935830

LONGITUDE: -88.457558864

DATUM: MichGeoRef

NORTHING: 735694,063 EASTING: 313527.366





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-17-17

DRILLER: Scott Densteadt

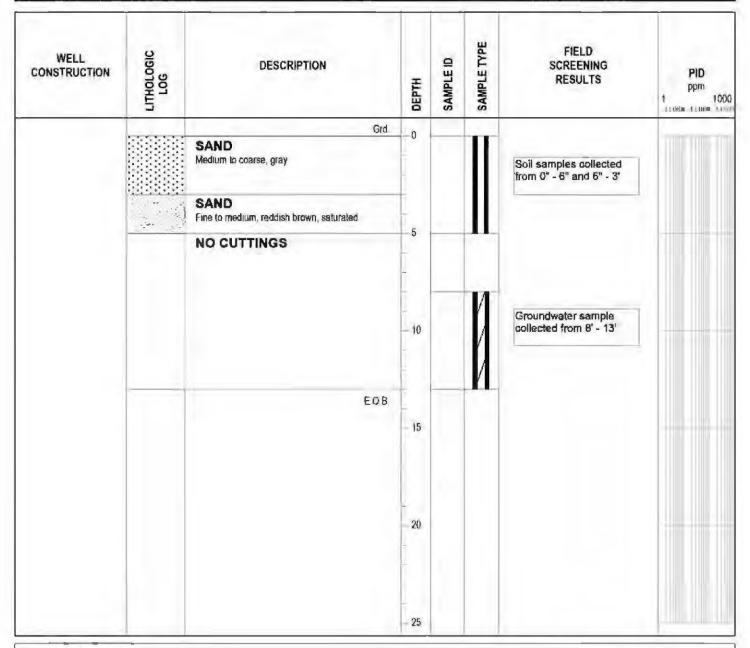
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of coal shed

ERNIE#: 31000098



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

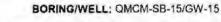
LATITUDE: 47.146902015

LONGITUDE: -88,457229817

DATUM: MichGeoRef

NORTHING: 735689,527

EASTING: 313552.187





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W SECTION: 23

DATE: 5-17-17

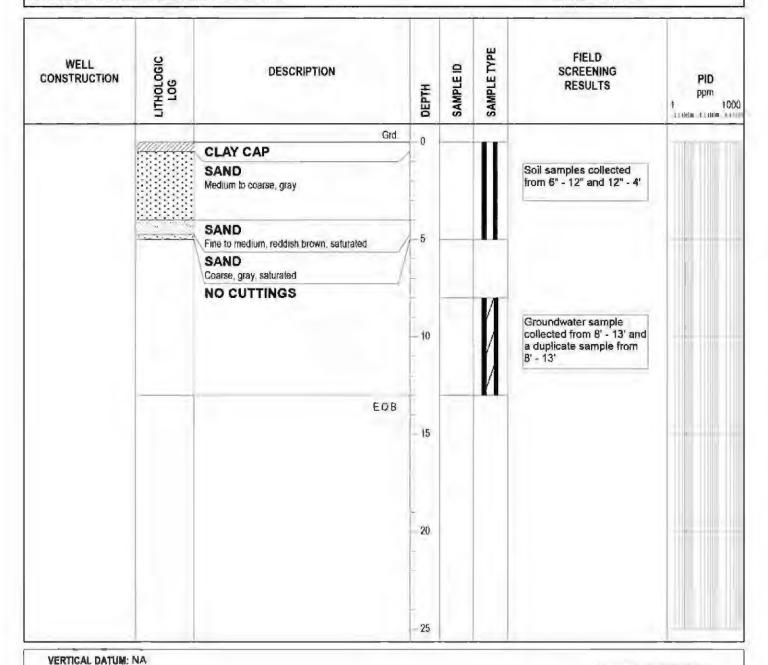
DRILLER: Scott Densteadt **GEOLOGIST**: Jeff Pincumbe DRILL METHOD: Geoprobe

SITE: AMW - Quincy Mining Company Mason

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of coal shed

ERNIE#: 31000098



GRD. ELEVATION: NA T.O.C.: NA S.W.L.: NA CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.146837431

LONGITUDE: -88.457410139

DATUM: MichGeoRef

NORTHING: 735682,780

EASTING: 313538,296



COUNTY: Houghton
TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-17-17

DRILLER: Scott Densteadt
GEOLOGIST: Jeff Pincumbe

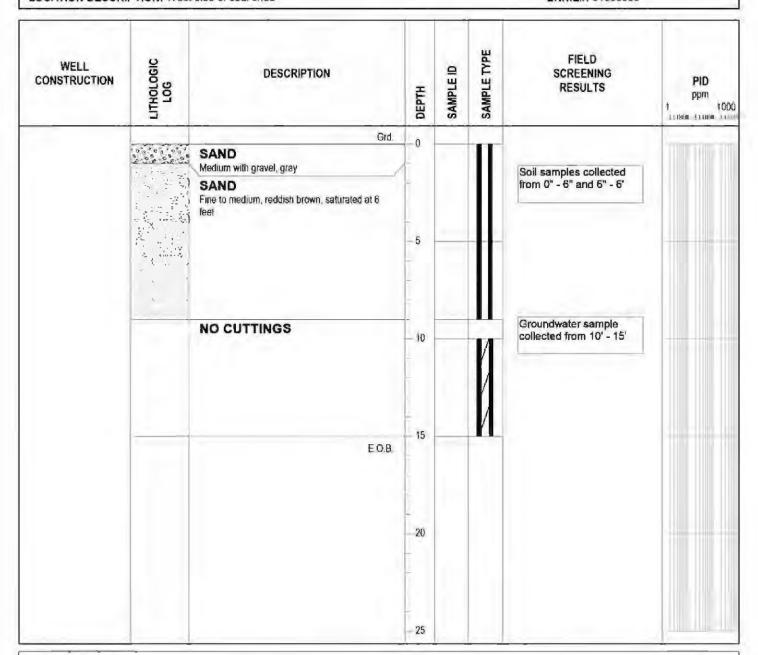
DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: West side of coal shed

ERNIE#: 31000098

BORING/WELL: QMCM-SB-16/GW-16



VERTICAL DATUM: NA GRD. ELEVATION: NA

T.O.C.: NA

S.W.L.: NA CASING: NA

SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.146804280

LONGITUDE: -88.458293615

DATUM: MichGeoRef

NORTHING: 735681,192

EASTING: 313471.224



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-18-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

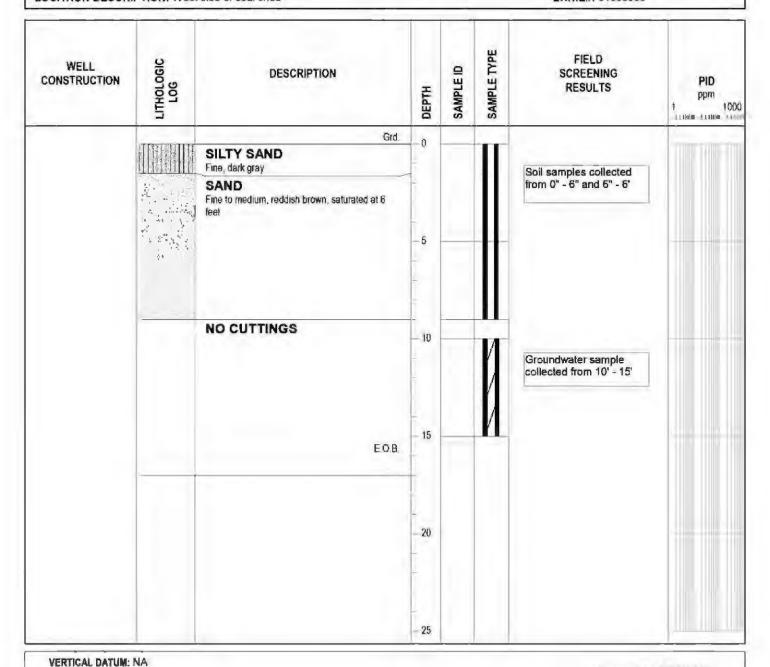
DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: West side of coal shed

ERNIE#: 31000098

BORING/WELL: QMCM-SB-17/GW-17



GRD. ELEVATION: NA T.O.C.: NA S.W.L.: NA CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.146748330

LONGITUDE: -88,458534151

DATUM: MichGeoRef NORTHING: 735675.547

EASTING: 313452.800





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-18-17

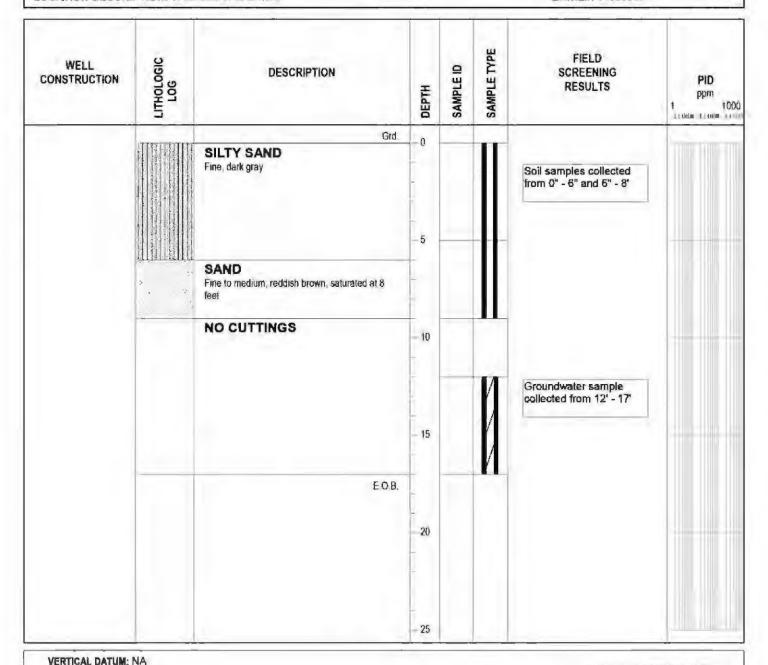
DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe DRILL METHOD: Geoprobe

TOTAL DEPTH: 17 feet

LOCATION DESCRIPTION: West side of coal shed

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA S.W.L.: NA

CASING: NA SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

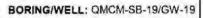
LATITUDE: 47.146634387

LONGITUDE: -88.458189443

DATUM: MichGeoRef

NORTHING: 735662,072

EASTING: 313478.528





COUNTY: Houghton

TOWNSHIP: Osceola TOWN: 55N

RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-17-17

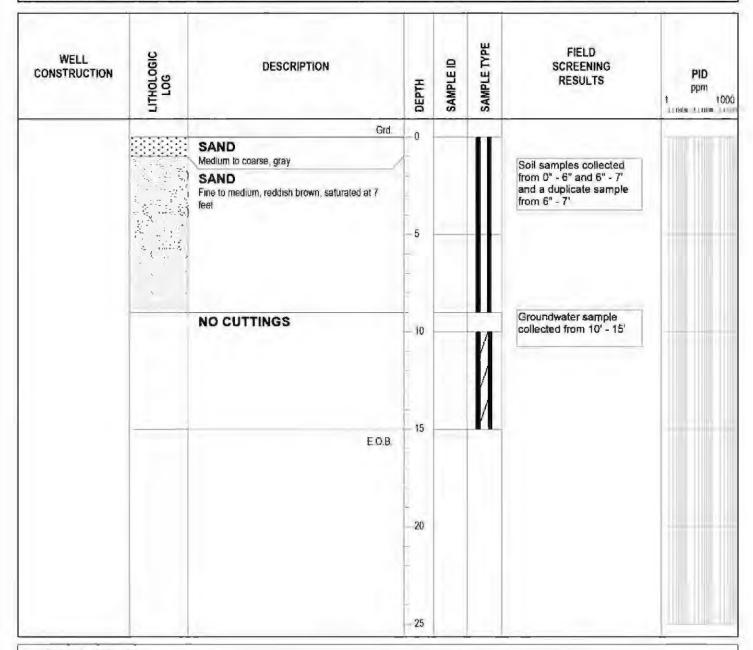
DRILLER: Scott Densteadt

GEOLOGIST: Jeff Pincumbe DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: West side of coal shed

