



Department of
Environmental
Conservation

Tonawanda Community Working Group

Superfund and Brownfield Progress Update

January 26, 2022

Legend *(all locations are approximate)*

- State Superfund Program
- Brownfield Cleanup Program

0 300 600 1,200 Feet

1 inch = 400 feet



Site Location Figure
 Tonawanda Coke, #915055
 Riverview Innovation and Technology Campus, #C915353
 3800 and 3875 River Road
 Tonawanda, NY 14150
 October 2020

Author: Ben McPherson Revised: 10/9/2020 N:\private\R9\Tonawanda Coke\Figure 1 - Site Location Map.mxd

Brownfield Site

Riverview Innovation &
Technology Campus,
#C915353



Work Plan/Report	Submitted	Status	Progress
Interim Site Management Plan (ISMP)	3/6/2020	DEC Approved	Continuous
Light Oil Area Secondary Containment Investigation Work Plan	3/6/2020	DEC Approved	Complete
Remedial Investigation Work Plan	3/12/2020	DEC Approved	Complete (field)
Stormwater Pollution Prevention Plan	3/12/2020	DEC Approved	Continuous
Storm Sewer IRM Work Plan	4/12/2020	DEC Approved	Complete
Mixing Pad IRM Work Plan	5/5/2020	DEC Approved	Complete
PCC Excavation Work Plan	5/11/2020	DEC Approved	Complete
ISMP - Work Scope 2	5/11/2020	DEC Approved	Complete
Container Management IRM Work Plan	6/17/2020	DEC Approved	Complete
ISMP - Work Scope 3	7/6/2020	DEC Approved	Complete
Storm Sewer IRM Phase 1 Report	8/5/2020	DEC Approved	Complete
Abandoned Pipeline IRM Work Plan	8/19/2020	DEC Approved	Complete
PCC Grading Concept Plan	9/10/2020	DEC Approved	Complete
South Road Reconstruction Plan	11/17/2020	DEC Approved	Complete
Surface Water Phase 3 Work Plan	12/22/2020	DEC Approved	Complete

Work Plan/Report	Submitted	Status	Progress
AST Management Work Plan	12/23/2020	DEC Approved	Ongoing
Abandoned Pipeline IRM Report	1/20/2021	DEC Approved	Complete
Building Demolition Work Plan	1/26/2021	DEC Approved	Ongoing
PBS/CBS Tank Work Plan	2/15/2021	DEC Approved	Ongoing
Access to Coal Breaker Building	2/15/2021	DEC Approved	Complete
Secondary Containment Investigation Work Plan	3/10/2021	DEC Approved	Ongoing
Box Culvert Lining Work Plan	4/2/2021	DEC Approved	Complete
Supplemental Remedial Investigation	5/28/2021	DEC Approved	Complete (field)
Mixing Pad Cleaning Completion Report	6/21/2021	DEC Approved	Complete
Byproducts Pipe Sealing Work Plan	6/30/2021	DEC Approved	Complete
Concrete Settling Pond Cleaning	6/30/2021	DEC Approved	Complete
Lime Still IRM Work Plan	7/14/2021	DEC Approved	Ongoing
Coke Oven Gas Bench Scale Testing	8/13/2021	DEC Approved	Complete
PFAS Sampling Work Plan	8/19/2021	DEC Approved	Complete
COG Pipe and Residual IRM Work Plan	8/25/2021	DEC Approved	Ongoing
Groundwater Treatment Plant IRM	10/5/2021	DEC Approved	Ongoing

Lime Still Demolition 11/22/21



Lime Still Demolition 1/14/22



Lime Still Demolition 1/14/22



Lime Still Demolition 1/14/22



Lime Still Demolition 1/14/22



Superfund Site

Tonawanda Coke, #915055



Investigation Status

Site 108:

- Draft Remedial Investigation Report received January 20, 2022

Site 109:

- All field work completed.
- Remedial Investigation Report anticipated in February 2022.

Site 110:

- All field work completed.
- Remedial Investigation Report anticipated in February 2022.

