Itemized_Recon_20190211.xlsxAreaL_20190122

Site Investigation Report - Quincy Mining Company Portage Operations Area

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory **Quincy Mining Company Portage Operations Area** Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	E
Property (Common Name):	Former Amoco Tank Farm, Julio Contracting Company
Property Identification Number/Owner:	009-033-037-00, 006-032-026-00/Lawrence Julio
Inspection Date:	9/27/2018

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Area L was not identified on available Sanborn Maps; however, according to Monette's Dollar Bay, Michigan, Fifty-Fourth of a Local History Series (Monette, 2000), Dollar Bay Terminal Company erected three storage tank onsite in May of 1945. It was reported the welded steel gasoline tanks each had a capacity of 840,000 gallons, with dimensions of forty feet high and sixty feet in diameter. Dikes or firewalls surrounded each tank, while lake tankers were used to transport the product from Chicago refineries. Three additional tanks were added to the site, which increased storage for kerosene, diesel fuel, and three grades of gasoline. In May 1984, the owner/operator Amoco Oil Company closed the facility, selling the property to Julio Contracting Company of Ripley. The six tanks were dismantled in October 1994 after a tug-barge was used to drain the tanks. The tug-barge has also been observed at another Julio property along the Portage Canal. Other historic land use and/or mining operations are unknown. The current usage of the area is unknown, although it appears to be inactive. This property is bound to the south and east by residential properties. The Copper Heritage Trail is located to the north of the property, while an undeveloped wooded lot is located to the west. There is one building at the north corner on the property that includes a garage. Semi-tractor trailers, heavy equipment, fuel tanks of varying sizes and construction material are staged throughout the property. Sand, gravel and stamp sand piles are observed, along with large piles of sandstone construction debris. The topography is relatively flat towards the north; however, undulating hills that appear to be overgrown cobbler/boulder piles are observed to the southeast and central portions of the property. Access to the property is restricted by fencing.

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			1		Pot	tentially	y Abandone	ed Contai	ners								rial												
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 gallon container	35-40 ga drum		55 gall drum			ASTs/US 25-200 gall		ASTs/US >200 gall	llons	Pressurized Vessel/ Compressed	ito/Boat Fuel Tanks	,	riie Eximguishers	Other Items Suspect Asbestos	ig Material Process Materia	PCB/Mercury	e	ina/	Vegetation		Sampled 2018		on-friable				
Description Note	es:	Intact Not Intact	Intact	Not Intact	Intact	Not Intact, carcass	Intact	Intact	Not Intact	Intact	Not Intact	Cylinders	Auto/Boa	Batteries	lie Exili	Other Iter	Containing Residual Pr	Potential PCB/Me Containing Equip	Waste Pile	Outfalls Soil Stair	Stressed	Field Sample	Kecomme Field San	Targeted Sample	Asbestos Friable/No	Container Obs. Area	Recon Latitude	Recon Longitude	Observation Number
2- 55 gallon drum, rusted, intact, one split at bottom, bulged at bottom White Transite siding, black tar paper on building, deteriorated and on ground Pipe from building to ground, vent on top of building, suspect UST	ms may require characterization				2					1						2						N		QMCP-ASBBLK40		3	47.120173128		194 Cont121
1- 200 gallon fuel tank, cut on side, debris, trash inside 3- Electrical components, switches and bulbs on sheet									1													N	N			1	47.119887948	-88.508936	123 Cont122
metal, 2 on ground nearby (3 total) Gray metal meter on ground 1- Crushed rusted drum with orange pump at top Potential mercury light on building						1												4				N	N			1	47.119803759	-88.5088333	286 SHg005
red drum, appears intact, "synthetic blend engine oil" black rectangular fuel tank battery chargers with batteries black 5 gallon pails Empty drum carcass nearby concrete foundation	require characterization	2			2	1		1						2								N	N			6	47.119974822	-88.509411	140 Cont123
3- riveted tanks, 9'x20' approximately 1- red tank with manholes at top Open pipe with tar, releases on ground, soil staining in front, white and black insulation material 1- green 200 gallon diesel fuel tank, release on ground 1- orange tank SAC								1		4						1					1	Y	Y	QMCP-ASBBLK41 QMCP-SS56	Friable	5	47.119131790		176 Cont124
Fuel tank, 10'x25', appears intact 3- fuel tanks, 25'x10'd 1- green 200 gallon fuel tank on side	require characterization Total Item Count:	2 0	0	0	4	2	0	1 3	1	3 9	0	0	0	2 (1 2		4	0	0	1 (N	N	3		4 21	47.118683781 47.118911304		990 Cont125 600 Cont126

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory Quincy Mining Company Portage Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	G	
Property (Common Name):	Julio Contracting Company	
Property Identification Number/Owner:	006-166-01-00/Lawrence Julio	
Inspection Date:	9/25/2018	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):

Standard Oil Company operated at the northwest corner of the area according to the 1917 Sanborn Map. Other historic land use and/or operations are unknown following review of available historic Sanborn Maps and other resources. The area is currently the location of Julio Contracting Company and is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. A vacant lot is located to the west and the Dollar Bay Motor Sports property is located to the east. The ROW for the Copper Heritage Trail transects the property. At least two mining-era buildings, along with another building that appears to be used for company business are located on the property. Semi-tractor trailers, a crane and other heavy equipment are located on the property. Suspect asbestos containing materials, including asphaltic roofing material and potential thermal insulation material, along with abandoned drums are observed throughout the property. Topography is relatively flat, sloping gently to the Portage Canal. This is an unsecured area easily accessed by the public via the trail. Boat slips are located along the shoreline.

						Potential	ly Abandor	ned Con	tainers							a										
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 gal contair		35-40 gallon drums	55 (gallon ums	>55 gallon		USTs	ASTs/U >200 ga		Pressurized Vessel/ Compressed	Auto/Boat Fuel Tanks Batteries	Fire Extinguishers	uspect Asbestos ontaining Material	Residual Process Materia	e e	iing/ Vegetation	Physical Hazards Field Sample Recommendation	npled 2018		on-friable	er Count per			
Description	Natoo	Intact	Not Intact	Intact Not Intact	Intact	Vot Intact, carcass	Intact	Intact	Not Intact	Intact	Not Intact	Cylinders	Auto/Boa Batteries	Fire Extingu	uspect /	esidual otential	Waste Pile	Outfalls Soil Staining/ Stressed Vege	hysical lield Sam	Field Sample	Targeted Comple ID	Asbestos Friable/Non-	Container Obs. Area	Recon Latitude	Recon	Observation
Description Ditch running along the west side of property, metal	Notes:												A B	шС	SSS	<u> </u>)	s s	<u> </u>	<u> </u>	Targeted Sample ID QMCP-SS62) A H	00	Latitude	Longitude	Number
culvert under road, surface water appears to have an oily sheen	Same sheen observed, oily smell																	1	Y	Y	QMCP-SB/GW75 QMCP-SB/GW76		0	47.125531884	-88.552100436	Outfall009
Black coated piping with triangular shaped concrete- like inside	Potentially asbestos containing														1				Y	Υ	QMCP-ASBBLK19	Non-Friable	0	47.124968934	-88.551428794	SACM023
Lengths of pipe, with black coating material on outside, various lengths, diameters																1			Υ	N			0	47.125001605	-88.551545287	SPCB011
Green roofing on ground Tar paper, fibrous Silver coated tar paper	Material scattered throughout the area														1				Y	Y	QMCP-ASBBLK22 QMCP-ASBBLK23	Friable Friable	0	47.125226494	-88.551117164	SACM024
Darkened material on stamp sand near box equipment	Previously sampled, N flag																	1	N	N			0	47.125169779	-88.550949884	
1- Rusted drum, appears intact, bulging 1- AST, appears intact, upright, 200 gallon																							Ţ			
1- AST, split seem, on yellow equipment, 250 gallon	Drum may require characterization				1					1	1								N	N			3	47.125149138	-88.550860885	Cont076
White deteriorated material	SS13 was collected previously														1				Y	Υ	QMCP-ASBBLK24	Friable	0	47.125195714	-88.550757241	SACM025
2- heating oil tanks in the back of the dump truck																										
1- 55 gal drum, open spout, appears intact	Drum may require characterization				1			2							_				Y	N			3	47.125280603	-88.551185874	Cont077
5- 1 gallon plastic buckets, appears full, unknown contents																				l						
2- 55 gallon drum carcass, empty	May require characterization	5				2											-		Y	N			/	47.125346401	-88.551261059	Cont0/8
16- drums, appear to be intact 5- drums, appear split or open																										
1- heating oil tank, appears intact																										
2- 35 gallon drum, empty or split 1- gray pressure vessel																										
drum inside sandstone house	Drums may require characterization			2	17	5		1				1							1 N	Υ	QMCP-SS11		26	47.125258000	-88.551554000	Cont079
White material, deteriorated, in wooden box on	State may require origination zation				+ ''			<u> </u>		- 							\dagger			†	QMCP-ASBBLK20	Friable	20	17.123230000	30.001004000	3311077
sandstone building, on ground															1				Υ	Υ	QMCP-ASBBLK21	Non-Friable	0	47.125165837	-88.551156472	SACM026
Rusted 35 gallon drum, open at one end	May require characterization			1															N	N			1	47.125727433	-88.551707859	
3- 55 gallon drums, crushed, rusted, appear intact,																										
unknown contents																										
4- 55 gallon drums, crushed, open, unknown contents																										
1- 35 gallon drum, missing bottom	Drums may require characterization			1	7														N	N			8	47.125966913	-88.551686499	
Stained black soil																		1	Υ	N			0	47.125832318	-88.551328183	Soil007
2- 55 gallon drums, intact, "magic formula"																										
2- 55 gallon drums, open valve on one, other spilt and partially buried																										
2- 35 galling drums, appear open	May require characterization			2	2	2													N	Υ	QMCP-SS52		6	47.125823000	-88.551345000	Cont082

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

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Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Quincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	G	
Property (Common Name):	Julio Contracting Company	
Property Identification Number/Owner:	006-166-01-00/Lawrence Julio	
Inspection Date:	0/25/2019	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):

Standard Oil Company operated at the northwest corner of the area according to the 1917 Sanborn Map. Other historic land use and/or operations are unknown following review of available historic Sanborn Maps and other resources. The area is currently the location of Julio Contracting Company and is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. A vacant lot is located to the west and the Dollar Bay Motor Sports property is located to the east. The ROW for the Copper Heritage Trail transects the property. At least two mining-era buildings, along with another building that appears to be used for company business are located on the property. Semi-tractor trailers, a crane and other heavy equipment are located on the property. Suspect asbestos containing materials, including asphaltic roofing material and potential thermal insulation material, along with abandoned drums are observed throughout the property. Topography is relatively flat, sloping gently to the Portage Canal. This is an unsecured area easily accessed by the public via the trail. Boat slips are located along the shoreline.