ERNIE#: 31000098



VERTICAL DATUM: NA GRD. ELEVATION: NA

> T.O.C.: NA S.W.L.: NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

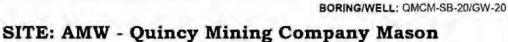
LATITUDE: 47.146580868

LONGITUDE: -88.458382864

DATUM: MichGeoRef

NORTHING: 735656.586

EASTING: 313463.683



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W

SECTION: 23

DATE: 5-18-17

DRILLER: Chris Black

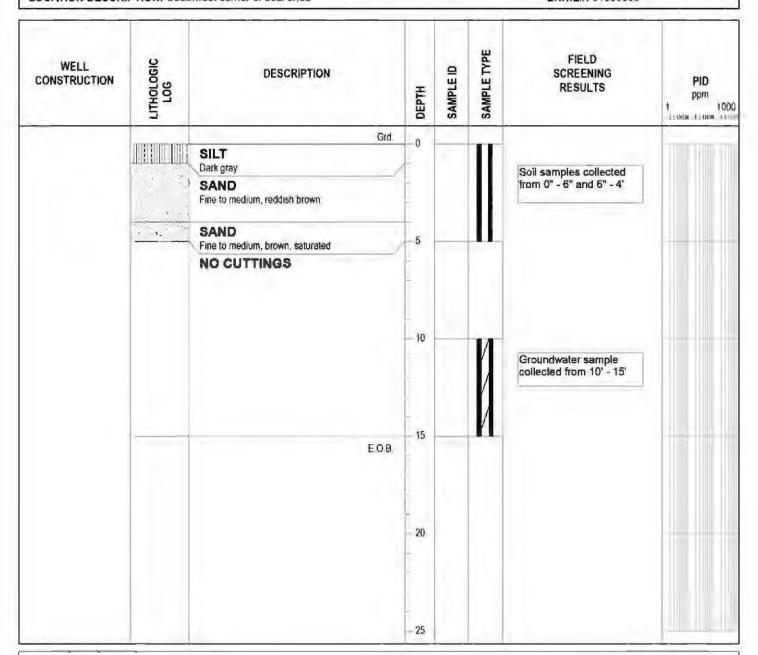
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: Southwest corner of coal shed

ERNIE#: 31000098



VERTICAL DATUM: NA GRD. ELEVATION: NA T.O.C.: NA

S.W.L.; NA CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.146244883

LONGITUDE: -88.458389528

DATUM: MichGeoRef

NORTHING: 735619.278

EASTING: 313462,010



COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-18-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

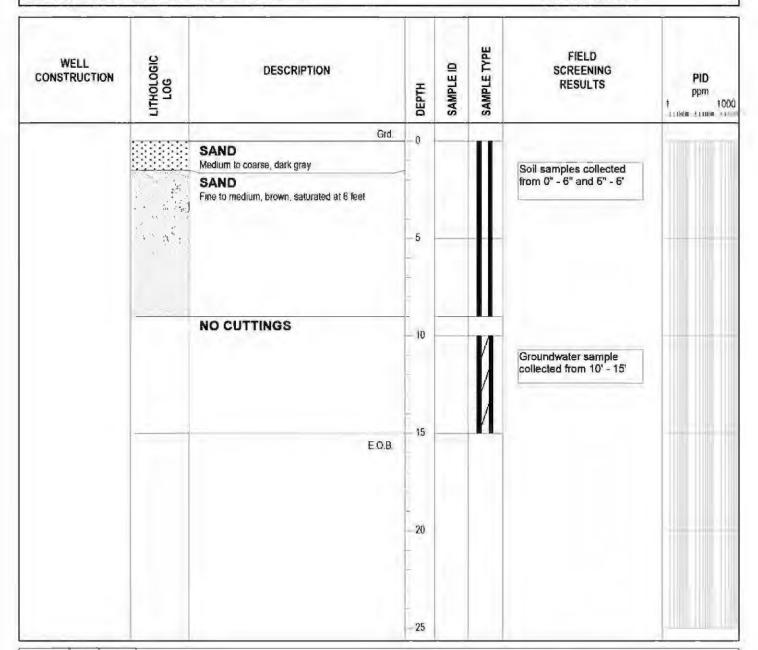
DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: Southwest corner of coal shed

ERNIE#: 31000098

BORING/WELL: QMCM-SB-21/GW-21



VERTICAL DATUM: NA GRD. ELEVATION: NA T.O.C.: NA S.W.L.; NA

CASING: NA SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

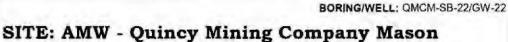
LATITUDE: 47.146194051

LONGITUDE: -88,458595630

DATUM: MichGeoRef

NORTHING: 735614.120

EASTING: 313446.221





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

DRILLER: Chris Black

DATE: 5-18-17

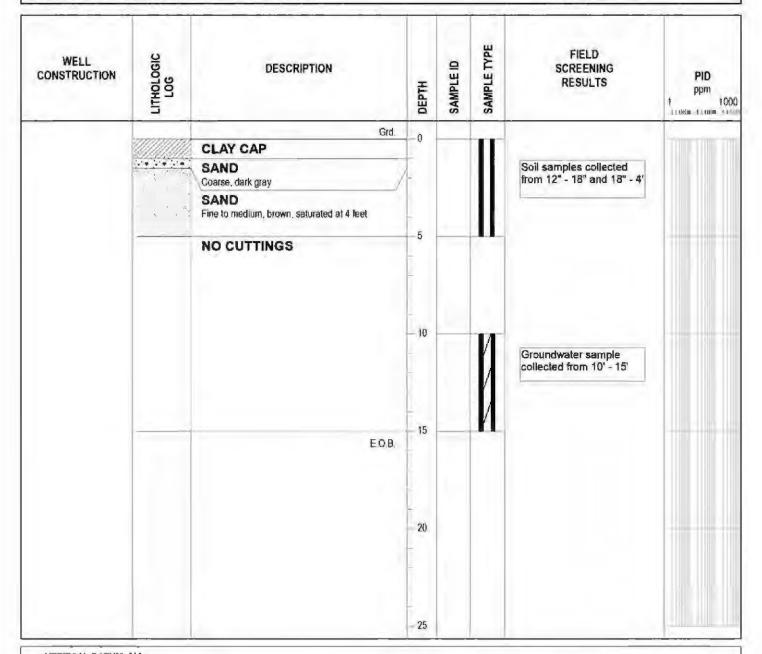
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: Southwest corner of coal shed

ERNIE#: 31000098



VERTICAL DATUM: NA GRD, ELEVATION: NA T.O.C.: NA S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.146093120

LONGITUDE: -88.458302887

DATUM: MichGeoRef

NORTHING: 735602,214

EASTING: 313468.049



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 5-18-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

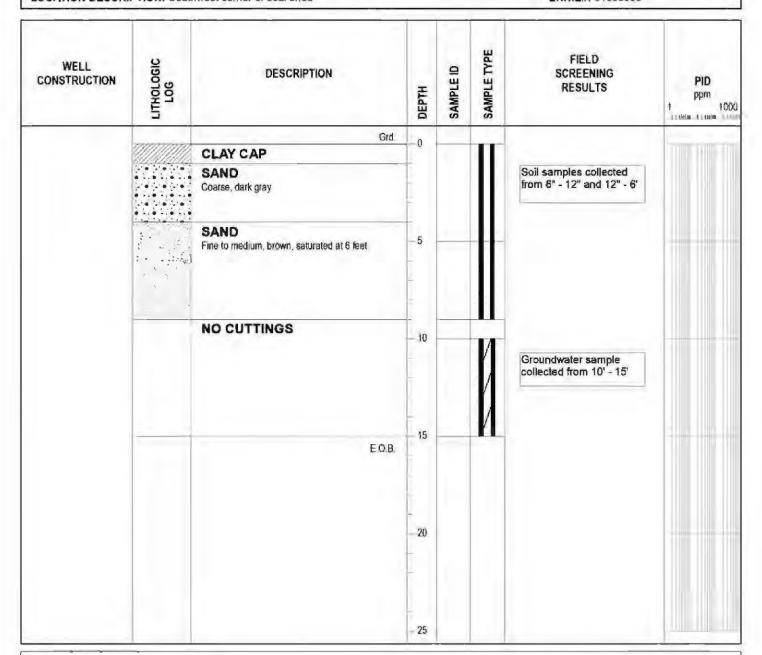
DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: Southwest corner of coal shed

ERNIE#: 31000098

BORING/WELL: QMCM-SB-23/GW-23



VERTICAL DATUM: NA GRD. ELEVATION: NA T.O.C.: NA S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

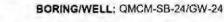
LATITUDE: 47.146053295

LONGITUDE: -88.458494814

DATUM: MichGeoRef

NORTHING: 735598.245

EASTING: 313453.365





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W

SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

DRILLER: Chris Black

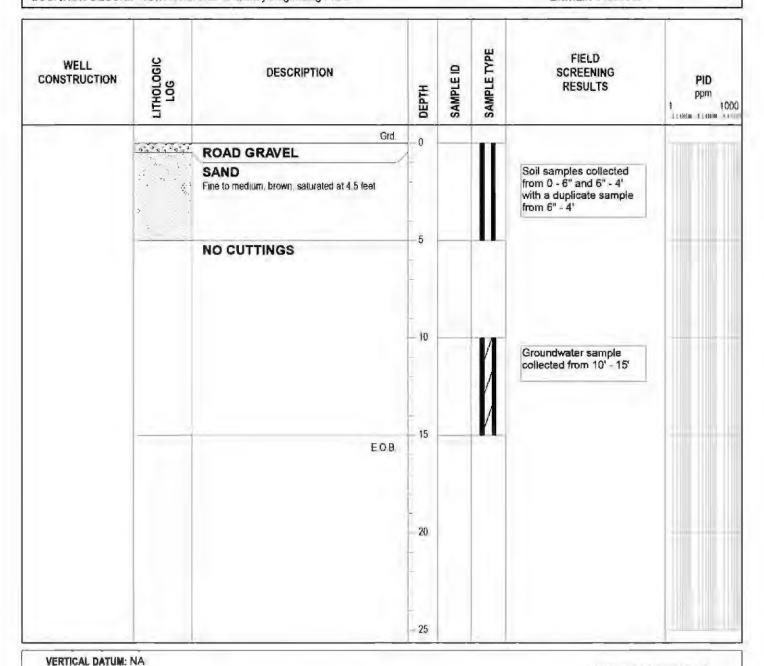
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: North side of Quincy Regrinding Plant

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA S.W.L.: NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

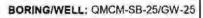
LATITUDE: 47.140999910

LONGITUDE: -88.464478974

DATUM: MichGeoRef

NORTHING: 735051,096

EASTING: 312982,220





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 26

BOREHOLE LOG

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

DRILLER: Chris Black

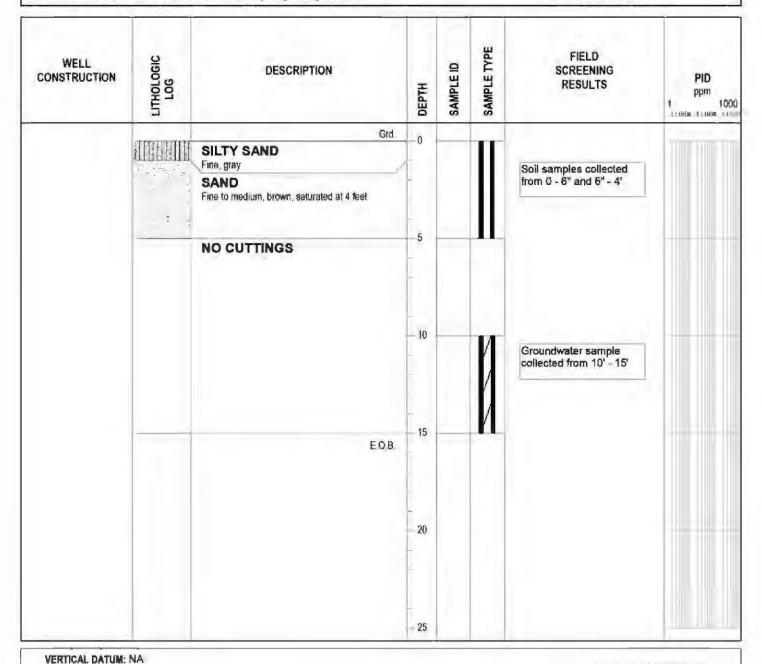
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: North side of Quincy Regrinding Plant