SSF Site Overview

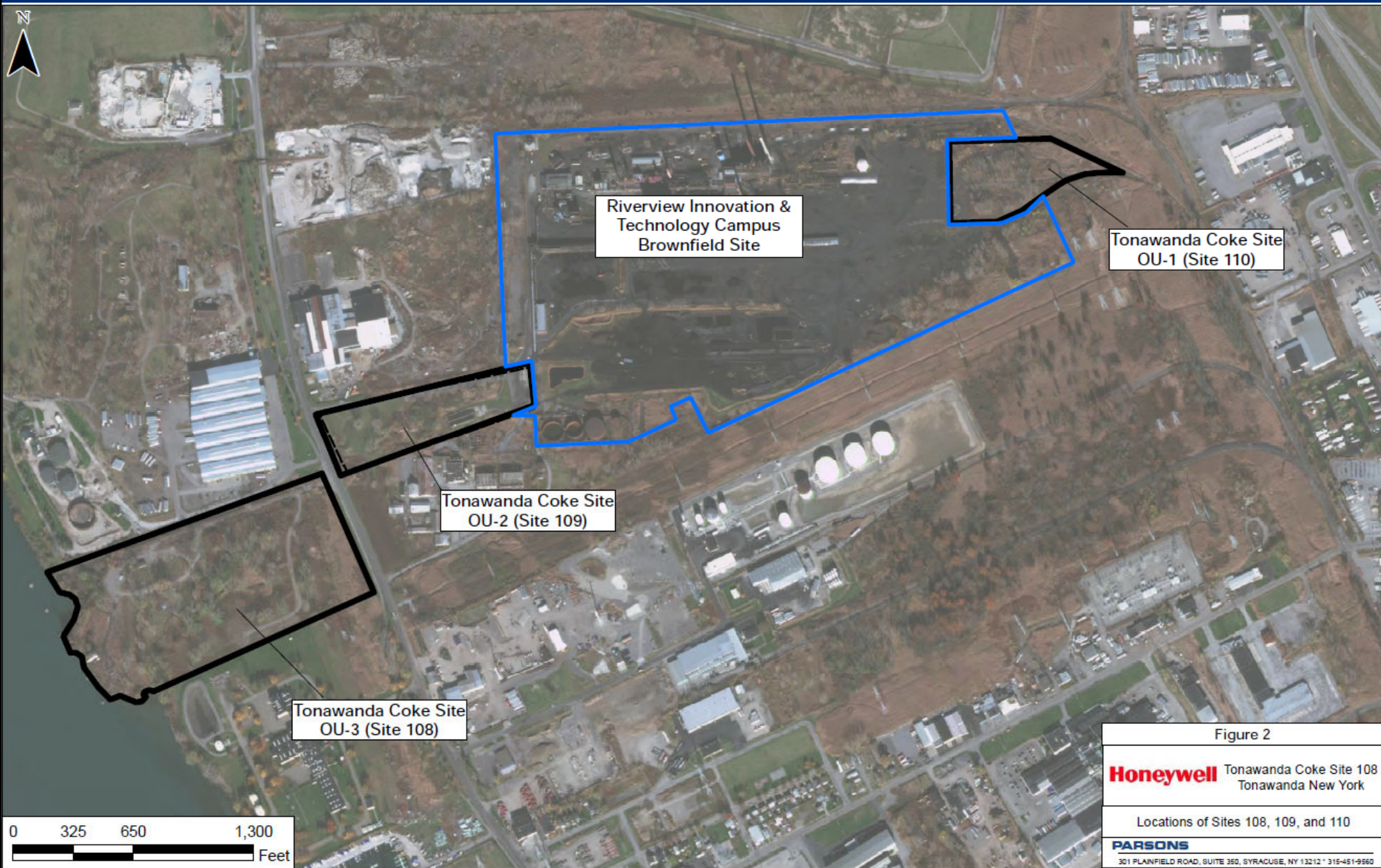


Figure 2

Honeywell Tonawanda Coke Site 108
Tonawanda New York

Locations of Sites 108, 109, and 110

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 • 315-451-9560

Site 108 RI Sampling Locations