						Potentia	Ily Abando	ned Con	tainers							al										
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 (cont	-	35-40 gallo drums		5 gallon drums	>55 gallor		USTs	ASTs/ >200 g		Pressurized Vessel/ Compressed	Fuel Tanks	guishers	1S sbestos	g Material Process Materi	PCB/Mercury g Equipment	ing/ Vegetation	Hazards ple ndation	pled 2018		n-friable	r Count per			
Description	Notes:	Intact	Not Intact	Intact Not Intact	Intact	Not Intact, carcass	Intact	Intact	Not Intact	Intact	Not Intact	Cylinders	Auto/Boat Batteries	Fire Extinguis	Other Items Suspect Asbea	Containing Residual Pr	Potential PCB/I Containing Equ Waste Pile	Outfalls Soil Staining/ Stressed Vege	Physical Haz Field Sample Recommend	Field Sam	Targeted Sample ID	Asbestos Friable/No	Containe Obs. Area	Recon Latitude		Observation Number
1- 35 gallon drum attached to cement mixer 4- 55 gallon drums, one with holes in top, others appear intact Soil staining near parked equipment Area includes three active ASTs on north side of drive, stained soil throughout area	Drums may require characterization			1	2	1				3								1	N	N			8	47.125408000	-88.550641000	Cont083
ight ballast	Drums may require characterization			<u> </u>		<u>'</u>				J							1		Y	N			0	47.125250113	-88.550282209	
Includes: 1- 35 gal drum carcass, open empty 2- 55 gal drums in work trailer, appear intact	May require characterization			1	2													1	N	N			3		-88.550118000	
Black paper with silver paint, deteriorated, falling off building 36'x45'x30'																1			Υ	Υ	QMCP-ASBBLK25	Non-Friable	0	47.124964096	-88.550507296	SACM027
Includes: 1- 5 gallon pail, empty Black box on equipment, white material at welding Black SACM on ground	Box may require characterization		1													1			N	N			1	47.125102128	-88.550552844	Cont085
l- 35 gallon rusted drum, crushed, partially buried, no op visible 2- 5 plastic container, one red, appears full	Total Item Cour	2		1															N	N			3		-88.549991836	

Site Investigation Report - Quincy Mining Company Portage Operations Area

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

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Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory

Ouincy Mining Company Portage Operations Area

Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	1	
Property (Common Name):	Julio Contracting Company	
Property Identification Number/Owner:	006-031-034-00/Lawrence Julio	
Inspection Date:	9/25/2018 & 9/26/2018	

General Property Description (Significant Landscape Features, Topography, Cover, Etc..): Portage Boiler Works operated within Area I in 1907 according to historical Sanborn review and by 1928 Lake Superior Iron and Metal Company operated at the site. The 1949 Sanborn Map depicts Area I was used for scrap iron storage and was the location of the J.H. Green Company; however, the nature of the company is unknown. The area is currently the location of various metal scrap and machinery, and is operated in conjunction with Julio Construction Company and Julio Marine and Salvage. This property is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. The Wuebben property is located to the west, and H&Y Marina is located to the east. At least one mining-era building that is identified on the 1907 Sanborn map as a boiler house remains on the property, with one other additional wooden structure that appears to have been a residence. Semi-tractor trailers and other heavy equipment are located on the property. Suspect asbestos containing materials, including Transite tile, gasket material, boiler insulation, and roofing material are observed throughout the property and nearby trail. Abandoned containers with unknown contents, fuel tanks of various sizes and piles of electrical and suspect PCB and mercury containing equipment were also observed in proximity to the trail. Piles of what appear to be construction and rock debris are located near the shoreline; however, general, topography is relatively flat, sloping gently to the Portage Canal. While the road entrance is secured with a gate, the area is easily accessed by the public via the ROW for the Copper Heritage Trail that transects the property. A cellular tower operated by Verizon is located in a fenced area in the central portion of the property.

																1						
				Potenti	ally Abando	ned Contai	ners					lial										
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 gallon container	35-40 gallon drums	55 gallon drums	>55 gallor drums	ASTs/US 25-200 gall		STs/USTs 00 gallons	Pressurized Vessel/ Compressed	t Fuel Tanks	Fire Extinguishers	Suspect Asbestos Containing Material Residual Process Mater	Potential PCB/Mercury Containing Equipment Waste Pile	ing/ Vegetation	Physical Hazards Field Sample Recommendation	Sampled 2018		Asbestos Friable/Non-friable	r Count per			
Description	Notes:	Intact Not Intact	Intact Not Intact	Intact Not Intact, carcass	Intact	Intact	Not Intact Intact	Not Intact	Cylinders	Auto/Boat F Batteries	Fire Extingu	Suspect / Containin Residual	Potential Po Containing Waste Pile	Outfalls Soil Staining/ Stressed Vege	Physical Hazards Field Sample Recommendation	Field Sam	Targeted Sample ID	Asbestos riable/No	Container Obs. Area	Recon Latitude	Recon Longitude	Observation Number
Black and white wrapped around metal pole	Tioles.									\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1		0, 0,	Y	Y		Friable	0	47.124590014	-88.547494748	
Rusted metal Container with black gasket and bolted												+ ' +	+ +			-	QWOT NOBBERZO	Tilable	-	47.124370014	00.347474740	SHOWOZO
metal top, partially buried, potentially oil filled	No visible soil staining												1		Υ	Υ	QMCP-SS53		0	47.124524459	-88.547108993	SPCB013
White TSI material, deteriorated	The theilere dem examining											1			Y		QMCP-ASBBLK28	Friable	0	47.124569494	-88.547021217	
·																	QMCP-ASBBLK29	Non-Friable				
Metal canister with no lid in pile of electrical debris, no																	QMCP-RPM05					
other suspect transformers, capacitors visible	Pile on hillside, mixed with gravel												1		Υ	Υ	QMCP-SS54		0	47.124496000	-88.546851000	SPCB014
Gasket material on orange pipe 2LF visible																						
Black/white fibrous belt, 3LF visible					1																	
Black roofing on ground, 1SF					1																	
Crystalline fibrous material on pipe, long fibers																						
1- open 55 gallon drum																						
1- intact drum near SS16,																						
1- Black fuel tank, 60 gallon																						
1- Rust orange, 50 gallon	SACM																QMCP-ASBBLK27	Friable				Cont087
1- Rectangular fuel tank, 6 gal	Drum may require characterization			2						3		1			Y	Υ	QMCP-SS16		5	47.124426000	-88.547301000	SACM030
Green and black coating on metal pipe	potentially PCB containing												1		Υ	N			0	47.124415668	-88.547040839	SPCB015
Black with white corrugated material, deteriorated in															.,,	.,	01400 40001 1/05			17.10.1505700	00 54/077057	0.4.03.4004
piles		+ +		1								1			Y	Y	QMCP-ASBBLK35	Non-Friable	0	47.124505723		SACM031
Fabric coated black rubber coated piping				1								1			Υ	Y	QMCP-ASBBLK36	Friable	0	47.124494190	-88.545816628	SACM032
1- Riveted tank on skid, open at one end 9'x5'x2.5'							1								N	NI			1	47.124379452	-88.545386041	ContOOO
1- AST 6'x6'diam holes on side		+ +		+ + +				-					+ +		IN	IN			'	47.124379432	-00.343300041	CUITUOO
1- fuel tank, 60 gallon																						
1- fuel tank, black, 100 gallon								1		2					N	N			3	47.124239820	-88.545599458	Cont089
2- fuel tanks on side 27'x11'dia, 30'x11'dia								-		-		-			14	14			3	47.124237020	00.545577450	Contoo
3- vertical 18'x10'dia																						
2- fiberglass tanks, 9'x8'dia																						
1- yellow propane tank, 16'x42" diameter																						
1- smaller fuel tank on side, with cut, 12'x64" dia																	QMCP-SS20					
1- 55 gal drum, appears empty	Characterization may be required			1			8		1						1 N	Υ	QMCP-SS39		10	47.124087000	-88.545412000	Cont090
2- AST on ground, appear intact, 21'x9'dia																						
1- AST vertical, N top, trees growing through	May require characterization				1		2								N	N			3	47.124205866	-88.547634381	Cont092
Silver fuel tank on side, open vent								1							N	N			1	47.123691863	-88.547396933	Cont093
Rusted drum, hole in top, partially buried, 55 gal					1																	
White Transite board with black mastic, broken in	Drum may require characterization				1													l				Cont094
pieces, 1CY	SACM			1	1	\bot						1			Υ	Υ	QMCP-ASBBLK39	Non-Friable	1	47.123598564	-88.546761521	SACM033
4 ASTs welded together as a barge, appear intact, but																						
sounds empty	Car battery on ground nearby				1	+		4		1					N	N			4	47.123675301	-88.546764640	
1- 250 gallon AST, open hole on side	NA		+ +		1	+-+		1	-						N	N			1	47.123792734	-88.546821776	Cont096
1- 60 gal fuel tank on side, appears intact	May require characterization				1	+				1	 	+ +			N	N			1	47.123672740	-88.547128111	Cont097
Brown sand with black staining, oil odor, partially					1										Y	Y	OMCD SSEE		0	47 1227/0000	00 E44077//0	CallOO
buried	9-1-11	<u> </u>				<u> </u>									Į Y	Y	QMCP-SS55	L	U	47.123/60089	-88.546977660	SUIIUUX

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

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Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Ouincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	1	
Property (Common Name):	Julio Contracting Company	
Property Identification Number/Owner:	006-031-034-00/Lawrence Julio	
Inspection Date:	9/25/2018 & 9/26/2018	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): Portage Boiler Works operated within Area I in 1907 according to historical Sanborn review and by 1928 Lake Superior Iron and Metal Company operated at the site. The 1949 Sanborn Map depicts Area I was used for scrap iron storage and was the location of the J.H. Green Company; however, the nature of the company is unknown. The area is currently the location of various metal scrap and machinery, and is operated in conjunction with Julio Construction Company and Julio Marine and Salvage. This property is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. The Wuebben property is located to the west, and H&Y Marina is located to the east. At least one mining-era building that is identified on the 1907 Sanborn map as a boiler house remains on the property, with one other additional wooden structure that appears to have been a residence. Semi-tractor trailers and other heavy equipment are located on the property. Suspect asbestos containing materials, including Transite tile, gasket material, boiler insulation, and roofing material are observed throughout the property and nearby trail. Abandoned containers with unknown contents, fuel tanks of various sizes and piles of electrical and suspect PCB and mercury containing equipment were also observed in proximity to the trail. Piles of what appear to be construction and rock debris are located near the shoreline; however, general, topography is relatively flat, sloping gently to the Portage Canal. While the road entrance is secured with a gate, the area is easily accessed by the public via the ROW for the Copper Heritage Trail that transects the property. A cellular tower operated by Verizon is located in a fenced area in the central portion of the property.