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA

S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.140953453

LONGITUDE: -88,464599334

DATUM: MichGeoRef

NORTHING: 735046.222

EASTING; 312972,935





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 26

BOREHOLE LOG

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

DRILLER: Chris Black

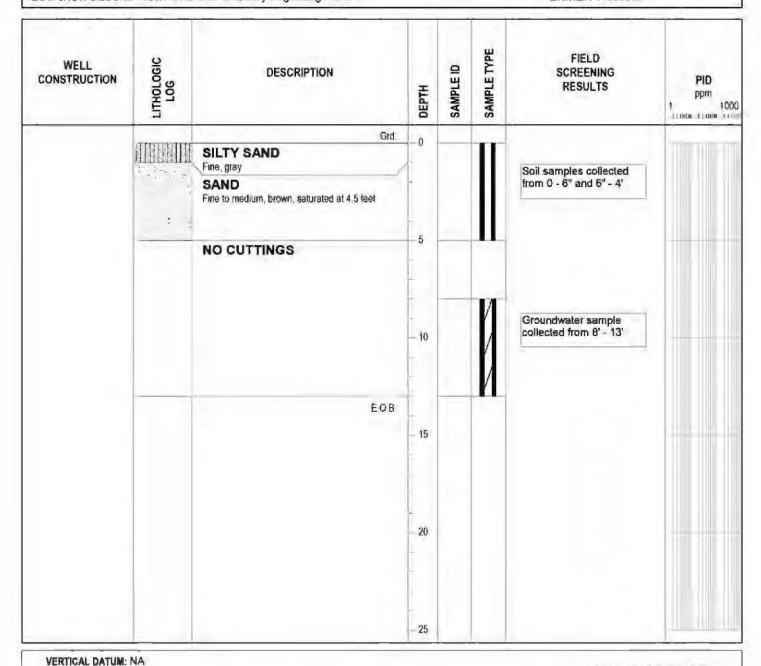
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of Quincy Regrinding Plant

ERNIE#: 31000098



GRD. ELEVATION: NA T.O.C.: NA

S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.140851787

LONGITUDE: -88.464643934

DATUM: MichGeoRef

NORTHING: 735035.034

EASTING: 312969.200



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

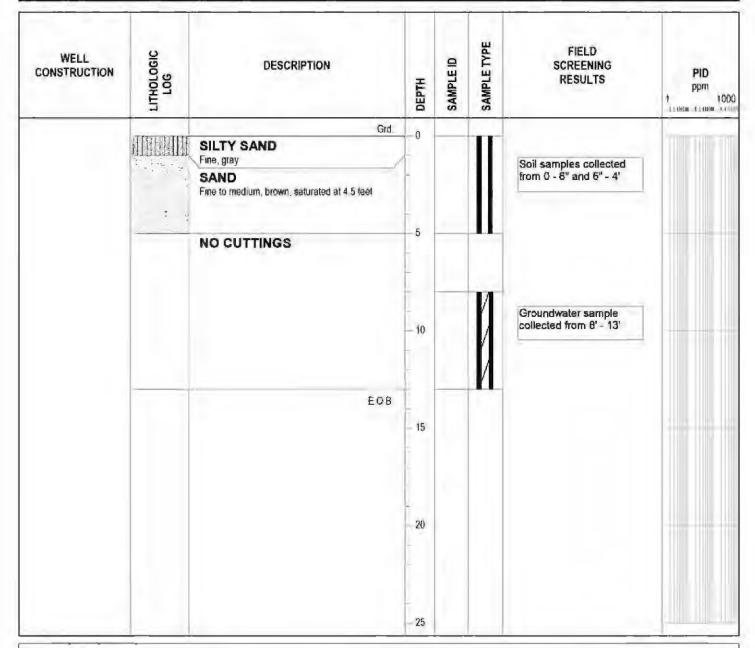
DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of Quincy Regrinding Plant

ERNIE#: 31000098

BORING/WELL: QMCM-SB-27/GW-27



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.140816410

LONGITUDE: -88.464461350

DATUM: MichGeoRef

NORTHING: 735030,670

EASTING: 312982,916



COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 26

BORING/WELL: QMCM-SB-28/GW-28

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

DRILLER: Chris Black

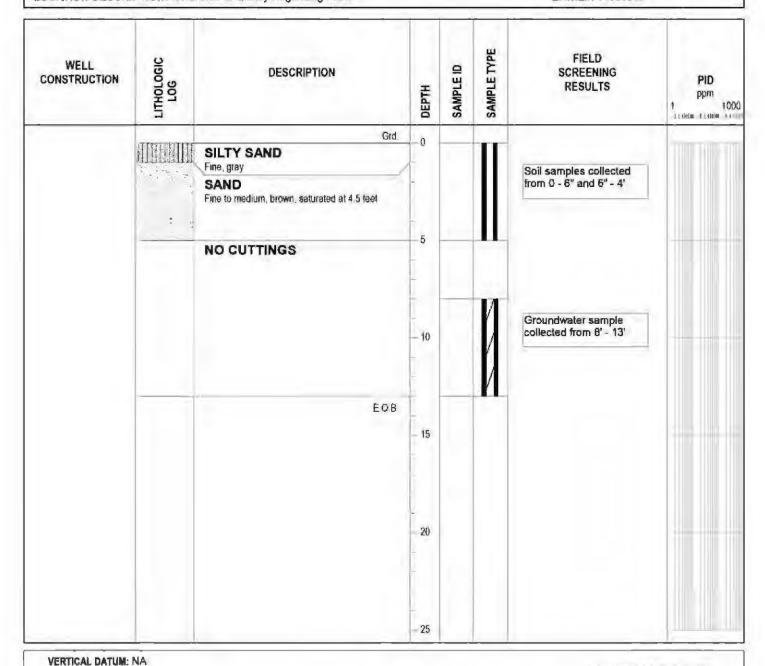
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of Quincy Regrinding Plant

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA

S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.140828165

LONGITUDE: -88,464302648

DATUM: MichGeoRef

NORTHING: 735031.598

EASTING: 312994.986



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

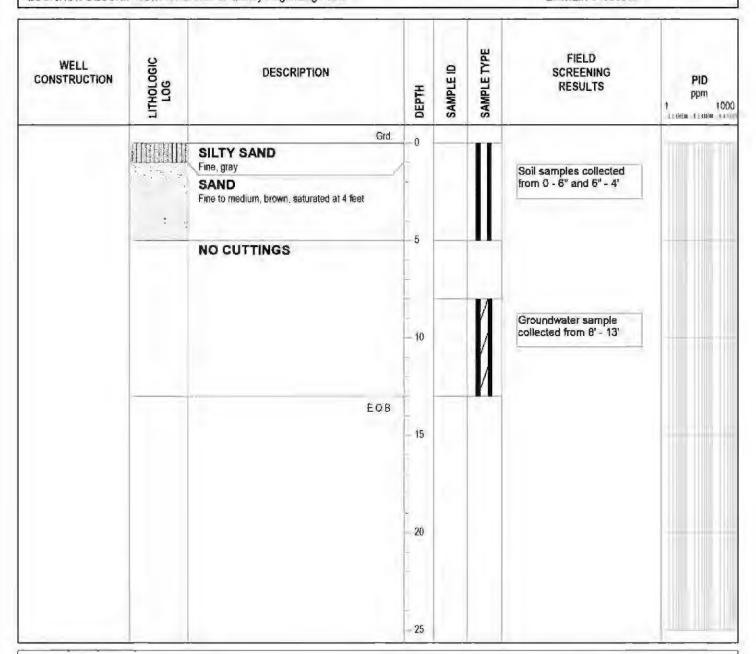
DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: North side of Quincy Regrinding Plant

ERNIE#: 31000098

BORING/WELL: QMCM-SB-29/GW-29



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA CASING: NA

SCREEN: NA

WELL DEPTH: NA
COMPLETION NOTES: back filled with bentonite

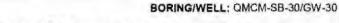
LATITUDE: 47.140931686

LONGITUDE: -88.464347218

DATUM: MichGeoRef

NORTHING: 735043.204

EASTING: 312991.968





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-18-17

DRILLER: Chris Black

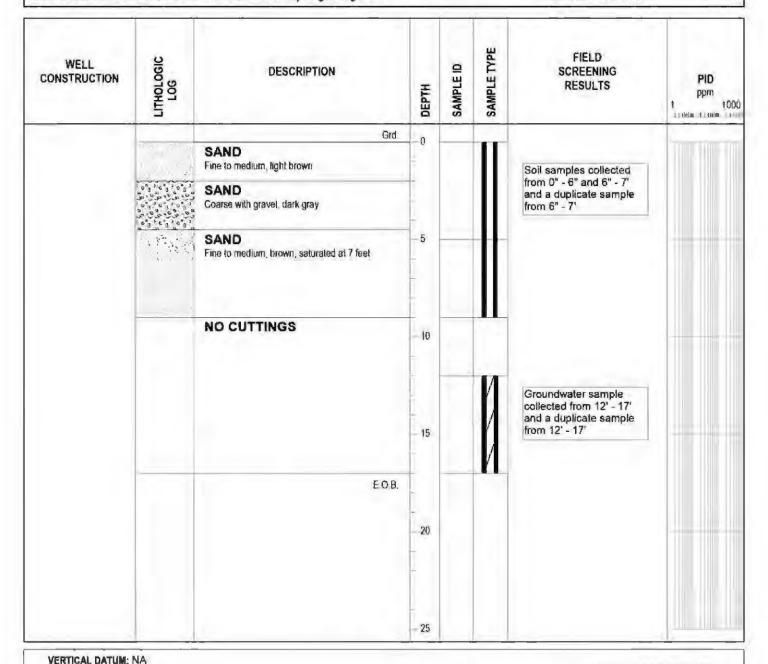
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 17 feet

LOCATION DESCRIPTION: Southeast corner of Quincy Regrinding Plant

ERNIE#: 31000098



GRD. ELEVATION: NA T.O.C.: NA S.W.L.: NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.140088412

LONGITUDE: -88.463917975

DATUM: MichGeoRef

NORTHING: 734948.507

EASTING: 313021.565



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-18-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