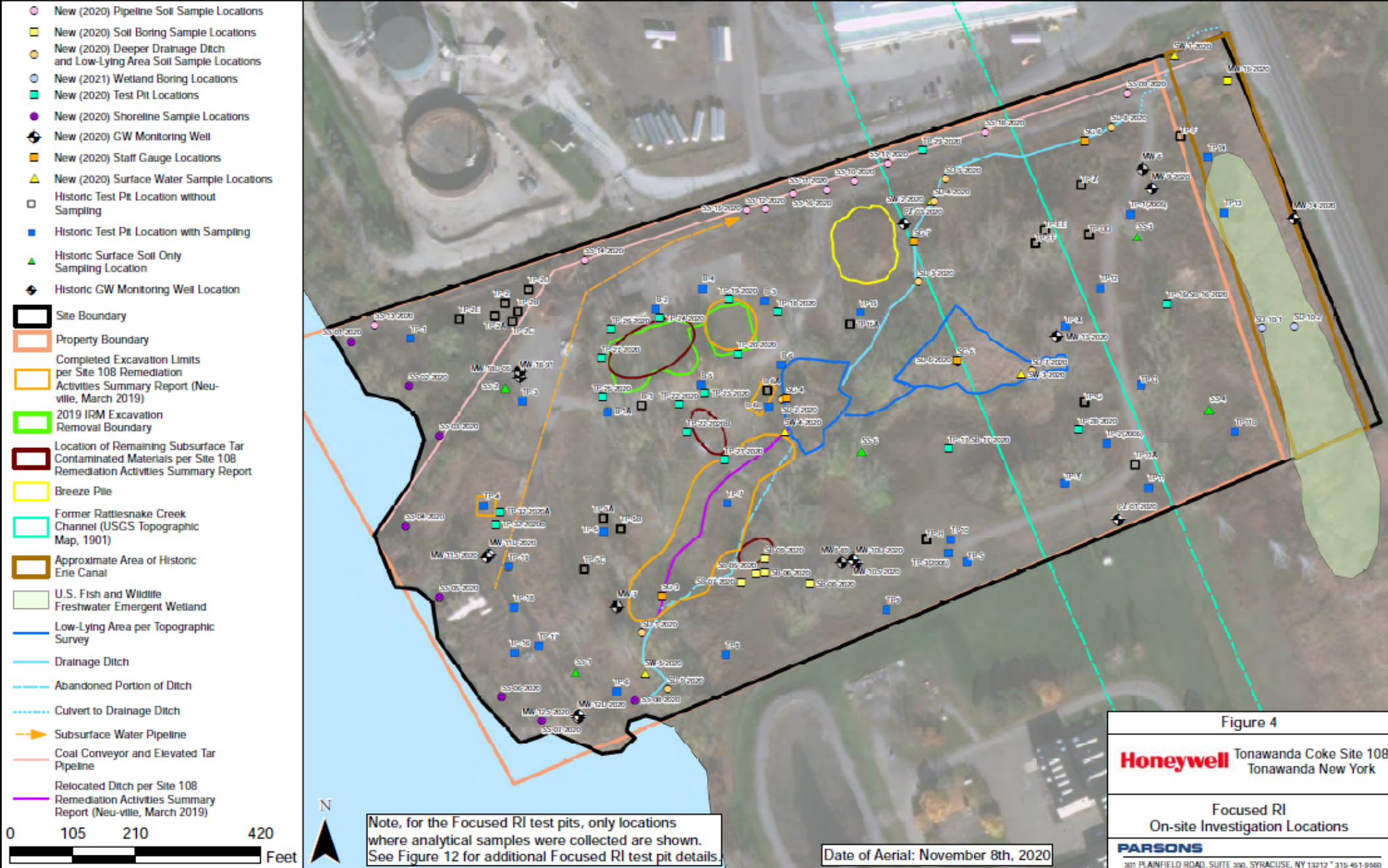


Figure 4

Honeywell Tonawanda Coke Site 108
Tonawanda New York

Focused RI
On-site Investigation Locations

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Site 108 RI Sediment Location