					D 1 1												_											
					Potenti	ally Ab	oandoned C	Container	S								erial /											
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 gallon container	35-40 gal drums		55 gallon drums		gallon AS ums 25-2	STs/USTs 200 gallons	AST >200	s/USTs gallons	Pressurized Vessel/ Compressed	at Fuel Tanks		Fire Extinguishers	ms	Sontaining Material	sidual Process Materia ential PCB/Mercury	e le		Vegetation Hazards	7	mmendation Sampled 2018		Asbestos Friable/Non-friable	er Count per a			
Description	Notes:	Intact Not Intact	Intact	Not Intact	Intact Not Intact, carcass		Intact	Not Intact	Intact	Not Intact	Cylinders	Auto/Boat Fuel	Batteries	ire Extir	Other Items	Containir	Residual Proce Potential PCB/ Containing Eq	Waste Pile	Outfalls		ield Sample	응니 필	Targeted Sample II	Asbestos rriable/N	Container Obs. Area		Recon Longitude	Observation Number
1- fuel tank on side, appears intact, "<10% LEL Do not reuse gasoline" 7.5'x3'dia									1							, 0				., 0, 1	_	N	rai gotoù oampio ii		1	47.123672394	-88.546340223	
Potential capacitors in shed, potentially pump starters, inaccessible on wall)						1				N	I N			0	47.123908747	-88.545679046	
1- grey truck fuel tank, oblong, 12'x6'x4' 1- rusted fuel tank, 5'x4'dia	May require characterization Grey tank appears to be leaking, SS19 collected previously, VOC reading 1ppm								1	1											N	I Y	QMCP-SS19		2	47.123904027	-88.545663557	Cont099
1- fuel tank, upright, hole at top, black tar coated insulation on one side, 10'x10'dia	SACM								1							1					Y	, Y	QMCP-ASBBLK38	Friable	1	47.124059762	-88.546229685	Cont100
Includes: Hot oil heater with two tanks, rusted, SACM insulation Orange heater with two tanks, with oil, SS40 previously collected, SACM insulation underneath, 3-fuel tanks on 12'x4'dia, 18'x64" diameter, 6'x4'dia Rectangular fuel tank, 6'x2.5'x1', 'gas' on lid Drum, 100 gallon on side Fuel tank on side, holes on top, 5'x3.5'dia Asphalt tank, 7'x4'dia Yellow trailer with 3 tanks Crushed drum, rusted, with holes, contents unknown					1		1 2		10			1				2						Y	QMCP-ASBBLK37 QMCP-SS40	Friable	15	47.123852000	-88.546364000	Cont101
Tanker fuel Container, riveted, rusted, white paint peeling, oil leaking from valve at bottom	LBP, SS near valve								1												Y	Y	QMCP-SB/GW31		1	47.123972154	-88.546967842	Cont102
10- 55 gallon drums 1- 10000 gallon tank 1- 6000 gallon tank	May require characterization Inside building, inaccessible				10				2												N	I N			12	47.124013320	-88.547056695	Cont103
3- 250 gallon fuel oil tanks, 1- 400 gallon tank Ovens, with SACM gasket material 1- 55 gal drum, hole at bottom, crushed 1- 500 gal fuel tank	May require characterization Gasket scam				1				5							1						N			6	47.124302000	-88.547068000	Cont104
2- rectangular fuel tanks, cut on side, sheen on tank, diesel-like smell, 1ppm 1- Heater with tank, electrical components, cylinder, unknown device	house w/ roofing								2						1		1				Y	,	QMCP-ASBBLK30 QMCP-ASBBLK31 QMCP-ASBBLK32 QMCP-ASBBLK33 QMCP-ASBBLK34	Non-Friable Non-Friable Non-Friable Friable))	47.124274773	-88.546164396	Cont105
Roofing material, deteriorated, falling from wooden structure, red, white, green black tar paper, 20'x12'x8' Potential fire doors, with black layered material inside, 3 sheets, 20'x14'	Total Item Count:	0 0		0	12 4		1 2	0		9	1	7	1	0	1	1 11	0 5	0	0	1 1		N	24		0 70		-88.546052070	

Site Investigation Report - Quincy Mining Company Portage Operations Area

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Ouincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	N	
Property (Common Name):	Dollar Bay Wire Mill	
Property Identification Number/Owner:	009-033-055-00/Lawrence Julio	
Inspection Date:	9/26/2018	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The parcel was identified as Tamarack and Osceola Copper Manufacturing Company on the 1907 Sanborn Map. It was the location of John A. Roebling's Sons Copper Manufacturing and Foley Copper Products Company Copper Wire Mill in 1928 and 1949, respectively. The EPA as part of the Torch Lake Superfund Site remedial action capped portions of Area M, N, and O. Dollar Bay Torch Lake EPA Superfund Site as-built drawings (USDA NRCS, 2004) indicate that the cap was placed as part of the Torch Lake Superfund Site Dollar Bay remedial action. The Fourth Five-Year Review Report for the Torch Lake Superfund Site (USEPA, 2018) indicated that construction was completed in 2002; however, the Dollar Bay parcel has not been deleted from the NPL. The capped areas are subject to an on-going DEQ O&M plan. The balance of the areas were not addressed as part of the Torch Lake Superfund Site remedial action. The area is currently the location of mining-era buildings; however, specific present day use is unknown. The property includes portions of the former wire mill operations. The parcel is bound by the Portage Canal to the west and south, by wooded property to the east and residential and privately owned properties to the north and north-west. Many mining-era buildings, some that appear to be used for boat storage, are present in the central portion of the property. Additional boats, heavy equipment and other vehicles are located north of the property buildings. Suspect asbestos containing materials, including roofing, thermal insulation material are observed throughout. Abandoned containers with unknown contents, fuel tanks of various sizes, including a tanker trailer along the shoreline, are also observed both inside and outside of property buildings. A large pile that appears to be building construction material is located near the shoreline. Topography is relatively flat, sloping gently to the Portage Canal and Lake. Public access to the prope

						D-44'-1	II A la a .a al a	! 0!																			
						Potential	ily Abando	ned Containers								erial /											
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 gallo containe		35-40 gallon drums		gallon rums	>55 gallon drums	ASTs/USTs 25-200 gallons	ASTs/US >200 gallo	ons	Pressurized Vessel/ Compressed	Auto/Boat Fuel Tanks	Batteries Fire Extinguishers	Su	Suspect Asbestos Containing Material	Residual Process Materia Potential PCB/Mercury	g Equipment e		Soil Staining/ Stressed Vegetation	ical Hazards	Recommendation Field Sampled 2018		Asbestos Friable/Non-friable	r Count per			
		Intact		Intact ot Intact	Intact	ot Intact,	Intact	Intact ot Intact	Intact	ot Intact	Cylinders	uto/Boal	Batteries Fire Extin	her Iten	spect A	sidual I	Containing Waste Pile	utfalls	oil Stain ressed	Physical F	eld Sam		sbestos iable/No	Container Obs. Area		Recon	Observation
Description	Notes:	2	2	z		2 0		z		z		ΑF	B ₂	oth	ನ ಏ	P. P.	ე §	ō	S ts	<u>È</u> i	F & F	Targeted Sample ID	As	0 8	Latitude	Longitude	Number
Burn area with tree branch debris, household trash, plastic, roofing, at least one area with white TSI material on ground, evidence of past burn pile with overgrown weeds to the east, darkened coarse soil	SACM, SS														1		1		1		YY	QMCP-SS57 QMCP-SS58 QMCP-SS59 QMCP-SS60 QMCP-ASBBLK50 QMCP-ASBBLK51 QMCP-ASBBLK52	Non-Friable Non-Friable Friable	0	47.124186000	-88.547661000	WP005
White fibrous material on ground, deteriorated, 6SF																											
Black tar roofing nearby, 2SF	none	\vdash												1 1	1			╂			Y N			0	47.113732912	-88.498269910	SACM035
3- propane tanks 12- 55 gallon drums, appear intact, some gray, some rusted 1- 40 gallon blue drum with holes in top	Drums may require characterization			1	12						3									3	N N			16	47 113845000	-88.499022000	Cont106
2 -55 gallon drums as vacuum 1- white 6000 gallon truck tanker 2- yellow 500 gallon fuel tanks Black Tar paper SACM on ground, 3SF 1- green heating oil tank on side 6- hot water tanks, gray 3- hot water tanks, white w insulation Black and white deteriorated material attached to board, 100SF Silver mastic on pipe, 3SF 1- crushed, rusted drum, unknown contents 1- black and rusted, partially crushed drum 1- red, rusted drum, appears open at end	Honeycomb piping observed				4	1			4					9	2						N N			9	47.113772000	-88.500516000	Cont107
Inside shed: white vacuum vessel, Yellow filter, 100 gallon Oblong tank, 100 gallon Gray smooth sided drum 55 gallon Rusted fuel tank 500 gallon Black tar material on pipe, 9x25' 7- truck fuel tanks, various sizes Rusted drum, appears intact Black w silver roofing on ground and building roof Silver truck tanks White TSI material on ground Crushed drum 3-55 gallon drums, 1-40 gallon drum, appears intact Red roofing on ground Yellow brick siding				1	5	1		2		1	1	7			1					1	YN			18	47.114166000	-88.500502000	Cont108

Site Investigation Report - Quincy Mining Company Portage Operations Area

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Ouincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	N	
Property (Common Name):	Dollar Bay Wire Mill	
Property Identification Number/Owner:	009-033-055-00/Lawrence Julio	
Inspection Date:	9/26/2018	

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,): The parcel was identified as Tamarack and Osceola Copper Manufacturing Company on the 1907 Sanborn Map. It was the location of John A. Roebling's Sons Copper Manufacturing and Foley Copper Products Company Copper Wire Mill in 1928 and 1949, respectively. The EPA as part of the Torch Lake Superfund Site remedial action capped portions of Area M, N, and O. Dollar Bay Torch Lake EPA Superfund Site as-built drawings (USDA NRCS, 2004) indicate that the cap was placed as part of the Torch Lake Superfund Site Dollar Bay remedial action. The Fourth Five-Year Review Report for the Torch Lake Superfund Site (USEPA, 2018) indicated that construction was completed in 2002; however, the Dollar Bay parcel has not been deleted from the NPL. The capped areas are subject to an on-going DEQ O&M plan. The balance of the areas were not addressed as part of the Torch Lake Superfund Site remedial action. The area is currently the location of mining-era buildings; however, specific present day use is unknown. The property includes portions of the former wire mill operations. The parcel is bound by the Portage Canal to the west and south, by wooded property to the east and residential and privately owned properties to the north and north-west. Many mining-era buildings, some that appear to be used for boat storage, are present in the central portion of the property. Additional boats, heavy equipment and other vehicles are located north of the property buildings. Suspect asbestos containing materials, including roofing, thermal insulation material are observed throughout. Abandoned containers with unknown contents, fuel tanks of various sizes, including a tanker trailer along the shoreline, are also observed both inside and outside of property buildings. A large pile that appears to be building construction material is located near the shoreline. Topography is relatively flat, sloping gently to the Portage Canal and Lake. Public access to the prope

