Site Conditions

ECT Phase 1 (BEA)
EPA Expanded Site Inspection
EPA Hazard Ranking System Document

Risk and Criteria

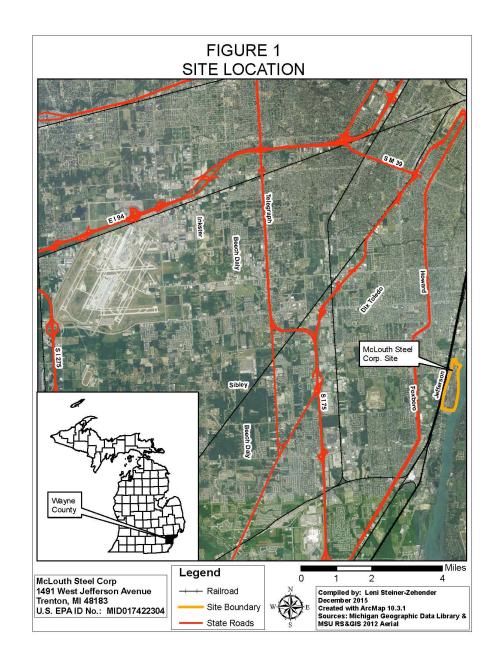
- What is substance?
- What are the pathways of exposure?
- Who or what could be exposed?
- How can the exposure route be controlled?
- What is the criteria default or site specific risk assessment
- Substance X Contaminated soil
- Direct contact threat
- Workers on the site that could be exposed
- Stay out of that area and put up a fence, remove the soil, cap the soil
- Default non-residential direct contact criteria or risk assessment

Phase 1 ETC for MSC. August 8, 2017

- 134 Recognized Environmental Conditions (RECs) divided into 5 areas
- Drums, transformers, pits, lagoons, asbestos pipe wrap, floor staining, ASTs, oily water in flooded basements, pickle liquor, PCBs in soil, pH plumes, dioxin in soil and river sediments.
- Many of these items are being addressed by the work MSC is doing.
 - May not be fully addressed soils, sediments, and groundwater

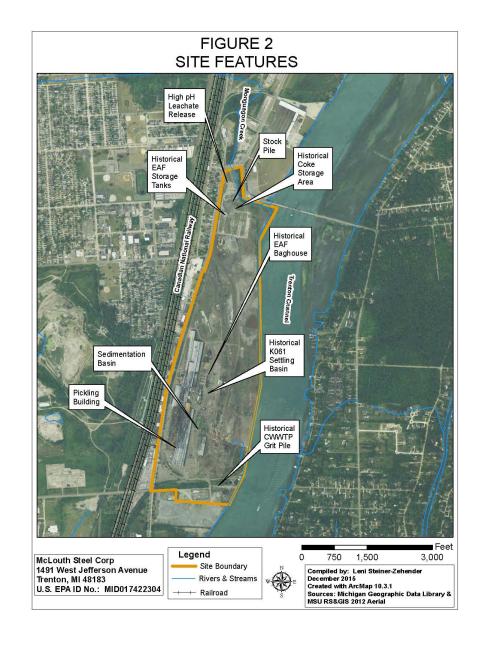
Expanded Site Inspection Report 2017

Fieldwork 2015



Limited Investigation

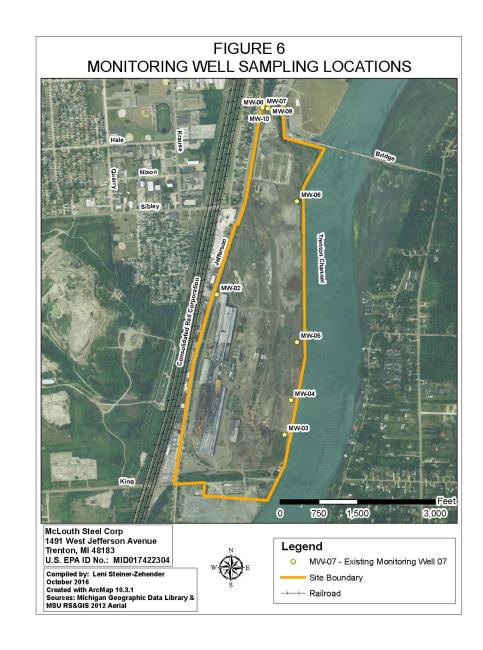
Waste Piles 7
Surface Soils 13
Soil Borings 10
Groundwater 10
Surface water 4
Sediment 15