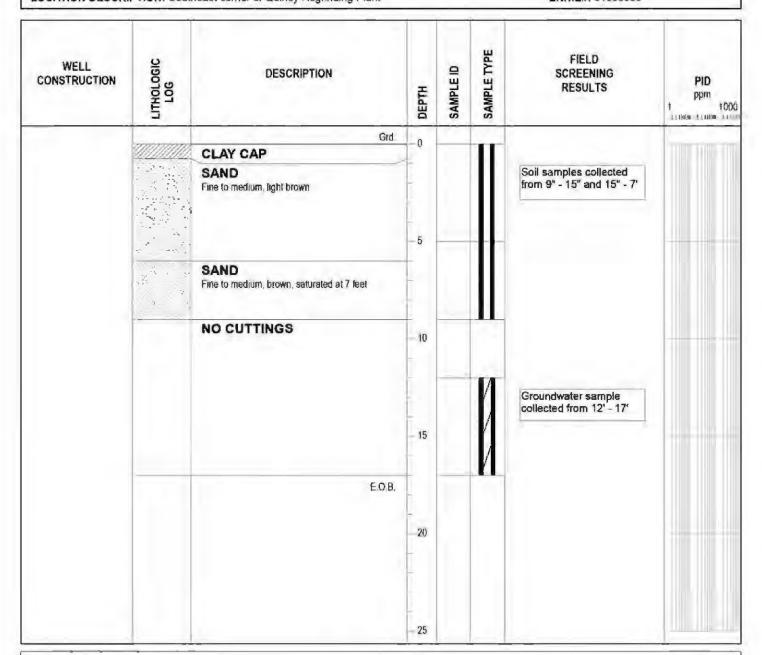
DRILL METHOD: Geoprobe

TOTAL DEPTH: 17 feet

LOCATION DESCRIPTION: Southeast corner of Quincy Regrinding Plant

ERNIE#: 31000098

BORING/WELL: QMCM-SB-31/GW-31



VERTICAL DATUM: NA GRD. ELEVATION: NA T.O.C.: NA S.W.L.; NA

CASING: NA SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.140066688

LONGITUDE: -88,463991154

DATUM: MichGeoRef

NORTHING: 734946,266

EASTING: 313015.943



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 27

SITE: AMW - Quincy Mining Company Mason

DATE: 5-20-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

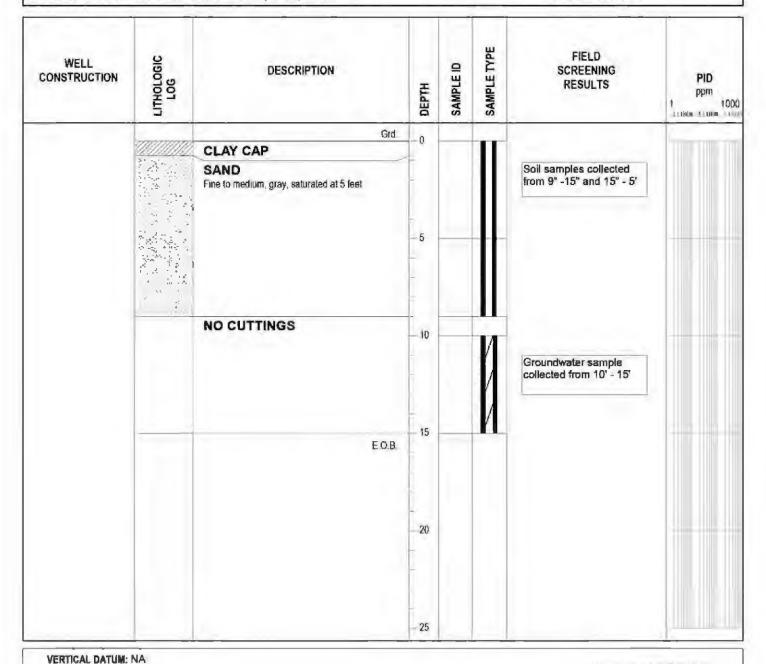
DRILL METHOD: Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: South side of Quincy Stamp Sands

ERNIE#: 31000098

BORING/WELL: QMCM-SB-32/GW-32



GRD. ELEVATION: NA T.O.C.: NA

S.W.L.; NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.133758373

LONGITUDE: -88.468083423

DATUM: MichGeoRef

NORTHING: 734255.240

EASTING: 312723.009





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 27

BOREHOLE LOG

SITE: AMW - Quincy Mining Company Mason

DATE: 5-20-17

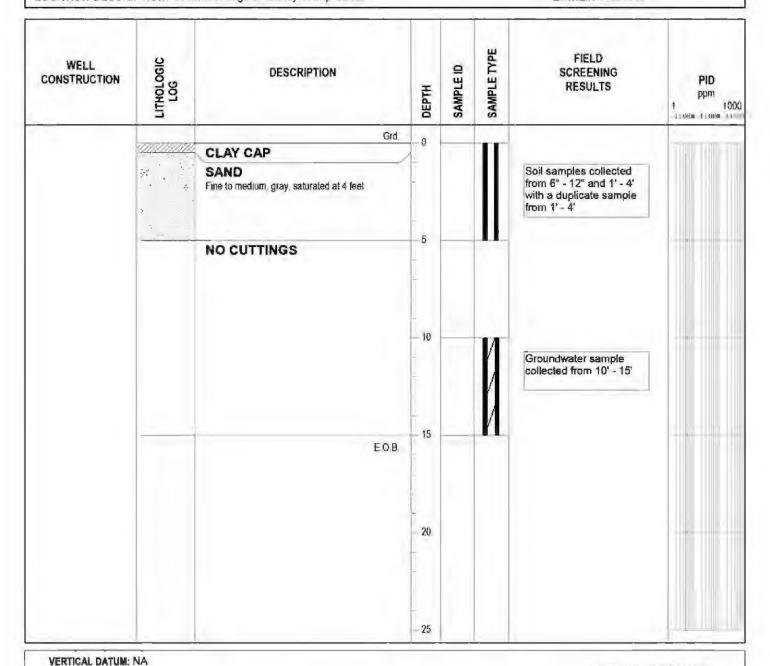
DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe **DRILL METHOD:** Geoprobe

TOTAL DEPTH: 15 feet

LOCATION DESCRIPTION: Southwest edge of Quincy Stamp Sands

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

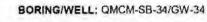
LATITUDE: 47.132181808

LONGITUDE: -88.470350063

DATUM: MichGeoRef

NORTHING: 734085.507

EASTING: 312506.409





COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W

SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-20-17

DRILLER: Chris Black

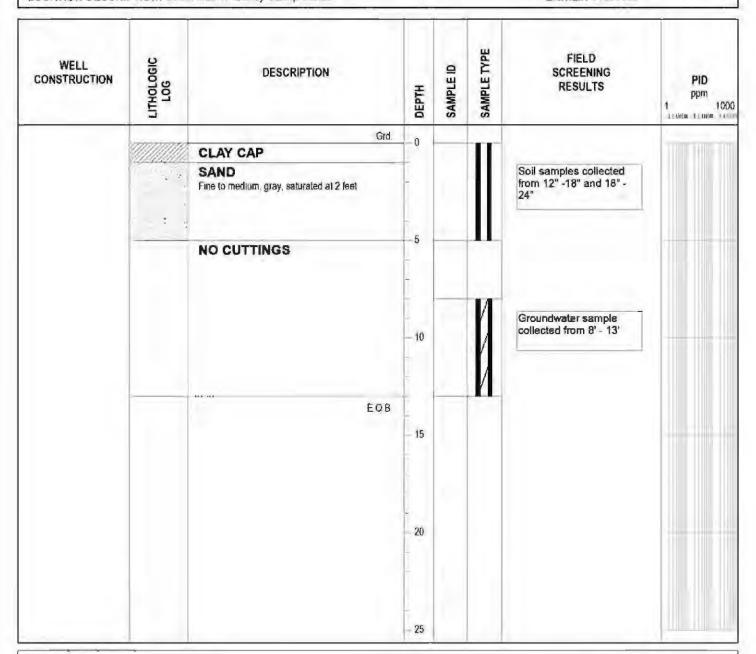
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: South side of Quincy Stamp Sands

ERNIE#: 31000098



VERTICAL DATUM: NA GRD, ELEVATION: NA T.O.C.: NA S.W.L.; NA CASING: NA

SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.131844332

LONGITUDE: -88.467477336

DATUM: MichGeoRef

NORTHING: 734041.174

EASTING: 312723.009





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-20-17

DRILLER: Chris Black

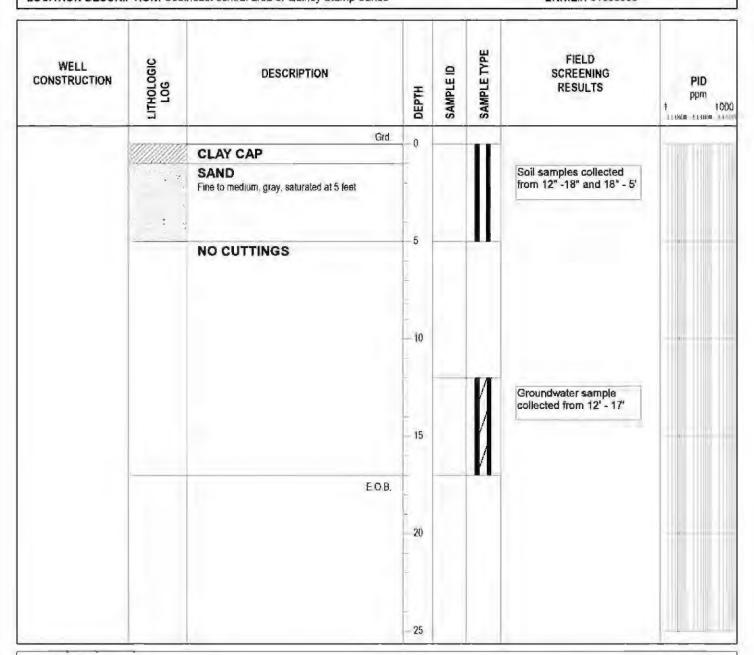
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 17 feet

LOCATION DESCRIPTION: Southeast central area of Quincy Stamp Sands

ERNIE#: 31000098



VERTICAL DATUM: NA GRD. ELEVATION: NA

> T.O.C.: NA S.W.L.; NA

CASING: NA

SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

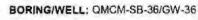
LATITUDE: 47.132718198

LONGITUDE: -88.464476539

DATUM: MichGeoRef

NORTHING: 734131.107

EASTING: 312953.542





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 5-20-17

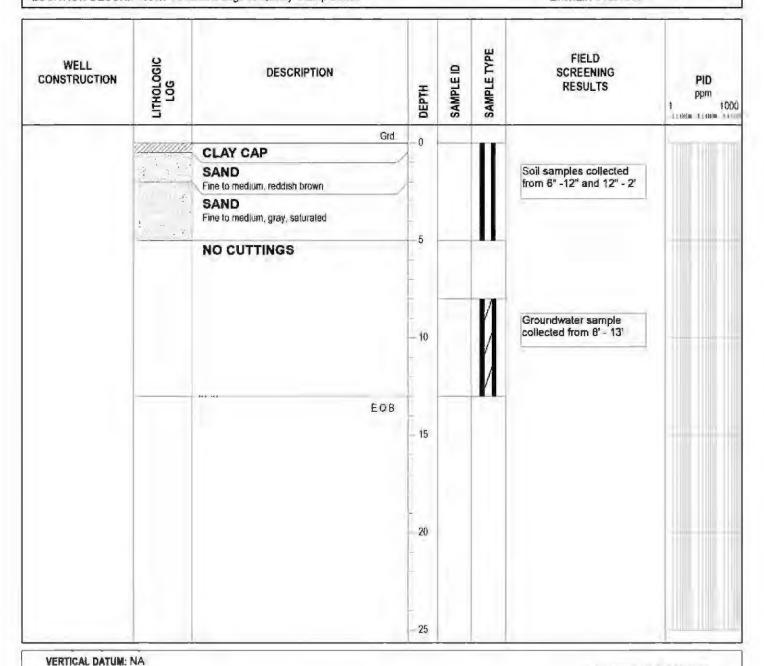
DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe DRILL METHOD: Geoprobe