								10						_	_													_
					P	otentiall	lly Abandor	ed Containers	1							erial												
Not be to filled with cores associate visible		1-25 gallon	35.4	0 gallon	55 a:	allon	>55 gallon	ASTs/USTs	ASTs/	eT2II		uel Tanks		•		Residual Process Materia	nent carry			5		8		d)	per			
Not Intact = filled with scrap, appears or is visibly		container		rums	9	ims		25-200 gallons			Pressurized	I Ta	Jers	2	stos	SSE	i i			tati	ion	2018		able	tr			
empty, carcass, major holes, rusted with holes, split seams							u. u.i.o		1 3		Vessel/	en-	1	<u> </u>	bes	000	9 🖺		/g	ed Vegel al Hazar	dat	Sampled		ı-fri	Count			
seams											Compressed	at	S	y 8	t As		ing in		. <u> </u> <u>:</u>		lmp nen	d m		os Nor				
		act	act	Intact	tact	ntact, cass	act	act	act	Intact	Cylinders	Auto/Boat F	erie Fxt	Lvii	pec	idus id	tain tain		Sta	sse	d Sample	d Sa		estc ble//	tainer . Area	Recon	Recon	Observation
Description	Notes:	Ini	Ξ	Not	ul	Not I can	Ξ	Ini	iii	Not		Aute	Batteries Fire Extinguishers	Othe	Suspect Asbestos	Res	Containing Equipment) I	Soil Staining/	Stres Physi	Field	Field	Targeted Sample ID	Asbestos Friable/Non-friable	Cont Obs.	Latitude	Longitude	Number
2-55 gallon drums, one upright with tree, second on																												
side, suspect white SACM filled																												
2-50 gallon tanks, partially buried	SACM in drum				3	1									1						Υ	Υ	QMCP-ASBBLK57	Friable		4 47.114198489	-88.501053103	Cont109
Area on south end of building used for boat storage,																												
debris piles of building material																												
Black roofing with silver paint																							QMCP-ASBBLK53	Friable				
Red roofing																								Non-Friable				
Black tar paper																								Non-Friable				
Concrete side of building															1						Υ	Υ	QMCP-ASBBLK56	Non-Friable	(47.114210000		
Fuel tank on shoreline, two open vents, 21'x9'	May require characterization									1											N	N				1 47.114358199	-88.501331821	Cont110
4 fuel tanks welded together to form two barges,																					l							
18'x4.5'dia, sound empty										4											N	N				4 47.115267167	-88.500025972	Cont111
Silver/gray riveted tank, 10'x3'd																												
2-Rusted riveted tanks, 19'x4'd, 16'x4'd, 21'x6'd,																												
5′x2.5′d																												
Silver fuel tank, 200 gallon																												
Yellow fuel tank, 200 gallon																												
Larger rusted, riveted tank, 31'x7'd																												
2-Rusted fuel tank, 6'x4'd																												
Black rusted fuel tank, 5'x3.5'd																												
Black/silver fuel tank, 18'x64"d																												
Fuel tank w white end, 9'x64"																												
200 gall fuel tank in concrete																												
Black fuel tank, 20.5'x8', 8000gallon																					l							
Rusted fuel tank, 23'x10.5'd	May require characterization							3	13												N	N			10	47.114511000	-88.500617000	Cont112
3- 200 gallon fuel tanks, 1 open at top																												
1- 100 gallon tank black residue at end																												
6- 55 gallon drums,																												
1-200 gallon fuel tank inside building																												
13- 55 gallon drums, 9 appear intact, unknown	Druma may require abaracterization				15	4		4 1													N	N				47 1145 41000	00 500330000	Cont112
contents, rest open or split	Drums may require characterization			+	15 31	4		4 1	 							+ +		-			N N	N N			24			Cont113 Cont114
31- 55 gallon drums, most appeared intact 2- 55 gallon drums, one green with holes, one red	Drum may require characterization			+	51										-	+		-			IN	IV			3	1 47.114349000	-88.499013000	CONLIT4
bulging "hydraulic"	May require characterization				1	1															N	N				2 47.114697767	-88.498739047	Cont115
pulging hydraulic	iviay require characterization			+ -	I				1				-+	_		+	-	+		-	IN	IN	OMCD ACRDUKAS	Friable	+ -	47.114097707	-00.470/3704/	CUILLID
																								Friable Non-Friable		1		
																								Non-Friable				
Steam pipe with white TSI coming out of ground, also																							QMCP-ASBBLK45	Friable				
at west end of building, roofing, siding																								Non-Friable				
																							QMCP-ASBBLK47	Friable				
	SACM														1						N	v	QMCP-ASBBLK49	Friable		47.114649687	_88 V08E38011	SACM037
L	SACIVI	ll		1			1									1 1					IV	T	QIVICE-MODDLN49	i Havie		47.114049087	-00.470330911	SHCIVIUS/

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

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ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Ouincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	N	
Property (Common Name):	Dollar Bay Wire Mill	
Troperty (common name).	Donal Bay Wile Will	
Property Identification Number/Owner:	009-033-055-00/Lawrence Julio	
Inspection Date:	9/26/2018	

General Property Description (Significant Landscape Features, Topography, Cover, Etc..): The parcel was identified as Tamarack and Osceola Copper Manufacturing Company on the 1907 Sanborn Map. It was the location of John A. Roebling's Sons Copper Manufacturing and Foley Copper Products Company Copper Wire Mill in 1928 and 1949, respectively. The EPA as part of the Torch Lake Superfund Site remedial action capped portions of Area M, N, and O. Dollar Bay Torch Lake EPA Superfund Site as-built drawings (USDA NRCS, 2004) indicate that the cap was placed as part of the Torch Lake Superfund Site Dollar Bay remedial action. The Fourth Five-Year Review Report for the Torch Lake Superfund Site (USEPA, 2018) indicated that construction was completed in 2002; however, the Dollar Bay parcel has not been deleted from the NPL. The capped areas are subject to an on-going DEQ O&M plan. The balance of the areas were not addressed as part of the Torch Lake Superfund Site remedial action. The area is currently the location of mining-era buildings; however, specific present day use is unknown. The property includes portions of the former wire mill operations. The parcel is bound by the Portage Canal to the west and south, by wooded property to the east and residential and privately owned properties to the north-west. Many mining-era buildings, some that appear to be used for boat storage, are present in the central portion of the property. Additional boats, heavy equipment and other vehicles are located north of the property buildings. Suspect asbestos containing materials, including roofing, thermal insulation material are observed throughout. Abandoned containers with unknown contents, fuel tanks of various sizes, including a tanker trailer along the shoreline, are also observed both inside and outside of property buildings. A large pile that appears to be building construction material is located near the shoreline. Topography is relatively flat, sloping gently to the Portage Canal and Lake. Public access to the property is res

						Poten	tially Aband	oned Co	ntainers							al										
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 g		35-40 gal		55 gallon drums			s/USTs 0 gallons	ASTs/ >200 g		Pressurized Vessel/ Compressed	Fuel Tanks	guishers	St	spestos g Material Process Materi	PCB/Mercury g Equipment	ning/ Vegetation	lazards ple	pled 2018		on-friable	r Count per			
Description	Notes:	Intact	Not Intact	Intact	Not Intact	Intact Not Intact,	carcass	Intact	Not Intact	Intact	Not Intact	Cylinders	Auto/Boal	Fire Extin	Other Item	Suspect A Containin Residual I	Potential Containin Waste Pile	Outfalls Soil Stain Stressed	Physical Field Sam	Field Sam	Targeted Sample ID	Asbestos Friable/No	Containe Recon Latitude	Lo	ongitude	Observation Number
White TSI in pumphouse	Inaccessible															1			N	N			0 47.114	50387 -8	88.498686562	SACM038
1- green 200 gallon fuel tank 1- silver propane tank Silver painted material on metal building 1- rusted black 200 gallon fuel tank 1- Green/red 200 gallon fuel tank 2- 55 gallon drum, rusted, appear intact 12- 55 gallon drums, 2 open or rusted at top, rest appear intact, newer 4- rusted 200 gallon fuel tank, appear intact 4- Texaco drums, 27"x14" 'Marfak heavy duty 2' 1- black steel tank, 34"x16"x14" 22- 55 gallon drums, appear intact		4		1		34 2		8				1				1			1 N	N			50 47.114!	556000 8	88.498376000	Cont116
Silver painted material on metal arch building Tan brick and tan an red brick material on adjacent building, with black board underneath																										
Red roofing Boat Control panels, potentially PCB Containing	SACM Note to open up														-	1	1		Y	Y	QMCP-ASBBLK48	Non-Friable			88.498569485 88.498615216	
boat control paricis, potentially r CD Containing	Note to open up																		T	IN			0 47.114	000412 -0	00.470013210	SFCBUT/

Total Item Count: 4 0 3 0 105 10 0 17 1 17 6

Page 3 of 3

5 7 0 0 9 11 0 1 1 0 1 5

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory **Quincy Mining Company Portage Operations Area** Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	D
Property (Common Name):	Julio Marine & Salvage
Property Identification Number/Owner:	006-136-002-00/Lawrence Julio
Inspection Date:	9/14/2018 9/17/2018 9/18/2018 9/19/2018 9/25/2018

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):

Historic mining-era operations include the Portage Lake Foundry and Machinery operating within the area until at least 1949 based on review of Sanborn Maps. Julio Marine & Salvage currently operates at the location. This property is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. The Quincy Smelting Works is located to the west, and a relatively undeveloped property that appears to be used for boat storage is located to the east. The ROW for the Copper Heritage Trail transects the property. At least two sandstone buildings that appear to be of mining-era remain in dilapidated condition. Operations in the area include a recycling facility that entails piles of assorted debris and equipment, some sorted for recycling purposes. Semi-tractor trailers and other heavy equipment are located on the property. Suspect asbestos containing materials, including asphaltic roofing material and potential thermal insulation material, along with abandoned containers, compressed gas cylinders, piles of electrical and suspect PCB and mercury containing equipment, residual processing material, and suspect burn areas are present throughout the property. Topography is relatively flat, sloping gently to the Portage Canal. This is an unsecured area easily accessed by the public via the Copper Heritage Trail that transects the property. In addition, signage indicates that access to the facility may have been permitted for recycling drop-off.