Groundwater Table 13

VOCs SVOCs Pesticide Inorganics

pH 0.85 -12.69



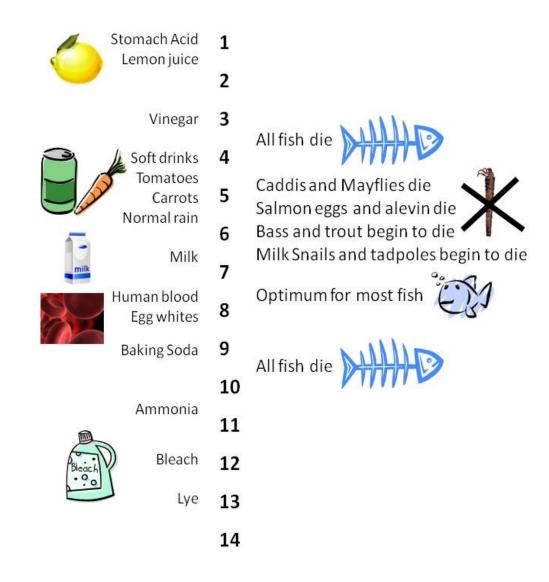
pH - potential of hydrogen (hydrogen concentration

Scale 0-14. 7 is neutral < pH is acidic

> pH is basic

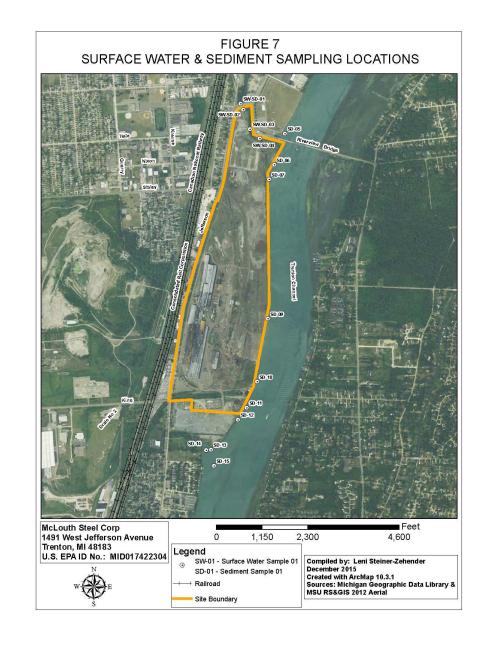
logarithmic - a change of 1 is ten times more acidic or basic