TOTAL DEPTH: 13 feet

LOCATION DESCRIPTION: Southeast edge of Quincy Stamp Sands

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA S.W.L.; NA

CASING: NA SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.130104252

LONGITUDE: -88,462621777

DATUM: MichGeoRef

NORTHING: 733836.324

EASTING: 313085.045



COUNTY: Houghton TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 27

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe

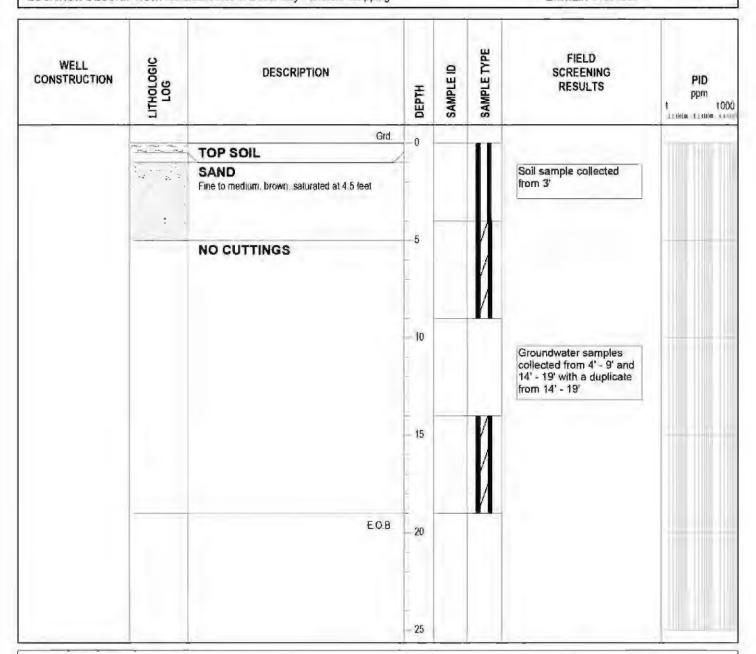
DRILL METHOD: Geoprobe

TOTAL DEPTH: 19 feet

LOCATION DESCRIPTION: Northeast side of Dollar Bay Furniture Stripping

ERNIE#: 31000098

BORING/WELL: QMCM-SB-37/GW-37



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA S.W.L.; NA

CASING: NA

SCREEN: NA WELL DEPTH; NA

COMPLETION NOTES: back filled with bentonite

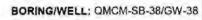
LATITUDE: 47.128993619

LONGITUDE: -88,480464595

DATUM: MichGeoRef

NORTHING: 733755.508

EASTING: 311728.459





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 27

SITE: AMW - Quincy Mining Company Mason

DATE: 5-19-17

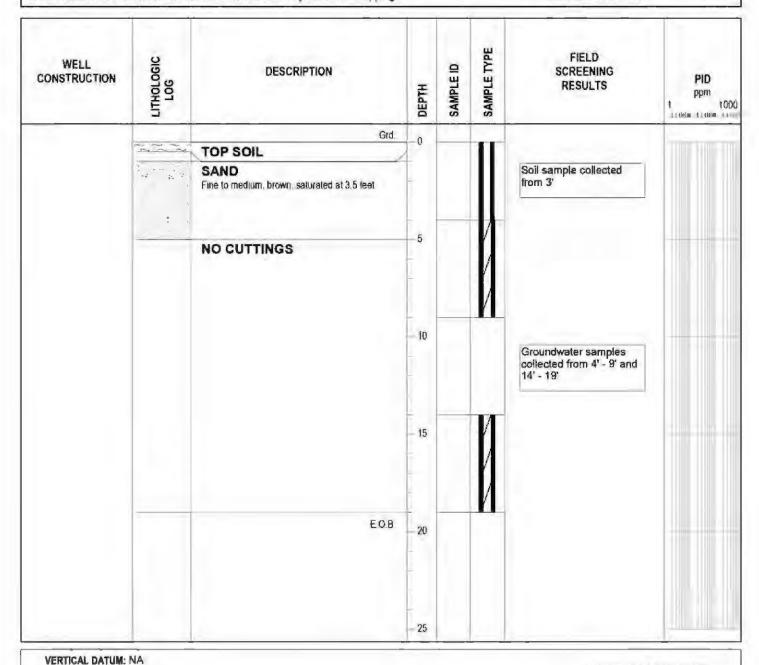
DRILLER: Chris Black

GEOLOGIST: Jeff Pincumbe **DRILL METHOD**: Geoprobe

TOTAL DEPTH: 19 feet

LOCATION DESCRIPTION: Southeast side of Dollar Bay Furniture Stripping

ERNIE#: 31000098



GRD. ELEVATION: NA T.O.C.: NA S.W.L.; NA

CASING: NA SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.128849008

LONGITUDE: -88,480437096

DATUM: MichGeoRef

NORTHING: 733739.378

EASTING: 311730,036





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 9-17-17

DRILLER: Mike Priebe

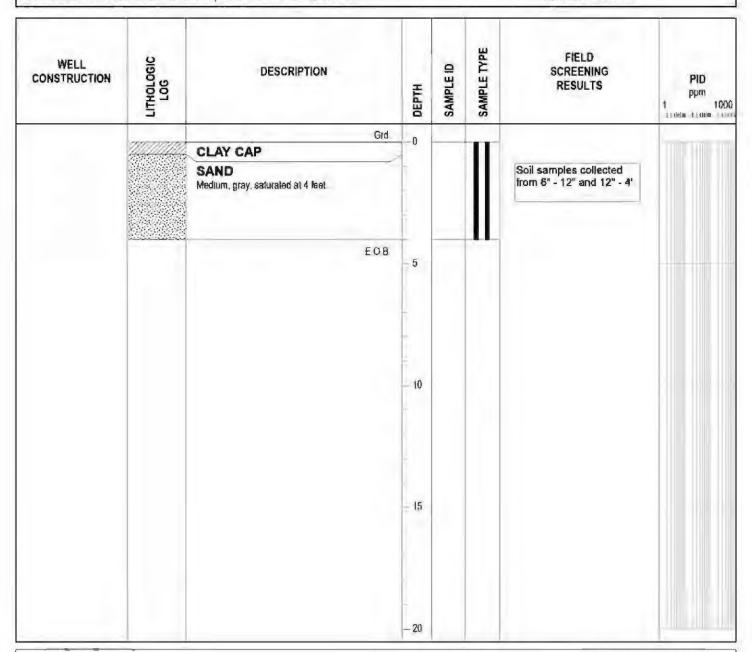
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 4 feet

LOCATION DESCRIPTION: NE of dump area NE of Boiler House #2

ERNIE#: 31000098



VERTICAL DATUM: NA

GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA

SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.148427300

LONGITUDE: -88,456385493

DATUM: MichGeoRef

NORTHING: 735856,964

EASTING: 313621.475





COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N RANGE: 33W SECTION: 23

SITE: AMW - Quincy Mining Company Mason

DATE: 9-17-17

DRILLER: Mike Priebe

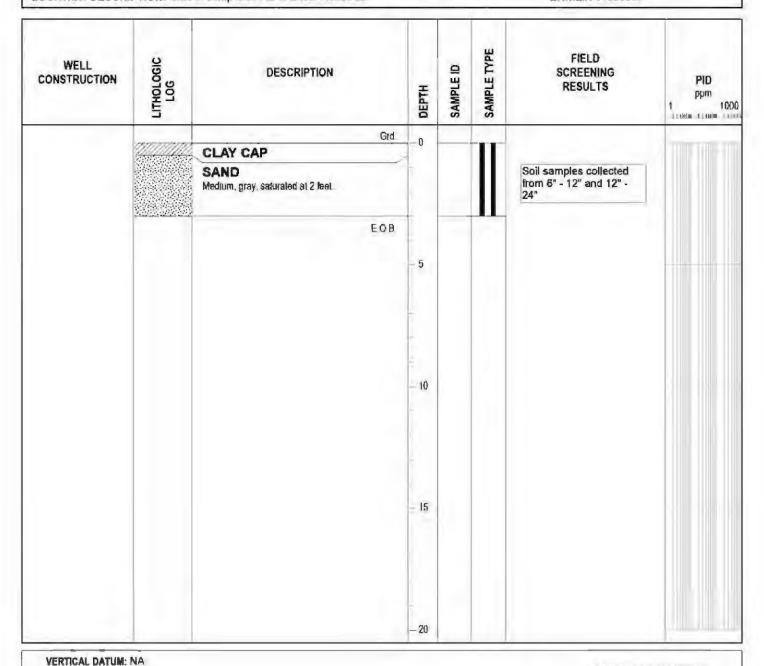
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 3 feet

LOCATION DESCRIPTION: East of dump area NE of Boiler House #2

ERNIE#: 31000098



GRD, ELEVATION: NA T.O.C.: NA S.W.L.; NA CASING: NA SCREEN: NA WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.148191719

LONGITUDE: -88,456198180

DATUM: MichGeoRef

NORTHING: 735830.350

EASTING: 313634.852



COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

BORING/WELL: QMCM-SB-41

SITE: AMW - Quincy Mining Company Mason

DATE: 9-17-17

DRILLER: Mike Priebe

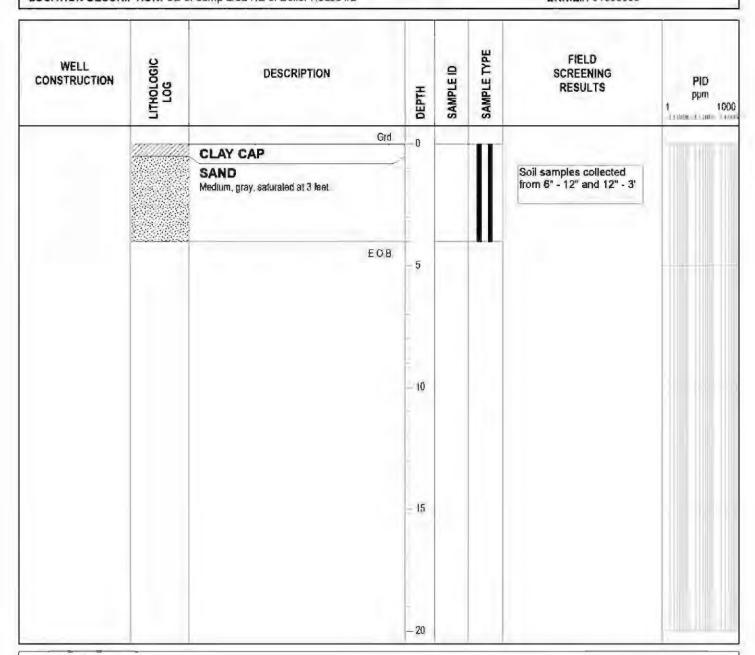
GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 4 feet

LOCATION DESCRIPTION: SE of dump area NE of Boiler House #2

ERNIE#: 31000098



VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.148053173

LONGITUDE: -88.456422429

DATUM: MichGeoRef

NORTHING: 735815.491

EASTING; 313617.376



COUNTY: Houghton
TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 23

BORING/WELL: QMCM-SB-42

SITE: AMW - Quincy Mining Company Mason

DATE: 9-17-17

DRILLER: Mike Priebe

GEOLOGIST: Jeff Pincumbe

DRILL METHOD: Geoprobe

TOTAL DEPTH: 4 feet

LOCATION DESCRIPTION: SE of dump area NE of Boiler House #2

ERNIE#: 31000098

WELL CONSTRUCTION	LITHOLOGIC LOG	DESCRIPTION	ОЕРТН	SAMPLEID	SAMPLE TYPE	FIELD SCREENING RESULTS	PID ppm 1 1606
	mman	Grd	-0				
		CLAY CAP	4		ш		
		SAND Medium, gray, saturated at 2 feet				Soil samples collected from 6" - 12" and 12" - 24"	
	<u>ampointaris</u> pa	EOB	- 5				
			- 10				
			- 15				
			- 20				

VERTICAL DATUM: NA GRD, ELEVATION: NA

T.O.G.: NA

S.W.L.; NA

CASING: NA SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.147925448

LONGITUDE: -88.456735272

DATUM: MichGeoRef

NORTHING: 735802.044

EASTING: 313593.223



COUNTY: Houghton

TOWNSHIP: Osceola

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: AMW - Quincy Mining Company Mason