			1		Potential	ly Abandoi	ned Conta	ainers							rial											
Not Intact = filled with scrap, appears or is visibly empt carcass, major holes, rusted with holes, split seams	I.	1-25 gallon container	35-40 gall drums		5 gallon drums	>55 gallon drums	ASTs/U 25-200 ga		ASTs/U >200 ga	llons	Vessel/	Fuel Tanks	Batteries Fire Extinguishers	SL	ect Asbestos aining Material lual Process Mater	CB/	1)	Soil Staining/ Stressed Vegetation	Physical Hazards Field Sample	Sampled 2018		nn-friable	r Count per			
		Intact ot Intact	Intact	ot Intact Intact	ot Intact,	Intact	Intact	ot Intact	Intact		Cylinders	Auto/Boat	Batteries Fire Extin	Other Iten	spect Antainin	Potential P	aste rin	il Stain ressed	lysical H	Kecomme Field Sam		Asbestos Friable/No	Container Obs. Area	Recon	Recon	Observation
Description	Notes:	Ž		Ž	žΫ			Ž		Ž		ΑΓ	Ba ii	ō	N 00 8	8 0 3	šō	S ±	문 발	影	Targeted Sample ID	As	0 8	Latitude	Longitude	Number
Yellow and blue, bottom and top intact, unopened,																										
closed head, dented on side "Bruin" script on side	May require characterization			1															Y	N			1	47.126290521	-88.560025662	2 Cont003
Drum carcass, rusted, crushed, appears empty, soil on					1														NI.	N			1	47 10/1051/0	00 5/033//03	ContOO4
drum carcass is same as around, potentially flooded White board with peg holes and black staining. Appears				-	I I			-				-	-			-			N	IN			-	47.126125169	-88.560226693	CONTOU4
fibrous where broken, "3 1560" numbered on side,																										
potentially flame resistant board								\mathcal{A}							1				Y	V	QMCP-ASBBLK14	Non-Friable	0	47.125882753	-88.560030268	SACM001
White, potentially fibrous fire resistant concrete lining o														1					<u> </u>	+ '	ZMOI NOBBERTH	Hubic		17.120002733	30.000000200	
rusted safes, located in pile															1				Υ	Υ	QMCP-ASBBLK15	Non-Friable	0	47.125900371	-88.559959105	SACM002
White fibrous material on ground, deteriorated,									<u> </u>																	
potentially friable	2 visible piles														1				Υ	Υ	QMCP-ASBBLK13	Friable	0	47.125926904	-88.559932351	SACM003
Rusted cylinder with white concrete like material inside																										
material appears deteriorated, potential refractory																										
equipment															1				Y	N			0	47.125924977	-88.559909887	SACM004
Rusted refrigerator door, "Admiral Dual Temp" script or																										
front, brown fibrous material located inside door on																								47.4050/0000	00 55000010	0.4.01.4005
underneath	Sample brown material														ı				Y	N			0	47.125869989	-88.559920013	SACM005
Black, rusted, intact and upright drum, does not appear				1																N			1	47.125875366	-88.559577416	ContOOE
to be empty, yellowing paint around bung hole Rusted, intact, red and gray cylinder, includes multiple	May require characterization			- 1														1	1	IV			'	47.123073300	-00.559577410	Contoos
openings, contains visible soil debris	Potential process vessel								1										N	N			1	47.125851060	-88.559556845	Cont006
Transite, white, included in debris pile	2 pieces, potentially more buried in debris pile														1				Y		QMCP-ASBBLK17	Non-Friable	0	47.125766253	-88.559638899	
Debris pile with 3- 55 gallon drums filled with scrap,	2 places, potentially more barred in debite pile																				Q.Mor Mobbert		Ť	171120700200	00.007000077	C/ (C///CCC
includes 2'*4'*0.5' red metal tank with handles																										
1- 4 gallon tank	Battery nearby	1			3		1						1						Υ	N			5	47.125740446	-88.559593943	Cont007
Chemical sprayer tanks with pump and handles, hosing																										
appears to be attached, rusted	Characterization required	2																	Y	N			2	47.125725868	-88.559569984	
Rusted, intact, crushed, unknown contents	May require characterization	1																	Y	N			1	47.125875003	-88.559687956	Cont009
2- 55 gallons drums, rusted, crushed, one with unknow																										
black/brown material visible, second with fibrous/plastic																										
debris																										
2- 1000 gallon tanks that appear crushed, dented, one																										
appears intact, second contains holes, no visible contents				2					1	1									l _Y	Υ	QMCP-DM01		4	A7 125077124	-88.559790376	Cont010
White fibrous material with black tar-like material, pile			+ +				 			-		-		+					- 	1	QIVICE-DIVIUT		4	47.120077124	-00.007/703/0	CONTO
includes white fibrous material	Two locations nearby																		Ιγ	Υ	QMCP-ASBBLK16	Friable	0	47.125874358	-88.559730578	SACM007
	Drum may require characterization																		<u> </u>					2007.1300	23.007.00070	
Durated amortised discuss with a few areall halo-	Fire extinguisher with hole nearby																									
Rusted, crushed drum, with a few small holes	White fibrous material, similar to material nearby																									
	SACM007, maybe fiberglass			1									1		1				Υ	N			1	47.125970034	-88.559747539	Cont011
Two rusted, crushed, partially intact 55 gallon drums,																						<u>-</u>				
appears to contain black solid material Note: Total Itam Count is included on the last page of the	May require characterization			2															Υ	N			2	47.126007664	-88.559953851	Cont012

Site Investigation Report - Quincy Mining Company Portage Operations Area

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory Quincy Mining Company Portage Operations Area Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	D
Property (Common Name):	Julio Marine & Salvage
Property Identification Number/Owner:	006-136-002-00/Lawrence Julio
Inspection Date:	0/14/2019 0/17/2019 0/19/2019 0/10/2019 0/25/2019

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):
Historic mining-era operations include the Portage Lake Foundry and Machinery operating within the

Historic mining-era operations include the Portage Lake Foundry and Machinery operating within the area until at least 1949 based on review of Sanborn Maps. Julio Marine & Salvage currently operates at the location. This property is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. The Quincy Smelting Works is located to the west, and a relatively undeveloped property that appears to be used for boat storage is located to the east. The ROW for the Copper Heritage Trail transects the property. At least two sandstone buildings that appear to be of mining-era remain in dilapidated condition. Operations in the area include a recycling facility that entails piles of assorted debris and equipment, some sorted for recycling purposes. Semi-tractor trailers and other heavy equipment are located on the property. Suspect asbestos containing materials, including asphaltic roofing material and potential thermal insulation material, along with abandoned containers, compressed gas cylinders, piles of electrical and suspect PCB and mercury containing equipment, residual processing material, and suspect burn areas are present throughout the property. Topography is relatively flat, sloping gently to the Portage Canal. This is an unsecured area easily accessed by the public via the Copper Heritage Trail that transects the property. In addition, signage indicates that access to the facility may have been permitted for recycling drop-off.

				Potentia	Illy Abando	ned Con	tainers							ial											
											(S			Process Materia PCB/Mercury	tel en		اے					<u></u>			
		1-25 gallon	35-40 gallon	55 gallon	>55 gallon			ASTs/		Pressurized	uel Tanks	SIS	sstos	Residual Process Mate	Ĕ.		tio	s =	Sampled 2018		ole .	t pe			
Not Intact = filled with scrap, appears or is visibly empty,		container	drums	drums	drums	25-200 (gallons	>200 g	jallons	Vessel/	- ler	ishers	est	BIM	<u> </u>		/ yeta	rsical Hazards d Sample	g 7		n-friable	Cour			
carcass, major holes, rusted with holes, split seams										Compressed	t Fu	ing	Asb	PC PC	e ig		Ne ing	Haz pldr) ald		. -				
		_ t	_ 5	s ct.			act	_	act	Cylinders	30a	ies	is ct.	ual tial		S	tair Sed	San	San		tos e/N	tainer Area			
		Intac ot Int	Intac ot Int	Intac Intac sarcas	Intac	Intac	ot Int	Intac	ot Int		ito/Boat Fi	Batteries Fire Exting	Other Items Suspect Asber	Residual	Containing Waste Pile	Outfalls	ie Si	hysical Haza ield Sample ecommendai	Field		Asbestos Friable/Nor	T = :	Recon	Recon	Observation
Description	Notes:	z	z	ž			z		Z		Αſ	B ₂	Sus Sus	2 % 8 6	ე §	o s	% रू	Phy Fiel Rec	ιĔ	Targeted Sample ID	As Fr	0 8	Latitude	Longitude	Number
White woven fibrous material covered in black tar-coated																									
material, partially buried	15SF visible			.									1					Y	N			0	47.126251638	-88.55987449	6 SACM008
2- 250 gallon heating oil tanks, rusted, dented but intact								2										N	N			2	47.126078500	-88.55983838	8 Cont015
Compressed gas cylinder, rusted with three black stripes																									
that may indicate the tank was strapped, rounded																									
bottom, gauge on top shows tank is full										1								1 N	N			1	47.126372374	-88.55992612	1 Cont016
Rusted safe door on top of larger pile of potential SACM,																									
white concrete in chunks	Similar to safe area located downgradient												1					Υ	N			0	47.126355780	-88.55988281	0 SACM009
2- tanks: one green, rusted 500 gallon, second rusted																									
orange 200 gallon, dented, both appear with holes							1		1									N	N			2	47.126286894	-88.55943483	1 Cont017
Black tar paper roofing, multiple layers with silver	Refractory brick within collapsed building																	.,	.,	01400 400011440			17.40/0775.4	00.5504/040	7 04 04 404 0
specks, deteriorated, attached to siding of collapsed	Safe to the east of collapsed building												1					Y	Y	QMCP-ASBBLK12	Non-Friable	0	47.126277543	-88.55946813	7 SACM010
3- black with silver, rusted oil tanks with gauges, each																									
approximately 150 gallons, 2- 55 gallon black, rusted drum, dented, but both appear																									
intact.																									
1- heating oil tank, approximately 250 gallons located in																									
truck sander box, rusted, appears intact	55 gallon drums may require characterization			2		3		1										V	N			6	47 12628292	-88.55935766	8 Cont018
Pile of container, includes:	oo ganon arams may require characterization		1					·														-	17.12020272	00.00700700	o conto to
7-plastic auto ~18 gallon fuel tanks																									
50+- metal auto fuel tanks of various sizes																									
1- Standard oil drum																									
1- 55 gallon drum	Substantial odor, motor oil, petroleum-like smell																								
1- 2'x0.5" fire extinguisher	55 gallon drums may require characterization																								
1- 1000 gallon UST																									
3- 200 gallon tanks																									
5- rectangular industrial tanks 100gal				2		8		1			57	1						1 Y	N			68	47.126101180	-88.55938340	6 Cont019
Gray metal box with white fibrous material as insulation																									
and white woven material wrapped around pile	Sample both material												1					Y	N			0	47.126119013	-88.55932907	1 SACM011
Large debris/waste pile that includes soil, white SACM,																									
metal scrap and sheet metal, foam insulation, boulders,																									
wooden boards, plastic debris, hosing, brick, charred	Characterization may be required														1		1	.,	.,	OMCD CC33		_	47 10/07000	00 5505000	10 WD001
wood, tire scrap	Pile potentially traverses the property line				-	 							1 1	+ +	1		-	Y	Y	QMCP-SS33		0	47.126079000	-88.55952900	U WP001
Rusted drum, appears intact, bulging at end, "America's				1								1						Y	N.I			1	47.125973005	00 55042001	9 Cont020
Finest Lubricant" script on one end Stained stamp sand actively dripping from backhoe	Car battery nearby		+ +									1		+ +			1	Y	N			0	47.125973003		
Light blue, rusted drum, crushed with gash along			 		1	 							+ +	+ +	-			I	IN			U	47.123700000	-00.55727479	U JUHUUZ
underside, appears empty				1														N	N			1	47.126059124	-88.55926386	7 Cont021
Laminate patterned countertop material, attached to			† †	 	1	 							† †	+ +				- 1.	 			†	2000712	33.30723300	3002.
board, deteriorated													1					Υ	N			0	47.126041974	-88.55933067	4 SACM012
Self piling pump attached to water pump, "oil line" script																						1			
on side, unknown if empty													1					N	N			0	47.126080175	-88.55926807	8 Cont022

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

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Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Quincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

D
Julia Marina 9 Salvaga
Julio Marine & Salvage
006-136-002-00/Lawrence Julio
9/14/2018, 9/17/2018, 9/18/2018, 9/19/2018, 9/25/2018

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):