McLouth Range (BEA) 0.85 to 12.69



Surface water Table 14

no detections



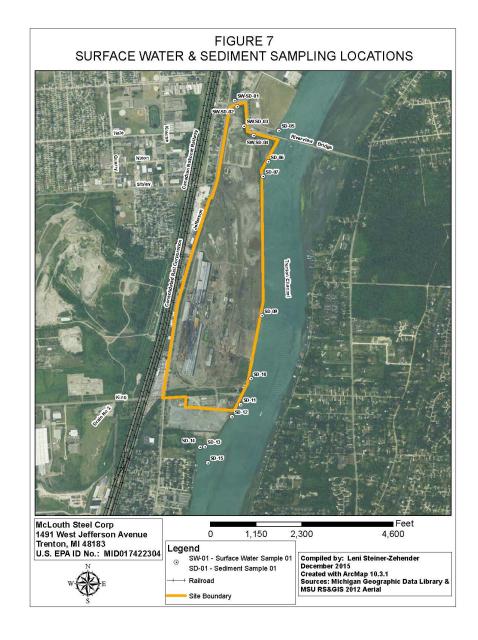
Monguagon Creek Sediments Table 15

Pesticide/PCBs Inorganics



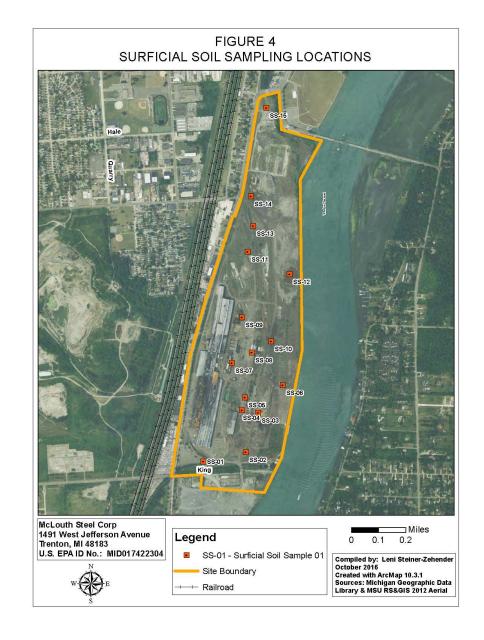
River Sediments Table 15

VOCs
SVOCs
Pesticide/PCBs
Dioxins/Furans
Inorganics



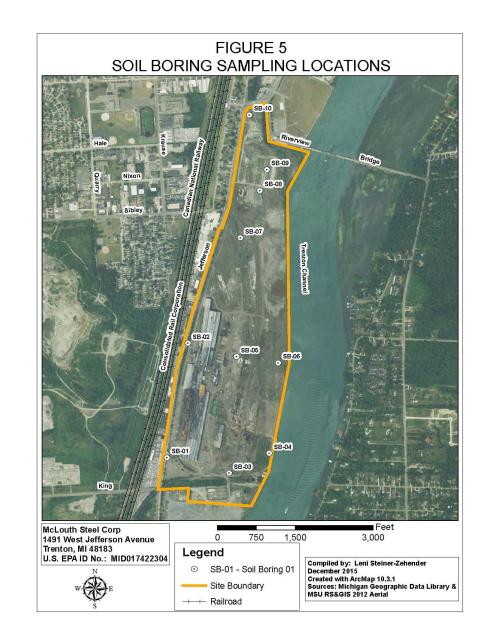
Surface Soil Table 16

VOCs
SVOCs
Pesticide
Dioxins/Furans
Inorganics



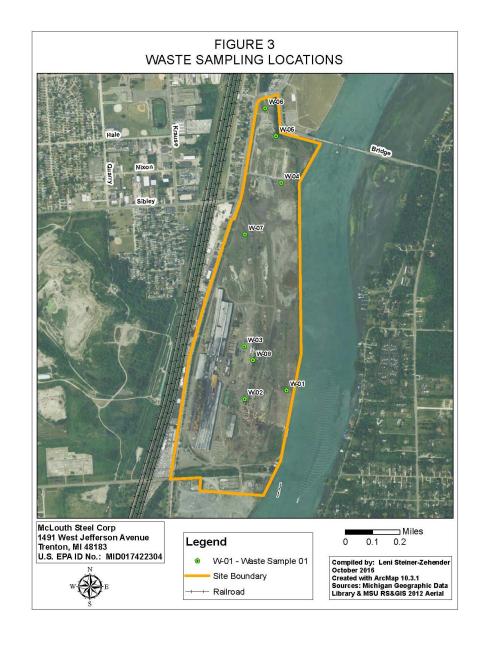
Soil Borings Table 17

VOCs
SVOCs
Pesticide/PCBs
Inorganics



Waste Samples Table 7

VOCs SVOCs Pesticide/PCBs Inorganics



What was learned. How did it Score.

Ground Water Pathway - Not Evaluated

Surface Water Pathway - 100.00

Soil Exposure and Subsurface Intrusion Pathway - Not Evaluated

Air Pathway - Not Evaluated

PCBs, dioxins and furans, metals, cyanide

The primary targets evaluated in the surface water migration pathway are fisheries and protected species and sensitive environments in the Trenton Channel of the Detroit River adjacent to the facility

Current work connection with Listing