DATE: 9-17-17

DRILLER: Mike Priebe

GEOLOGIST: Jeff Pincumbe

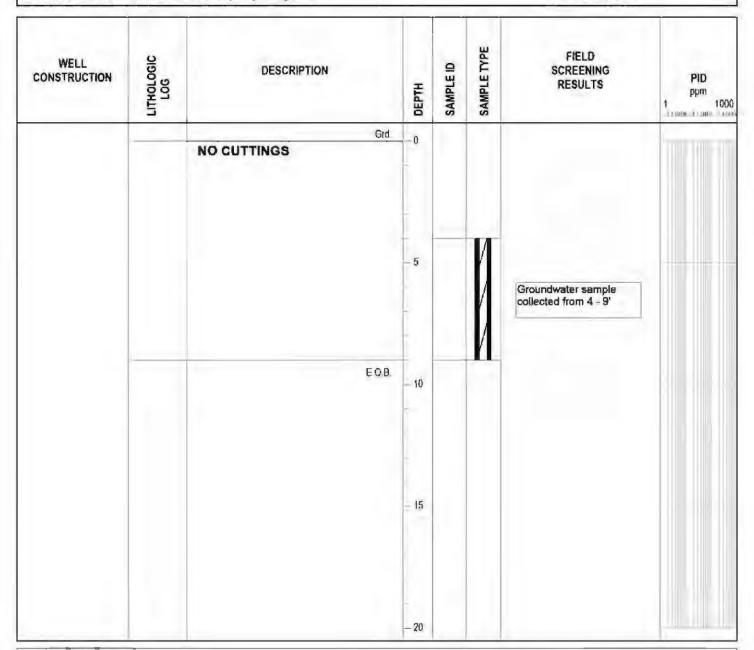
DRILL METHOD: Geoprobe

TOTAL DEPTH: 9 feet

LOCATION DESCRIPTION: East of Quincy Regrinding Plant

ERNIE#: 31000098

BORING/WELL: QMCM-GW-43



VERTICAL DATUM: NA

GRD, ELEVATION: NA

T.O.C.: NA

S.W.L.; NA

CASING: NA

SCREEN: NA

WELL DEPTH: NA

COMPLETION NOTES: back filled with bentonite

LATITUDE: 47.140026210

LONGITUDE: -88,463448755

DATUM: MichGeoRef

NORTHING: 734940.482

EASTING: 313056.914



SEDIMENT CORE LOGS AND SURFACE WATER SAMPLING RECORDS





TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 8, 2017

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 5' in 8.7' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD01

WELL Construction	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter		
		Lake Bottom	-0						
		SILTY CLAY dark brown, loose, wet	5				QMCM-SD01 0-2 9'		
	7.7.7. 7.1.1. 7.1.1. 7.1.1.	SILTY CLAY trace sand, dark brown, noncohesive, non-plastic, wet.							
		SILTY CLAY trace sand, dark brown, noncohesive, high plasticity, wet			QMCM-SD01 2.9-4.5				
	(1)	SAND							
		medium grain, reddish brown. No Recovery							
		EOB							

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.141085532

LONGITUDE: -88,461407709

PROJECTION: MiGeoRef

NORTHING: 735053.311

EASTING: 313215.302



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 8, 2017

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 2.5' in 8.1' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD02/SW01

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter	
	Contraction	Leke Bottom	-0	-				
		SILTY CLAY dark brown, trace organics, soft, wet		ш				
	并并进 计并进 并并并	SILTY CLAY dark brown, trace organics, firm, wet				QMCM-SD02 0-1 4'		
		SILTY SAND fine grain, dark brown, firm,			QMCM-SD02 1 4-2,25			
		EOB						
			_5					

VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING: SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.140872865

LONGITUDE: -88,461438471

PROJECTION: MiGeoRef

NORTHING: 735029.747 EASTING: 313212.246



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 8, 2017

DRILLER: B. Lower

GEOLOGIST: B. Eustice

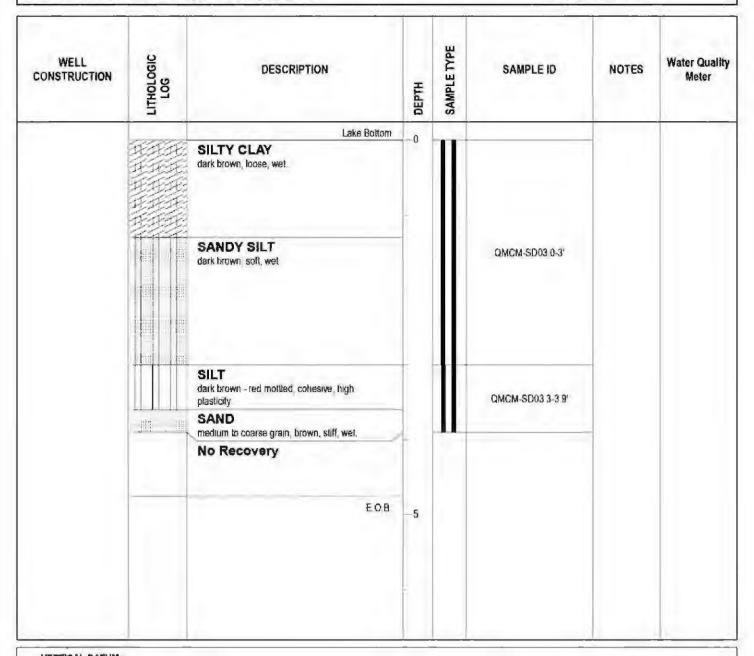
DRILL METHOD: Vibracore

TOTAL DEPTH: 4.75' in 8.5' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD03



VERTICAL DATUM: GRD, ELEVATION:

> T.O.C.: S.W.L.:

9.W.L..

CASING:

SCREEN: WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.140981681

LONGITUDE: -88,461786249

PROJECTION: MiGeoRef

NORTHING: 735042,671

EASTING: 313186.254



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2017

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4' in 16.3' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD04

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom SILT dark brown - black, saturated, loose, oily sheen. SILTY SAND	-0	П	QMCM-SD04 0-11	Oily sheen on water surface after coring	
					QMCM-SD04 1-1 9'		
		No Recovery					
		EOB	5				

VERTICAL DATUM: GRD, ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATTTUDE: 47.140783714

LONGITUDE: -88,462901066

PROJECTION: MiGeoRef

NORTHING: 735023.329

EASTING: 313101.066



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2017

DRILLER: B. Lower

GEOLOGIST: B. Eustice

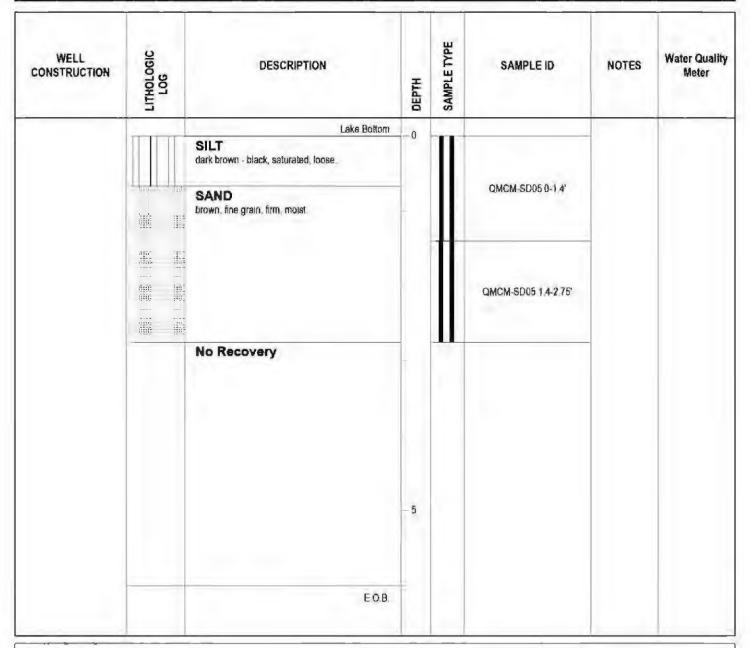
DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 18.2' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD05/SW02



VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.140561640

LONGITUDE: -88,462962584

PROJECTION: MiGeoRef

NORTHING: 734998,805

EASTING: 313095.629



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2017

DRILLER: B. Lower

GEOLOGIST: B. Eustice

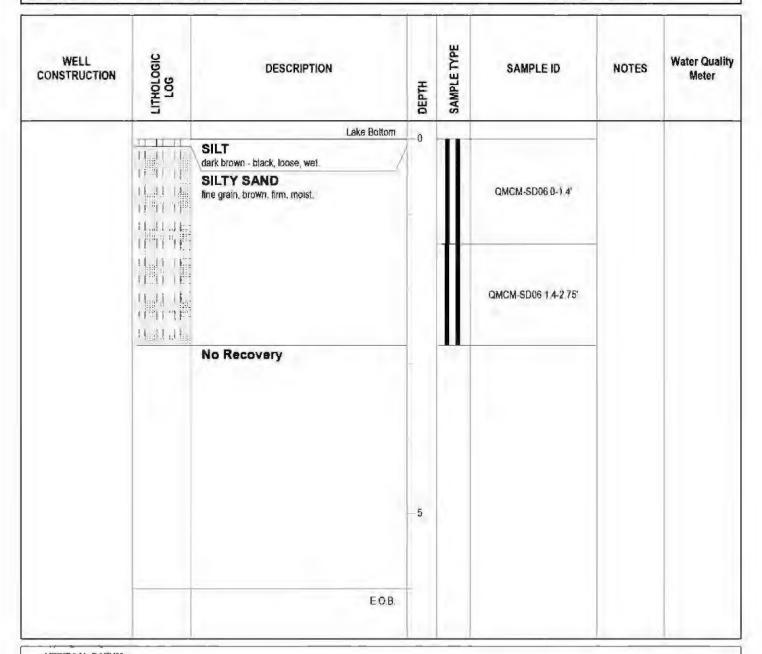
DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 4.7' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD06



VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.140415073

LONGITUDE: -88,463244053

PROJECTION: Michigan GeoRef

NORTHING: 734983,193 EASTING: 313073.785



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2017

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 1.5' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD07/SW03

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom	-0			Collected	
		SANDY SILT dark brown, organics, soft, wet		111	QMCM-SD07 0-2.3'	QMCM-SW03	
		GRAVELLY SAND medium to coarse grain, dark brown - red, poorly sorled, wet					
		CLAY red brown mottled, cohesive, soft.					
		SAND fine grain, brown, well sorted, moist.		П			
		CLAY reddish brown, noncohesive, non-plastic, loose, saturated			OMCM-SD07 2 3-4 8'		
		SAND fine grain, well sorted, reddish brown					
		No Recovery	-5				
		E O.B.					

VERTICAL DATUM: GRD, ELEVATION:

> T.O.C.: S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.140201788

LONGITUDE: -88,462629696

PROJECTION: Michigan GeoRef

NORTHING: 734958,040 EASTING: 313119.608



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2016

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 1.2' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD08

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom SILTY SAND fine grain, well sorted, dark brown, moist. GRAVELLY SAND coarse grain, reddish brown, stiff. SILTY SAND	0		QMCM-SD08 0-1 25' and FD		
) i		QMCM-SD08 1.25-2.8'		
		No Recovery					
			-5				
		EOB	+				

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

9.W.L.

CASING:

SCREEN: WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.139930623

LONGITUDE: -88,460517764

PROJECTION: Michigan GeoRef

NORTHING: 734922,901

EASTING: 313278.743



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2016

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4.9' in 2.2' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD09/SW04

WELL CONSTRUCTION	LOG LOG	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom	-0				
	并在其	SILTY CLAY dark brown - black, loose, saturated.					
		SAND fine grain, well sorted, brown, stiff, wet		Ш			
					QMCM-SD09 0-2,75		
	fizili (zi)((zi)(;ii)(
	环环 北北北 北北北	SILTY CLAY red brown mottled, noncohesive, non-plastic, loose, wet, firm at bottom of core.	-				
	### ###		i.		QMCM-SD09 2 75-4.9°		
	先 并 并 并 并						
		EOB	_5				

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH: **COMPLETION NOTES:**

LATITUDE: 47.139294159

LONGITUDE: -88,462351459

PROJECTION: Michigan GeoRef

NORTHING: 734856,554

EASTING: 313137.537



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 27

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2016

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4' in 4' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD10/SW05

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom SANDY CLAY	-0				
		trace organics, brown, loose, wet.			QMCM-SD10 0-0 5'		
		SAND coarse grain, well sorted, brown, wet			QMCM-SD10 0.5-1		
		No Recovery					
		EOB	5				

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN: WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.133980562

LONGITUDE: -88,471329488

PROJECTION: Michigan GeoRef

NORTHING: 734287.659 EASTING: 312438.446



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 11, 2016 DRILLER: B. Lower

GEOLOGIST: B. Eustice
DRILL METHOD: Vibracore

TOTAL DEPTH: 2.3' in 56.4' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD12

LITHOLOGIC	DESCRIPTION	DEPTH	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	Lake Bottom	-0				
	reddish brown, loose, wet			QMCM-SD12 0-1'		
	SILTY SAND fine grain, well sorted, reddish brown, firm, wet			QMCM-SD12 1-2.3' and FD		
man chii	EOB					
		-5				
		SILTY CLAY reddish brown, loose wet SILTY SAND fine grain, well sorted, reddish brown, firm, wet	SILTY CLAY reddish brown, loose wet SILTY SAND fine grain, well sorted, reddish brown, firm, wet	SILTY CLAY reddish brown, loose, wet SILTY SAND fine grain, well sorted, reddish brown, firm, wet	Lake Bottom SILTY CLAY reddish brown, loose, wet SILTY SAND fine grain, well sorted, reddish brown, firm, wet EOB	Lake Bottern SILTY CLAY reddish brown, loose, wet. QMCM-SD12 0-1' SILTY SAND fine grain, well sorted, reddish brown, firm, wet. QMCM-SD12 1-2.3' and FD

VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING: SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.149801601

LONGITUDE: -88,451174817

PROJECTION: Michigan GeoRef

NORTHING: 735997 295 EASTING: 314021.133



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 11, 2016 DRILLER: B. Lower

GEOLOGIST: B. Eustice DRILL METHOD: Vibracore

TOTAL DEPTH: 5.5' in 57.7' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD13

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	рертн	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	*****	Lake Bottom	-0				
		SILTY CLAY reddish brown, loose, soft, wet			QMCM-SD13 0-3*		
		SILTY SAND fine gain, well sorted, reddish brown, firm, wet.			QMCM-SD13 3-4 2'		
	2440	No Recovery	_5				
		E O.B.					