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				Poten	itially <i>A</i>	Abandoned Contain	ners							ial													
										sk				al Materi	ury			حا					<u> </u>				
		1-25 gallon	35-40 gallon	55 gallon		55 gallon ASTs/US		s/USTs	Pressurized	Tan		Sis	OS Leizi	ss N	Potential PCB/Mercury Containing Equipment			I I I I	=	2018		ple	t pe				
Not Intact = filled with scrap, appears or is visibly empty,		container	drums	drums	(drums 25-200 gall	lons >200	gallons	Vessel/	nel		ishe	est	Mate	BM		,	y/ geta zard	e	ed 2		-friable	l no				
carcass, major holes, rusted with holes, split seams									Compressed	1		υgι sm	Ask	g a	PC ng E	<u>e</u>		Veg Haz	nple	l de		, Lo	ler C	σ.			
		ta ct	ta ct	act,	SS	5 5	t lact	fact	Cylinders	Bog	ries	i xti	ect	la la	ntial	e Pi	SIII S	Sed Sed	Sat	Sampled		stos le/N	aine	Ĭ .			
D 1 11	N	Intae Vot In	Intae Vot In	Inta Vot Int	carca	Inta	Vot In	Not In		Auto/Boat	Batteries	Fire Extinguishers Other Items	Suspect Asbe	containing Materi Residual Process	onta	Waste Pile	utfa	Soll Stain Stressed Physical I	ecol	Field	T 1 10 1 10	Asbestos Friable/Non-	ly Sont	Recon		Recon	Observation
Description	Notes:		1				_	_		A	B	i to) N	ته ات	م م	8	0	7 K	正金	: E	Targeted Sample ID	ĀĒ	0 0	Elatitud	e	Longitude	Number
1- yellow 5*4*7' rusted container on side, darkened	Cample stained sail							1										1	V	N			1	47.10	V 12001F	00 5500170	0/ Camt022
stained soil Black rusted crushed drum, open at top, black material,	Sample stained soil Sample stained soil		+ + -		-						-							-	Y	IN			- 1	47.12	26130815	-88.0092172	96 Cont023
liquid inside, crack at bottom, stained soil at bottom	Characterization may be required			1														1	V	N			1	47.12	26128532	-88 5501867	30 Cont024
2- dump truck boxes with cast iron furnace/boiler parts,	Characterization may be required		+ +		-						 							'	+ '	IN			+ '	47.12	3120332	-00.3371007	30 C011(024
sinks, tubs with undercoating, piping with suspect TSI																											
and silver coating, white SACM on ground to east	Sample SACMs												1						Υ	Υ	QMCP-ASBBLK11	Friable	0	47.12	26091688	-88.5591180	47 SACM013
America outboard motor oil container, appears empty	Silver coated woven material nearby	1											1						N	N			1		26056154	-88.5591131	
Silver painted, rusted compressed gas cylinder,																											
flammable sticker "propane" on top									1									1	N	N			1	47.12	26132060	-88.5590894	63 Cont026
Rusted boiler part with gray mastic													1						Υ	Υ	QMCP-ASBBLK11	Friable	0	47.12	26127187	-88.5590725	65 SACM013
4-55 gallons drums, 3 supporting trailer, 1 on side																											
1-20 gallons metal container																											
1-5 gallon mineral oil container, all located under trailer,																											
contents unknown	Characterization may be required	2		4															Υ	N			6		26146354		80 Cont027
White deteriorated ceiling tile, under trailer	With mineral oil tank noted in Cont027												1						Υ	N			0	47.12	26168596	-88.5589985	92 SACM014
2- silver 55 gallon drum																											
1- 35 gallon black rusted				2															V					17.40		00 5500 / 74	
1-15 gallon	Characterization may be required	1	1	2	_			1			 		_						Y	N			4	47.12	26329799	-88.5589671	84 Cont028
7-55 drums in trailer																											
5-5 gallon Container	Characterization may be required	5		7					5										V	N			17	47.10	26266652	00 550000	42 Cont029
5-20 lb propane Fuel tank on dump truck	Characterization may be required	3	+ +	/					<u> </u>	1	 							3	N	N			1/		26341746	-88.5593415	
Boat fuel tank			+ +		-					1	 								N	N			1		26326472	-88.5594659	
1- orange fuel tank, approximately 100 gallon										<u> </u>									IV	111			-	47.12	5520472	-00.3374037	33 (0111031
1-55 gal, crushed, holes material appears to be slag	Drum may require characterization			1		1													Υ	N			2	47 12	25879606	-88.5595287	33 Cont032
White fibrous material on stain steel door													1						Y	N			0	_	25824173		22 SACM015
Includes:																											
1-AST																											
3 safes																											
4-55 gallon drums filled with metal scrap debris																											
2-25 gallon drums with metal scrap and debris, gauge in																											
one of the drums, broken	Gauge may require characterization	2		4	1		1					3							Υ	N			7	47.12	25737925	-88.5594853	59 Cont033
Includes:																											
7- rusted crushed 55 gallon drums, most appeared filled																											
with scrap debris	Black drum on side may require characterization,				.															1			_		DE 7047 ()	00 550 450	40 0 1004
1- furnace tank, rusted upright	all others appear empty		+ + -	1 6)	1		+		-			_	+					Υ	N			8	47.12	25781766	-88.5594524	43 Cont034
Rusted metal cylinder with SACM like deteriorated	May require abarestorizetta												4		,					\ _\	OMCD ACRDUVAS	Estable.		47.10	IE / 4/220	00 550000	EO CDCDC01
material 1 60 gallon fuel oil tank resting on 1, compressed gas	May require characterization		+ + -		-			++			\vdash			+	1				Y	Y	QMCP-ASBBLK10	Friable	0	47.12	25646330	-88.5593300	50 SPCB001
1- 60 gallon fuel oil tank resting on 1- compressed gas	Fuel like oder					1			1									1	V	NI			2	17.10	JEE02012	00 5502212	61 Cont025
cylinder, compressed gas cylinder is ~40 lbs Darkened stamp sand soil with petroleum-like odor	Fuel-like odor		+ +		-			+ +	ı	1	\vdash		-	+		-		1	Y V	Y	QMCP-ASBBLK59	Friable	0		25592913 25629473		61 Cont035
Make Tatal the Count is included as the last race of the	1									1					I			1	ľ	ľ	GINICL-YORREVOA	rnable	U	47.12	JUZ74/3	-00.3391812	10 3011003

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Ouincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	D
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Inspection Date:	0/1//2019 0/17/2019 0/19/2019 0/10/2019 0/25/2019

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				· · · · · · · · · · · · · · · · · · ·			· · · · ·																	
				Potentia	Ily Abando	ned Contair	iers						rial											
										ks			ng Material Process Materia	ent		_					-e			
		1-25 gallon	35-40 gallon	55 gallon	>55 gallon			rs/USTs	Pressurized	uel Tanks	ishers	SOS	faterial cess Ma	Potential PCB/Mercury Containing Equipment		atio	st no	2018		Asbestos Friable/Non-friable	t p			
Not Intact = filled with scrap, appears or is visibly empty,		container	drums	drums	drums	25-200 gallo)IIS >200	gallons	Vessel/	nel	ish	sest	Mat	뛢		get;	zarc zarc e batij			fria	Coul			
carcass, major holes, rusted with holes, split seams									Compressed	at F	y logu	Ask	gi - F	<u> </u>	<u>e</u>	Ning V	Ha mpl	ldm		s Jon-				
		ntact	rct ntact	act tact,	ŧ	t	in i	ntact	Cylinders	uto/Boat Fi	Exti	r Ite	aini dua	aini aini	le P	Stai	lysical Haza	Sampled		ssto ole/N	tainer Area	D	D	01
Description	Notes:	Inta Not In	Inta Not In	Inta Not In carca	nta	Inta	Inta	Not In		uto	Batteries Fire Exting	Other Items Suspect Asbe	Containir	ont	Waste Pile Outfalls	Soil Stain Stressed	Physical Hazards Field Sample Recommendation	l 흥	Targeted Sample ID	riab	Coni	Recon Latitude	Recon Longitude	Observation Number
Description 85+ crushed, rushed drums scattered in piles, most	Notes.							1		Ø	ш ц	O S	0 12		> 0	SS		ш	Targeted Sample ID	4 H	0.0	Latitude	Longitude	Number
appear compromised, unknown contents, if any,																								
area littered with SACM debris and other scrap,																								
1- safe																								
1- hydraulic machine with "high-low" gauge	May require characterization			85								2 1					Υ	N			85	47.125763068	-88.559147364	Cont036
Area with copper colored metal debris, mixed with																								
crushed drums, other metal scrap debris	May require characterization												1		1		Υ	Υ	QMCP-RPM03		0	47.125805504	-88.559093355	WP002
1- compressed gas cylinder									1								1 N	N			1	47.125867438	-88.559466414	Cont037
12- drum carcasses, either empty or filled with scrap																								
metal																								
6- drums, 1- standard oil drum, bulging, others unknown																								
contents																								
3- compressed gas cylinder: 2-80 lbs, 1-150lb																								
1- hydraulic oil equipment																								
5- SACM covered boiler tanks	Drums may require characterization, SACM on																							
3- rectangular fuel oil tank	ground throughout and in drum																							
2- AST				6 12		3	2	+	3			1 5)		_		3 Y	Y	QMCP-ASBBLK09	Friable	26	47.125496312	-88.559194099	
Rusted, crushed drum with black dried tar-like material	Material includes approximately 2/3 full	 		1										_			Y	N			1	47.125501720	-88.559382764	
Radiomarine equipment with glass switches, tubes	Potentially Hg/PCB Containing													1			Y	N			0	47.125308605	-88.559378312	SHG001
Gray, rusted "General Electric Transformer"																								
Serial: PJ Instrument: K-8161155NT																								
General Electric transformer														1			l l y	N			0	47.125303846	-88.559339181	SDCR002
1- hydraulic equipment with gauge	Does not appear mining era			 				+						1			Y	N			0	47.125303040	-88.559321790	
White painted compressed cylinder, pressure gauge	Does not appear mining cra			+ +										-			<u> </u>	14			0	47.123312020	-00.337321770	3110002
reads 40psi									1								1 N	N			1	47.125373116	-88.559141981	Cont040
1000 gallon tank, rusted, black solid material on side	May require characterization							1									Y	N			1	47.125322989	-88.559117603	
3-55 gallon drums; appear intact, "Property of Standard	., ., .																							
Oil"	May require characterization			3													Υ	N			3	47.125228427	-88.559268826	Cont042
Diesel fuel generator	May require characterization									1							Y	N			1	47.125175548	-88.559252973	
2000 gallon tank in woods, inaccessible	May require characterization						1										Υ	N			1	47.125159172	-88.559473536	Cont044
Drum, rusted, appears intact	May require characterization			1													Υ	N			1	47.125141286	-88.559467430	Cont045
1000 gallon fuel tank, dented "Bowser", open valves	May require characterization						1										N	N			1	47.125004144	-88.559438935	Cont046
Drum on side, rusted, appears intact	May require characterization			1													Y	N			1	47.124907448	-88.559469576	Cont047
Pile of insulators, various types, broken	May require further investigation												\bot	1			N	N			0	47.124924000	-88.559421000	
White rusted compressed gas cylinder	Gauge reads empty								1								1 N	N			1	47.124828432	-88.559482661	Cont049
3- 6'x 3' diameter tanks, rusted sitting on sand with tube																		l						
connected at bottom	Contents unknown						3	1					\perp			1	N	N			3	47.124651303	-88.559474644	Cont050
Includes:																								
1- Black rusted 55 gallon drum, empty used for storage																								
1- Red rusted 1000 gallon fuel tank, 4'x3'diameter																								
1- Black rusted 1000 gallon fuel tank 4'x32"diameter 1- Black cubic fuel tank 40x28x30"				1				2									N.	N.I				47 124550000	00 550040000	Cont051
1- DIACK CUDIC TUELTATIK 40X28X30"																	IN	IV			4	47.124558000	-88.559248000	CONTOST

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				F	Potentiall	y Abando	ned Contaii	ners							rial											
Not Intact = filled with scrap, appears or is visibly empty carcass, major holes, rusted with holes, split seams	y.	1-25 gallon container	35-40 gallon drums		gallon ums	>55 gallon drums	ASTs/US 25-200 gall		STs/USTs 00 gallons	Pressurized Vessel/ Compressed	ne l	auishers	SI	sbestos g Material	Process Materia	Containing Equipment	a	ing/ /egetation	Physical Hazards Field Sample	nendation mpled 2018		in-friable	Count per			
,		Intact of Intact	Intact of Intact	Intact	ot Intact, arcass	Intact	Intact	or intact Intact	ot Intact	Cylinders	Auto/Boat F	Batteries Fire Extinguish	Other Item	Suspect Asber Containing Ma	Residual F	ntainin	Waste Pile Outfalls	Soil Staini Stressed \	Physical Haz Field Sample	Recomme Field Sam		Asbestos Friable/No	ontaine	Recon Latitude	Recon	Observation
Description	Notes:	ž	ž		§ 2			ž	ž		A G	Ba Fir	ō	Su Su	Re	2 3 3	N O	S FS	문발	Fie	Targeted Sample ID	As Fri	ੱ ਰੋ	Latitude	Longitude	Number
3- 55 Gallon drums, 2 used for storage of rollers with																										
black tar-like material on some,																										
1-55 gallon white drum crushed with potential rain wate																										
grease trap	May require characterization																									
White linoleum hanging on Pipe rack	SACM			1	3									1					Y	N			4	47.124413000	-88.559387000) Cont052
Metal wheel, unknown contents, surrounded by stamp																										
sand, ground started to sink when standing on stamp	Maria de la contrata del contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata del contr																			١				47.404/007/0	00 55004550	
sand	May require characterization	.											1						1 Y	N			0	47.124698768	-88.559215593	3 Cont053
Crushed tank, partially buried in brick pile with black tar										1				1					1 V	N			1	47 104/07740	00 55014070	ContOF 4
paper roofing	SACM, ~10SF visible													ı				 	I Y	IN			1	47.124627749	-88.559142732	Z CONIU54
Motor Control panel, "oil pressure" gauge, includes gray																1				N			0	47.124636404	-88.558965522	SDCP004
box 1- 5 gal fuel tank, appears partially full,	May require characterization		 	-						+	 	_	-			1		+	Y	IN			U	47.124030404	-88.338903322	2 SPCB004
1- 100 gallon rusted diesel fuel tank, unknown contents																										
appears intact	''																									
Red fire extinguisher																										
1- white compressed gas cylinder, 7'x18" diameter, "LP																										
gas above ground only"		1					1			1		1							1 N	N			3	47.124702000	-88.558909000	Cont055
1- 10 gallon fuel tank, appears intact and open,		<u> </u>								•		<u> </u>							- 10	- 11				17.12 1702000	00.000707000	Contoco
1- 25 gallon fuel tank, black appears intact	Contents unknown	2																	N	N			2	47.124752308	-88.558930758	Cont056
Includes:	Contains analowii																			· · ·			1 -	171121702000	00100070070	Johnson
Green/yellow caterpillar generator																										
2- 55 gal drum used for storage																										
1- rusted, gashed, 55 gal drum, unknown Contents																										
White TSI SACM material on ground throughout area																										
26- approx. 200 gal AST	Area marked																									
1- 24x5' diameter AST	Contents unknown																									
2- 19x5'dia AST, hardened soil, LBP	May require characterization- soil, SACM																									
1- burnt tank	sampling																									
1- red boat fuel tank	Scrap metal near by burnt tank			1	2		2	29)		1			1					Υ	N			35	47.124914000	-88.559077000	Cont057
Includes:																										
1- 55 gal drum with pour spout,																								1		
1- plastic 5 gal																								1		
2- 35 gal drums, 1 bulging																										
3- boat fuel tanks, red	May require characterization- drum																									
6- gal kerosene	Contents unknown	7	2	1							3								Y	N			13	47.124770397	-88.558628345	Cont058
Portable incinerator "Plibrico" with TSI material visible,																										
deteriorated																								1		
Furnace 6'x6.5'x5.5'	SACM													1					Y	·	QMCP-ASBBLK07	Friable	0	47.124661444	-88.558705979	
Burn pile, white, gray fibrous material, deteriorated	SACM													1					Y	N			0	47.124936598	-88.558579236	SACM016
E-waste bins with electric components, suspect	.																							47.405	00.5501.00	00000-
capacitors with electric waste	May require characterization															1			Y	N			0	47.125029383	-88.558648102	2 SPCB005

Site Investigation Report - Quincy Mining Company Portage Operations Area

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory **Quincy Mining Company Portage Operations Area** Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	D
Dranarhy (Camman Nama)	Julio Marine & Salvage
Property (Common Name):	Julio Maririe & Salvage
Property Identification Number/Owner:	006-136-002-00/Lawrence Julio
Inspection Date:	9/14/2018, 9/17/2018, 9/18/2018, 9/19/2018, 9/25/2018

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):

Historic mining-era operations include the Portage Lake Foundry and Machinery operating within the area until at least 1949 based on review of Sanborn Maps. Julio Marine & Salvage currently operates at the location. This property is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. The Quincy Smelting Works is located to the west, and a relatively undeveloped property that appears to be used for boat storage is located to the east. The ROW for the Copper Heritage Trail transects the property. At least two sandstone buildings that appear to be of mining-era remain in dilapidated condition. Operations in the area include a recycling facility that entails piles of assorted debris and equipment, some sorted for recycling purposes. Semi-tractor trailers and other heavy equipment are located on the property. Suspect asbestos containing materials, including asphaltic roofing material and potential thermal insulation material, along with abandoned containers, compressed gas cylinders, piles of electrical and suspect PCB and mercury containing equipment, residual processing material, and suspect burn areas are present throughout the property. Topography is relatively flat, sloping gently to the Portage Canal. This is an unsecured area easily accessed by the public via the Copper Heritage Trail that transects the property. In addition, signage indicates that access to the facility may have been permitted for recycling drop-off.

				Po	tential	ly Abandon	ed Containers	<u> </u>					rial												
Not Intact = filled with scrap, appears or is visibly empty,		1-25 gallon container	35-40 gallon drums	55 gal drun		>55 gallon drums	ASTs/USTs 25-200 gallons	ASTs/USTs >200 gallons		uel Tanks		ishers	oestos Material ocess Materia	Potential PCB/Mercury Containing Equipment	<u> </u>		getation gards	e dation	pled 2018		friable	Count per			
carcass, major holes, rusted with holes, split seams									Compressed	at F		ngr Sm	ect Asbes ining Mat ual Proce	PC	<u>e</u>		Vec Haz	enc	nple		בַ		,		
		Intact lot Intact	Intact lot Intact	Intact	ot Intact, carcass	Intact	Intact lot Intact	Intact lot Intact	Cylinders	Auto/Boat	Batteries	Fire Extinguishers Other Items	Suspect Containii Residual	otential ontaini	Waste Pile	utfalls	Soil Stair Stressed Physical	eld Sar	Field Sar		Asbestos Friable/No	Container Obs. Area	Recon	Recon	Observation
Description	Notes:	Z	z		ž		z	z		Α̈́	Be	Ē ð		<u>A</u> 5	Š	ŏ	S 22 F	Fiel		Targeted Sample ID	As Fr			Longitude	Number
White TSI material on ground near shoreline	SACM												1					Υ	N			0	47.12517450	8 -88.558421	679 SACM017
Black fuel staining near over turned equipment,																									
substantial fuel/dead odor	May require characterization																1	Υ	N			0	47.12504648		855 Soil004
1- Black, rusted fuel tank, 12x5'dia	Contents unknown							1										N	N			1	47.12506111	8 -88.558837	697 Cont059
5- gray, rusted cylinder with keyed shaft, appears black																									
around edges, closed Container, 20"x12" dia	May require characterization	5																Υ	N			5	47.12520511	3 -88.559122	577 Cont060
3- ASTs																									
1- 55 gallon drum carcass, empty																									
2- 48"x42"dia																									
1-6'x4'dia	Unknown Contents				1		2	4										N	N			7	47.12494095		401 Cont061
White fibrous TSI on ground, deteriorated	SACM												1					Υ	Υ	QMCP-ASBBLK08	Friable	0	47.12492970	5 -88.559037	802 SACM018
Includes:																									
15- 55 gallon drums, "oil corporation," "waste oil,																									
"supreme engine oil" appear intact																									
Possible transformer core, w/ SACM coating																									
7- 55 gal drums, used for storage with 1-empty																									
7- drum carcasses, unknown Contents																									
Propane tank, 2 fire extinguisher																									
SACM on equipment																									
6- ASTs, appear intact, contents unknown	Darkened stained leaf litter in container																								
Additional cut ASTs	Wrapped tubing in building			15	14			6	1			2	1	1			1	Υ	N			36	47.12554400	0 -88.558802	000 Cont062
Potential petroleum shed, locked, inaccessible, no																									
visible staining																									
3- CO ₂ tanks (dates: 9-85, 11-88, 2' tall)																									
1- fire extinguisher	Further investigation inside								3			1					3	N	N			3	47.12567461	2 -88.558470	683 Cont063
, , , , , , , , , , , , , , , , , , ,																				QMCP-ASBBLK04	Friable	1			
Black tar roofing with silver paint, potential burn area	SACM, ~ 25SF scattered in vicinity												1					Υ	Υ	QMCP-ASBBLK05	Friable	0	47.12557334	4 -88.558479	218 SACM019
1- fuel tank, "danger gasoline no smoking,"16'x4'dia	Contents unknown							1										N	N			1	47.12552740		
3- Roller drum, red w/ roll top, "Atlas powder Wilmington																						1			
Delaware"	Contents unknown					3												N	N			3	47.12545891	2 -88.558524	831 Cont065
5- 55 gallon drums, appear intact, inaccessible in																									
building																									
Oil drain/receptacle																									
Bathtub full of white/metallic material																									
8- 5 gal plastic buckets with white cake-like material and																									
on ground																									
White SACM TSI material on ground, 30SF	May require characterization, drum Contents																								
1- propane cylinder	unknown, SACM	8		5			1		1				1		1		1	Υ	N			15	47.12549143	7 -88.558604	342 WP003
2- 55 gal drums, 1- white appears intact, contents		-	1 1				·		· ·					1	†	1	- -	<u> </u>				1	2017110		
unknown, 1- open, contains black crystalline material	May require characterization			2														Υ	N			2	47.12545074	4 -88.558375	639 Cont066
and string a sport, contains black or jotaline material	inaj regali e entaracionizacioni	<u> </u>	<u> </u>			<u> </u>				1	LI		<u> </u>		<u> </u>	11		<u> </u>	.,,	L L			17.1201007	. 00.000070	007.000

Site Investigation Report - Quincy Mining Company Portage Operations Area

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Ouincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

Area:	D
Property (Common Name):	Julio Marine & Salvage
Property Identification Number/Owner:	006-136-002-00/Lawrence Julio
Inspection Date:	9/14/2018, 9/17/2018, 9/18/2018, 9/19/2018, 9/25/2018

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):

Historic mining-era operations include the Portage Lake Foundry and Machinery operating within the area until at least 1949 based on review of Sanborn Maps. Julio Marine & Salvage currently operates at the location. This property is bound to the north by the ROW for Highway M-26 and to the south by the Portage Canal. The Quincy Smelting Works is located to the west, and a relatively undeveloped property that appears to be used for boat storage is located to the east. The ROW for the Copper Heritage Trail transects the property. At least two sandstone buildings that appear to be of mining-era remain in dilapidated condition. Operations in the area include a recycling facility that entails piles of assorted debris and equipment, some sorted for recycling purposes. Semi-tractor trailers and other heavy equipment are located on the property. Suspect asbestos containing materials, including asphaltic roofing material and potential thermal insulation material, along with abandoned containers, compressed gas cylinders, piles of electrical and suspect PCB and mercury containing equipment, residual processing material, and suspect burn areas are present throughout the property. Topography is relatively flat, sloping gently to the Portage Canal. This is an unsecured area easily accessed by the public via the Copper Heritage Trail that transects the property. In addition, signage indicates that access to the facility may have been permitted for recycling drop-off.