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING: SCREEN:

WELL DEPTH: **COMPLETION NOTES:**

LATITUDE: 47.150117099

LONGITUDE: -88,450679670

PROJECTION: Michigan GeoRef

NORTHING: 736031,171 EASTING: 314059.750



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 11, 2016 DRILLER: B. Lower

GEOLOGIST; B. Eustice **DRILL METHOD: Vibracore**

TOTAL DEPTH: 3' in 40.8' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD14

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom GRAVELLY SAND	-0	П	QMCM-SD14 0-0 3 ¹		
	2:37-12	coarse grain, reddish brown, wet		11	QINGIN COTTO	-	
		No Recovery					
		EO.B.					
			5				

VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING: SCREEN:

WELL DEPTH: **COMPLETION NOTES:**

LATITUDE: 47.149805926

LONGITUDE: -88,450304528

PROJECTION: Michigan GeoRef

NORTHING: 735995.717 EASTING: 314087.101



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 11, 2016

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 53.4' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD15

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		SANDY GRAVEL coarse grain, reddish brown, wet.	0		QMCM-SD15 0-3-1'		
		SILTY SAND fine grain, well sorted, reddish brown, wet. GRAVELLY SAND poorty sorted, reddish brown, wet. SILTY SAND fine grain, well sorted, reddish brown, wet. GRAVELLY SAND poorty sorted, reddish brown, wet.			QMCM-SD15 1,1-2.9°		
		SILTY SAND fine grain, well sorted, reddish brown, wet. GRAVELLY SAND poorty sorted, reddish brown, wet. No Recovery					
			-5				
		E O.B					

VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.149488758

LONGITUDE: -88,450752931

PROJECTION: Michigan GeoRef

NORTHING: 735961.544 EASTING: 314052.020



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

BOREHOLE LOG
COUNTY: Houghton

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/13/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4.2' in 36.2' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD17

WELL CONSTRUCTION	LOG	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom	-0				
		SAND and CLAY brown, some organics.					
		CLAY reddish brown, soft, wet			QMCM-SD17 0-2'		
		SAND brown, medium grain, well sorted, with thin day lenses.					
		SAND and CLAY alternating layers of sand and clay, 1-4in thick.			QMCM-SD17 2-4.2'		
	1100	EOB					
			-5				

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.;

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.147031053

LONGITUDE: -88,456271795

PROJECTION: MiGeoRef

NORTHING: 735701.590

EASTING: 313625,241



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/13/17

DRILLER: B. Lower

GEOLOGIST; B. Eustice

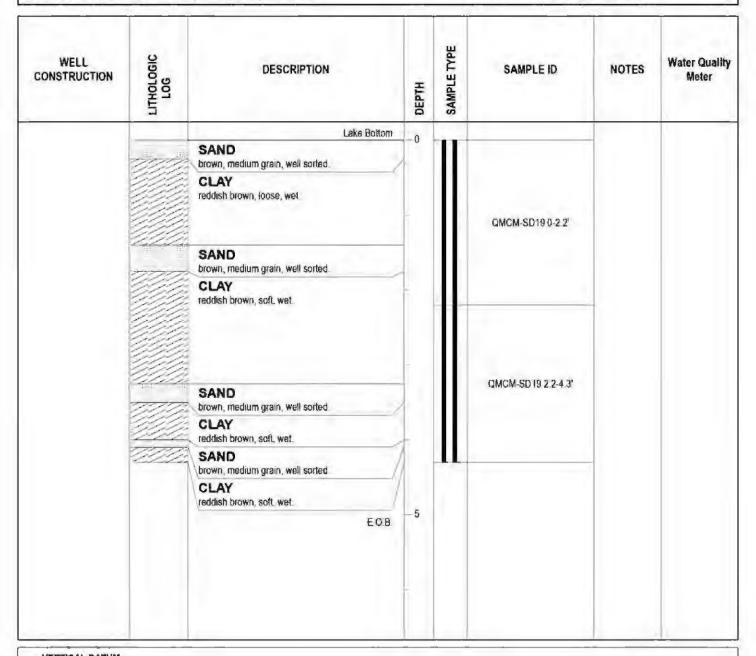
DRILL METHOD: Vibracore

TOTAL DEPTH: 4.3' in 35.8' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD19



VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH: COMPLETION NOTES: LATITUDE: 47.146547356

LONGITUDE: -88,456562260

PROJECTION: MiGeoRef

NORTHING: 735648.546

EASTING: 313601.547



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/13/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4.4' in 34.5' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD20

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	20000	Lake Bottom	-0				
		CLAY brown, soft, loose, wet		П			
		CLAY WITH COAL reddish brown, gravel sized coal pieces throughout			QMCM-SD20 0-2 1*		
					QMCM-SD20 2 1-4 25'		
	252525	No Recovery		•			
		EOB	5				

VERTICAL DATUM: GRD, ELEVATION:

T.O.C.:

S.W.L.:

CASING: SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.146315659

LONGITUDE: -88,456748000

PROJECTION: MiGeoRef

NORTHING: 735623.248

EASTING: 313586.665



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4.25' in 33.5' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD23

WELL CONSTRUCTION	LITHOLOGIC LOG	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	TI- I Is III	Lake Bottom	-0				
		SILTY CLAY reddish brown, loose, soft, wet.			QMCM-SD23 0-2'		
		COAL gravel sized pieces of coal					
		SILTY CLAY reddish brown, trace coal pieces, and some cardboard like debirs			QMCM-SD23 2-4, 25'		
		COAL large pieces of coal in a fine matrix.	ē	Ш			
		EOB	5				

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH: COMPLETION NOTES: LATTTUDE: 47.146015437

LONGITUDE: -88,456908954

PROJECTION: MiGeoRef

NORTHING: 735590.279

EASTING: 313573.424



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/13/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

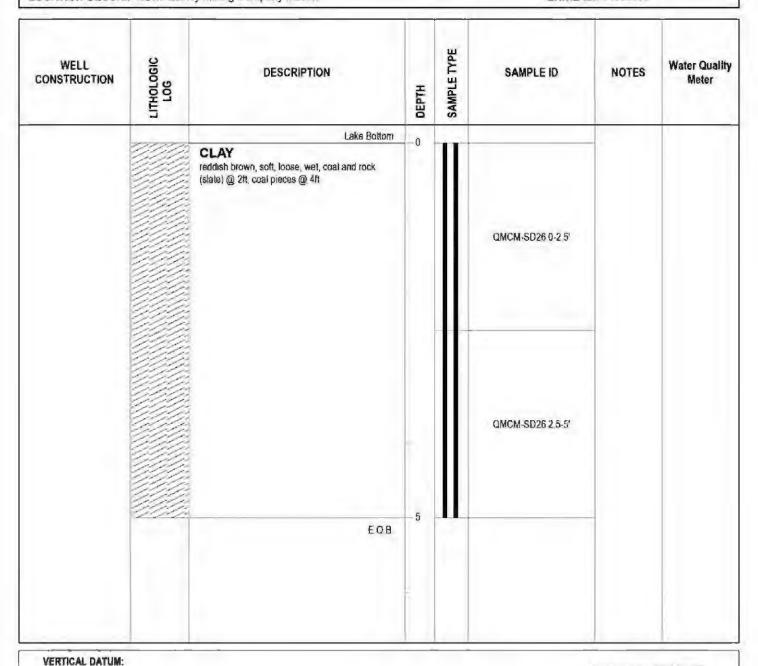
DRILL METHOD: Vibracore

TOTAL DEPTH: 5' in 36' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD26



GRD. ELEVATION:

GRD. ELEVATION.

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.145907756

LONGITUDE: -88,456826199

PROJECTION: MiGeoRef

NORTHING: 735578.121

EASTING: 313579.321



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4' in 34.7' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD28

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	The Libert	Lake Bottom	-0				
		SILTY CLAY reddish brown, soft, loose, wet.			QMCM-SD28 0-2'		
	1111	GRAVELLY SAND reddish brown, coarse grain, with fines, gravel sized coal pieces			QMCM-SD28 2-4'		
		SILTY CLAY reddish brown, wet, loose, with large coal pieces at bottom.			QMCM-5D20 2-4		
		EOB	-5				
			4				

VERTICAL DATUM: GRD, ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH: COMPLETION NOTES: LATTTUDE: 47.14587677

LONGITUDE: -88,45695147

PROJECTION: MiGeoRef

NORTHING: 735574,964

EASTING: 313569.725



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/13/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

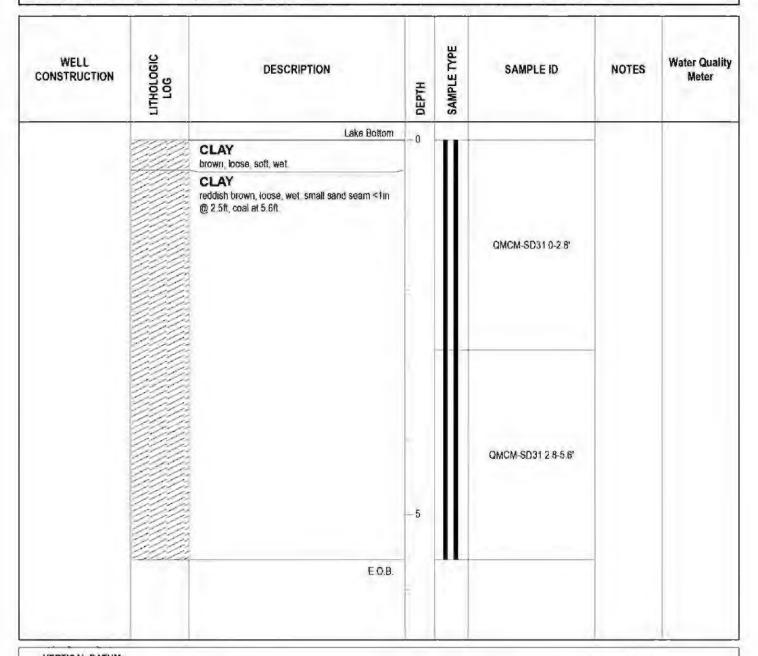
DRILL METHOD: Vibracore

TOTAL DEPTH: 5.6' in 35.6' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD31



VERTICAL DATUM: GRD, ELEVATION:

> T.O.C.: S.W.L.:

S.W.L.: CASING:

SCREEN:

WELL DEPTH: COMPLETION NOTES: LATITUDE: 47.145811832

LONGITUDE: -88.456895247

PROJECTION: MiGeoRef

NORTHING: 735567.629

EASTING: 313573.755



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 5.1' in 34.6' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD33

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	DEPTH	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	TELETE	Lake Bottom	-0	11			
		reddish brown, soft, loose, wet.			QMCM-SD33 0-2 5'		
		GRAVELLY SAND reddish brown, coarse grain, poorly sorted. SILTY CLAY reddish brown. Seam of black friable gravel sized. slag @ 3,25ft.					
		SILTY SAND brown, fine grain, well sorted, wet.	- 5		QMCM-SD33 2 5-5 1'		
		E.O.B					

VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATTTUDE: 47.145677793

LONGITUDE: -88,457051254

PROJECTION: MiGeoRef

NORTHING: 735553,109

EASTING: 313561.466



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST; B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4.3' in 33.9' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD34

LITHOLOGIC LOG	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
Tallatia	Lake Bottom	-0	-			
	reddish brown, loose, solt, saturated.		Ш	OMON COSA O B		
	GRAVELLY SAND reddish brown, coatse grain, poorly sorted, trace fines			GINICM-3034 V- 8		
	CLAY reddish brown, loose, soft, wet. Wood debris @ 1.75ft			QMCM-SD34 0.8-2.5'		
	GRAVELLY SAND reddish brown, coarse grain, poorly sorted, wet		Ш			
	No Recovery					
	500					
	E08	5				
	ГІТНОГОСІС	SILTY CLAY reddish brown, loose, soft, saturated. GRAVELLY SAND reddish brown, coarse grain, poorly sorted, trace fines CLAY reddish brown, loose, soft, wet. Wood debns @ 1.75ft GRAVELLY SAND reddish brown, coarse grain, poorly sorted, wet.	SILTY CLAY reddish brown, loose, soft, saturated. GRAVELLY SAND reddish brown, coarse grain, poorly sorted, trace fines CLAY reddish brown, loose, soft, wet, Wood debnis @ 1.75ft GRAVELLY SAND reddish brown, coarse grain, poorly sorted, wet. No Recovery	SILTY CLAY reddish brown, loose, soft, saturated. GRAVELLY SAND reddish brown, coarse grain, poorly sorted, trace fines CLAY reddish brown, loose, soft, wet. Wood debris @ 1.75ft GRAVELLY SAND reddish brown, coarse grain, poorly sorted, wet. No Recovery	Lake Bottom SILTY CLAY reddish brown, loose, soft, saturated. GRAVELLY SAND reddish brown, coarse grain, poorly sorted, trace fines CLAY reddish brown, loose, soft, wet. Wood debnis @ 1.75ft GRAVELLY SAND reddish brown, coarse grain, poorly sorted, wet. No Recovery EOS	Lake Bottom SILTY CLAY reddish brown, loose, solt, saturated. GRAVELLY SAND reddish brown, coarse grain, poorly sorted, trace fines CLAY reddish brown, loose, solt, wet. Wood debris @ 1.75ft QMCM-SD34 0 8-2.5' GRAVELLY SAND reddish brown, coarse grain, poorly sorted, wet. No Recovery

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN: WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.145464727

LONGITUDE: -88,457089469

PROJECTION: MiGeoRef

NORTHING: 735529,531

EASTING: 313557.829



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 33.6' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD35

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	IF IF IF	Lake Bottom CLAYEY SILT	-0	11			
		reddish brown, loose, solt, wet.		ш	QMCM-SD35 0-0.75'		
		GRAVELLY SAND reddish brown, coarse grain, poorly sorted, frim,		-4-	3,11,11,11		
		₩et		Ш	QMCM-SD35 0 75-1 5'		
		No Recovery					
			5				
		E O B					

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH: COMPLETION NOTES: LATITUDE: 47.145036800

LONGITUDE: -88.457132501

PROJECTION: MiGeoRef

NORTHING: 735482,096

EASTING: 313553.081



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 2.7' in 26.2' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD36

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
	22222	Lake Bottom	-0				
	共	SILTY CLAY reddish brown, loose, soft, wet.		I	QMCM-SD36 0-1.3' and FD		
		SILTY SAND reddish brown, fine grain, well sorted, wet	-	П			
		GRAVELLY SAND reddish brown, coarse grain, pooly sorted, wet			QMCM-SD36 1 3-1 7'		
		No Revovery	-				
		EOB					
			5				
			-				

VERTICAL DATUM: GRD, ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH: COMPLETION NOTES: LATITUDE: 47.144653222

LONGITUDE: -88,459241262

PROJECTION: MiGeoRef

NORTHING: 735444,487

EASTING: 313391.923



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST; B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 12.5' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD38

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		CRAVELLY SAND reddish brown, coarse grain, poorly sorted. No Recovery	0	11	QMCM-SD38 0-0 5'		
			5				
		EOB					

VERTICAL DATUM: GRD, ELEVATION:

> T.O.C.: S.W.L.:

CASING: SCREEN:

WELL DEPTH: COMPLETION NOTES: LATITUDE: 47.144618429

LONGITUDE: -88,457657222
PROJECTION: MiGeoRef

NORTHING: 735436,865 EASTING: 313511.85B



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 5' in 42' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD39

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	рертн	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom	-0				
		wel			QMCM-SD39 0-1 6"		
		SAND reddish brown, fine grain, well sorted, firm, wet.		П			
		CLAYEY SAND red - brown mottled, fine grain, well sorted, soft			QMCM-SD39 1,6-3.75		
		No Recovery		Ш			
		EOB	5				

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.144598701

LONGITUDE: -88,456799448

PROJECTION: MiGeoRef

NORTHING: 735432,640

EASTING: 313576.801



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 3.5' in 13.4' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD40

WELL CONSTRUCTION	LITHOLOGIC LOG	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter
		Lake Bottom GRAVEL AND SAND	0	11			
		Brown, coarse grain, small to large gravel, poorly sorted, wet			QMCM-SD40 0 0 6'		
		No Recovery	(== -				
		EGB					
			5				

VERTICAL DATUM: GRD, ELEVATION:

T.O.C.:

S.W.L.: CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.144659739

LONGITUDE: -88,459541619

PROJECTION: MiGeoRef

NORTHING: 735445,924

EASTING: 313369,181



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 6' in 20.3' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD41

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Qualit Meter
		Lake Bottom GRAVELLY SAND	0	11	QMCM-SD41 0-0 3'	Sample is composite of	
		No Recovery				two attempts both with a recovery of 0.3	
			5	5			
		EQB,					

VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.144394086

LONGITUDE: -88,459711839

PROJECTION: MiGeoRef

NORTHING: 735416,817

EASTING: 313355.356



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST; B. Eustice

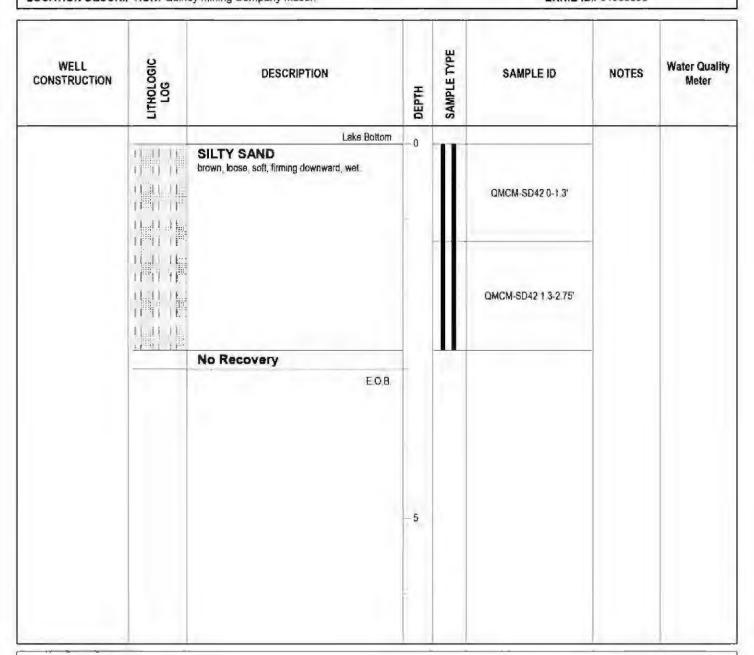
DRILL METHOD: Vibracore

TOTAL DEPTH: 3' in 24.3' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD42



VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.144393588

LONGITUDE: -88,459393784

PROJECTION: MiGeoRef

NORTHING: 735416,007

EASTING: 313379,460



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 23

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/12/17

DRILLER: B. Lower

GEOLOGIST; B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4.5' in 26.4' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD43

WELL CONSTRUCTION	LITHOLOGIC	DESCRIPTION	ОЕРТН	SAMPLE TYPE	SAMPLE ID	NOTES	Water Quality Meter	
		Lake Bottom	-0					
		SILTY SAND reddish brown, fine grain, soft to firm.			QMCM-SD43 0-0.9'			
		SILTY SAND reddish brown, fine grain, firm Less fines then above	=					
					QMCM-SD43 0.9-3"			
	11-47 11-	No Recovery		•				
				t				
		EOB	-5					

VERTICAL DATUM: GRD. ELEVATION:

> T.O.C.: S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.144495523

LONGITUDE: -88,459251025

PROJECTION: MiGeoRef

NORTHING: 735426.992

EASTING: 313390.835



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SECTION: 26

SITE: Abandoned Mining Wastes Torch Lake

DATE: 6/13/17

DRILLER: B. Lower

GEOLOGIST: B. Eustice

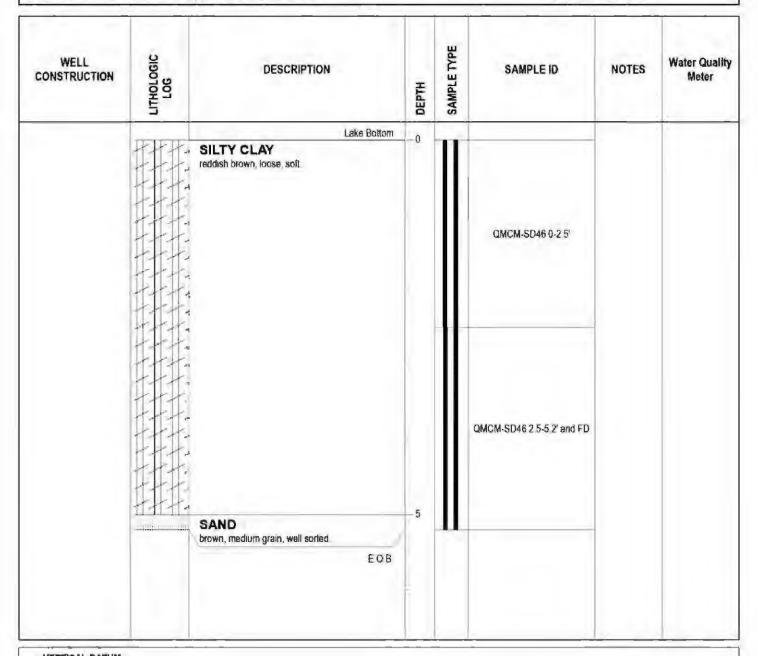
DRILL METHOD: Vibracore

TOTAL DEPTH: 5.2' in 27.6' of water

LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD46



VERTICAL DATUM: GRD, ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN: WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.139613980

LONGITUDE: -88,453960545

PROJECTION: MiGeoRef

NORTHING: 734872,179

EASTING: 313774.666



TOWNSHIP: Torch Lake

TOWN: 55N

RANGE: 33W

SITE: Abandoned Mining Wastes Torch Lake

DATE: June 9, 2016

DRILLER: B. Lower

GEOLOGIST: B. Eustice

DRILL METHOD: Vibracore

TOTAL DEPTH: 4' in 0.2' of water

SECTION: 23 LOCATION DESCRIPTION: Quincy Mining Company Mason

ERNIE ID# 31000098

BORING/WELL: QMCM-SD47/SW08

VERTICAL DATUM: GRD. ELEVATION:

T.O.C.:

S.W.L.:

CASING:

SCREEN:

WELL DEPTH:

COMPLETION NOTES:

LATITUDE: 47.151089977

LONGITUDE: -88,455311408

PROJECTION: Michigan GeoRef

NORTHING: 736150.206

EASTING: 313712.120