			1	P	otential	ly Abando	ned Container	S					rial												
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams		1-25 gallon container	35-40 gallon drums	_	allon ıms	>55 gallon drums		ASTs/UST >200 gallo		Fuel		Fire Extinguishers Other Items	Asbestos ig Material Process Mater	Potential PCB/Mercury Containing Equipment			ning/ Vegetation Hazards	ple ndation	Sampled 2018		in-friable	. Count per			
		Intact lot Intact	Intact lot Intact	Intact	ot Intact, carcass	Intact	Intact lot Intact	Intact	Cylinders	Auto/Boat	Batteries	Fire Exting	Suspect Asbee Containing Ma Residual Proc	otential F	Waste Pile	utfalls	<u> </u>	Field Sam Recomme	Field Sam		Asbestos Friable/No	ontainer os. Area	Recon Latitude	Recon	Observation
Description	Notes:	2	2		2 -		2		2	A	Ř	<u>ie</u> ö	<u>v</u> v v	<u> </u>	S	ō	<u>⊼</u>	i ž	ΙĒ	Targeted Sample ID	Α̈́F	ੂ ਨੂ ਨੂ	Latitude	Longitude	Number
 45- 55 gal drums on side, stacked, appear to be intact, 1-w/ bulged bottom 2- 55 gal drums open and used for storage of insulators 1- compressed gas cylinder partially under trailer, 5ft 																									
long	May require characterization			45	2				1								1	Υ	Υ	QMCP-SS45		48	47.125519000	-88.5588430	00 Cont067
1- fuel oil tank with open bottom, gauge	Drum Contents unknown SACM 20'x2.5'			20	10		1						1					Y	N			40			
Galbestos sheet with fibrous black layer 7- transformer casings, appear rusted, potentially burnt,			+	29	18								1					Y	IN			48	47.125124000	-88.5588020	UU CONIU68
filled with insulators and debris, 3.2'x2'dia														7				Υ	Υ	QMCP-SS44		0	47.125813046	-88.5582679	07 SPCB006
1- 55 gal drum, intact, bent, 1- 55 drum intact 3- 55 Standard oil drums, appear intact Gray cubic equipment with rope gasket, greasy paper 21- compressed cylinders, some appear to be propane, "acetylene flammable" on one Hydraulic oil tank Truck fuel tank 2- 55 gal drum used for storage 3- fire extinguishers Black cylinder, unknown contents Silver chemical container near brick building Pile of nickel iron batteries, approximately 80	Contents unknown SACM on ground			5	2		1		22	1	80	3 1	1	1	1		22	Y	Y	OMCP-RPM01 QMCP-SS42 QMCP-ASBBLK06	Friable	31 0	47.125658000 47.125783000	-88.5589220 -88.5582300	00 Cont069 00 WP004
Includes: Yellow tank equipment, unknown contents Electrical equipment with SACM wire wrap Boat fuel container and battery 3- empty drum carcasses 11- open top drums with liquid contents, one appears w/ sheen 2- gray fuel tanks with gauge Corrugated Plastic 2'	May require characterization Drum			11	3		1			1	1		1			1		Y	N N			16 0	47.125870000 47.125876435		00 Cont070 53 Outfall008
2 piles of white material, deteriorated, corrugated								+ +								-		1	† · · ·				23070100	55.5575100	
cardboard, sheeting 8-55 gallon drums, 3-appear intact, others carcasses	SACM Drums may require characterization SACM, 1 SF friable deteriorated			3	5			3					1 1					Y	Y	QMCP-SS41 QMCP-ASBBLK01 QMCP-ASBBLK02 QMCP-ASBBLK03	Friable Friable Friable	0 11	47.125996258 47.126063996		00 SACM020 61 Cont071

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

Reconnaissance, Targeted Sampling, and Potential Chemical and Physical Hazards Inventory
Quincy Mining Company Portage Operations Area
Abandoned Mining Wastes - Torch Lake Non-Superfund Site

 Area:
 D

 Property (Common Name):
 Julio Marine & Salvage

 Property Identification Number/Owner:
 006-136-002-00/Lawrence Julio

 Inspection Date:
 9/14/2018, 9/17/2018, 9/18/2018, 9/19/2018, 9/25/2018

General Property Description (Significant Landscape Features, Topography, Cover, Etc.,):

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		1																						
				Poten	tially I	Abandoned Containers	5		_			rial												
Not Intact = filled with scrap, appears or is visibly empty	,	1-25 gallon container	35-40 gallon drums	55 gallon drums		55 gallon ASTs/USTs drums 25-200 gallons	ASTs/USTs >200 gallons	Pressurized Vessel/	uel Tanks		Fire Extinguishers Other Items	Asbestos ng Material Process Materia	Potential PCB/Mercury	-duibment		y/ getation zards	e lation	Field Sampled 2018		nn-friable	Count per			
carcass, major holes, rusted with holes, split seams								Compressed	ш.	· .	ngu sws	Ask Ing I	I PC	ng r		sed Veg cal Haz	mple on a)du		s Jon-				
		act	act	lact ntact,	cass	act act ntact	act	Cylinders	Auto/Boat	Batteries	er Ite	Suspect Asbe Containing Ma Residual Proc	entia	Containing Waste Pile	alls	Soil Stain Stressed Physical F	ield Sample Recommenda	l Sal		Asbestos Friable/Nor	ıtainer . Area	Recon	Recon	Observation
Description	Notes:	Not	Not	Not II	car	Not Int	Not In		Autc	Batt	et se	Sus	Pote	Was	Outt	Soil Stre Phy	Field Sa	Field	Targeted Sample ID	Asb Frial	Cor	Recon Latitude	Longitude	Number
Includes:																			January P	<u> </u>				
10- vapor lamp ballasts gray scattered throughout																								
area/pile																								
4- black cylinders, potentially oil containing																								
2- potential transformers	Soil sample																							
2- gray metal potential transformer	White material in stainless steel have deteriorated																		QMCP-RPM02					
1- dry type transformer w/ blacker material 2- potential Hg lights, old broken	White material in stainless steel box, deteriorated												21				V	V	QMCP-SS43		0	47.1261830	00 55042	000 SPCB007
					-				+				<u> </u>				T	T	QIVIOT -3343		U	47.1201030	-00.330434	SFCDUU/
Includes: Acetylene compressed gas tank																								
White SACM on ground next to tank																								
1-open drum with black/brown material on inside walls																								
1-open black drum with copper colored liquid																								
4- open topped drums, storage																								
1- rusted drum, with rust holes on top																								
Soil staining on ground																								
Jute-like greasy wiring																								
White TSI																								
2-Heating oil tank, intact, various sizes																								
Riveted tank, appears intact																								
Larger riveted tank, crushed, mothball smell nearby																								
3- crushed drums 2-drum, appears intact, 1 white,1																								
1- riveted tank, intact																								
3- fire extinguishers				4 8	3		4 1	1			3	1				1	Υ	N			18	47 1260350	00 -88.558776	000 Cont072
Pile of natural gas pressure regulators, potentially Hg				<u> </u>	_			1									•		QMCP-SS47		10	17.1200000	50 00.000770	GOINO72
containing pots	Monitored area with Lumex												1				N	Υ	QMCP-SS48		0	47.1261760	00 -88.558785	992 SHG003
White TSI material on ground next to older stove,																								
deteriorated	SACM											1					Υ	N			0	47.1262009	26 -88.558820	9866 SACM021
9- Coleman propane fuel tanks, release not punched																								
1- Red AST on side, appears intact																								
1- Black AST, intact with 1 hole																								
1- white drum appears intact, along trail																								
3- crushed drums in junk pile																								
1- gray old style drum on side, SOC	Area			4 3	,			9									NI NI	l N			10	47 10/1710	00 5504//	1000 Cont072
2- drum intact drum on side	Drums may require characterization		+ +	4 3	<u> </u>		2	9	+	+ +		+ + -	+			9	N	N			18	47.1201710	00 -88.558469	OHU/3
1- 55 gal drum, appears full																								
1- 40 gal drum, appears full 1- 5 gal pail																								
1- 5 gai pail 1- pressurized gas cylinder		1	1	1				1								1	N	N			4	47 1266512	-88.558642	2861 Cont091
r procounzou gus cymruci			† † †	 	_			'	1								IV				7	77.1200312	00.000042	301 3011071
Duct work covered in white fibrous material, deteriorated												1					Υ	N			0	47.1261026	42 -88.557265	6693 SACM022
ate. Total Item Count is included on the last nage of th			+ + +			+ +	+ + + + + + + + + + + + + + + + + + + +		+												— <u> </u>	20.020	23.00.200	

RECONNAISSANCE, TARGETED SAMPLING, AND POTENTIAL CHEMICAL AND PHYSICAL HAZARDS INVENTORY

ATTACHMENT A

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

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			Pot	entially Aband	oned Containers						ial											
Not Intact = filled with scrap, appears or is visibly empty, carcass, major holes, rusted with holes, split seams	1-25 gallor container	35-40 galloi drums	n 55 gallo drum:		n ASTs/USTs 25-200 gallons	ASTs/USTs >200 gallons	Pressurized Vessel/ Compressed	at Fuel Tanks	guishers	rs Isbestos	g material Process Mater	Potential PCB/Mercury Containing Equipment		ing/ Veget	fazards ple ndation	Sampled 2018		n-friable	r Count per			
Description Notes:	Infact Not infact	Intact Not Intact	Intact	carcass carcass	Intact Not Intact	Intact Not Intact	Cylinders	Auto/Boat	Fire Exting	Other Items Suspect Ask	Containin Residual F	Potential Po Containing Waste Pile	Outfalls	Soil Stain	Physical Hazar Field Sample Recommendat	Field Sam	Targeted Sample ID	Asbestos Friable/No	Container Obs. Area	Recon Latitude		Observation Number
1- Rusted, bulged drum, appears intact 14- open topped drums carcasses, appear to be used for storage or empty, leaf litter 34- drums, appears intact 1- white painted 'Dow' drum, soil inside 1-AST 24'x9' diameter, empty Pile of crushed auto fuel tanks Gray insulator, appears oily at top 2- fire extinguisher 1- 35 gal drum carcass 1- AST on top of trailer White TSI material on ground, potentially carpet Transite board 1- Grey rusted compressed gas cylinder																						
White material on silver 'inlet end'		1	35	15		1 1	1	5	2	1		1			1 Y	Υ	QMCP-ASBBLK18	Friable	59	47.126366000	-88.557181000	Cont074
Black box connected to wheel, motor, suspect transformer												1			Y	Υ	QMCP-SS49		0	47.126054567	-88.557657253	SPCB008
Transformer, light ballast on conveyor belt, sitting on leaf litter, potentially stained												1			Υ	N			0	47.126148243	-88.557681245	SPCB009
Gray transformer, appears oily at top, partially buried with debris												1			Υ	Υ	QMCP-RPM04		0	47.126116502	-88.557560422	SPCB010
Pressure vessel with valves, green, holes on either end, 10'x6'dia							1								1 N	N			1		-88.557812910	