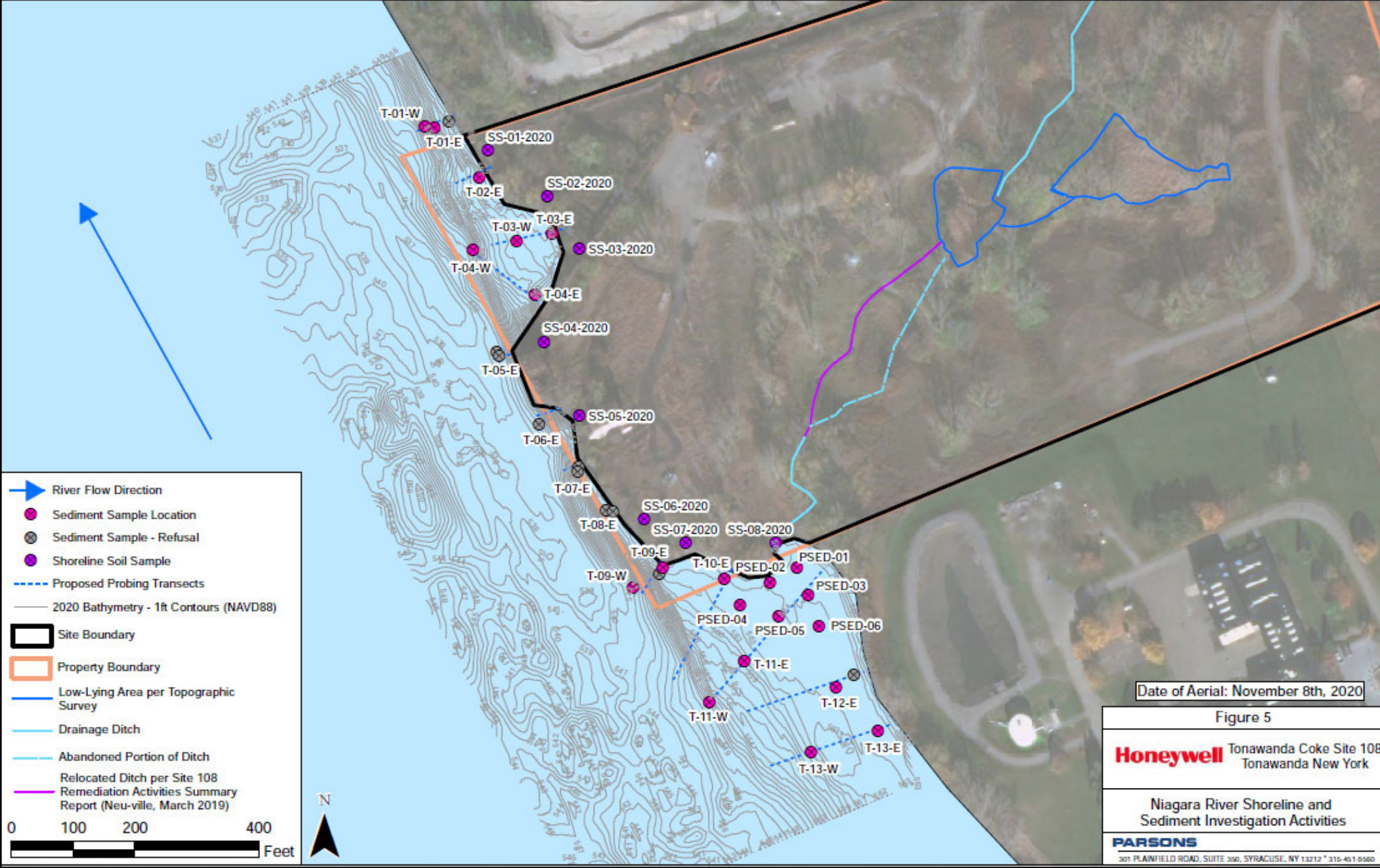
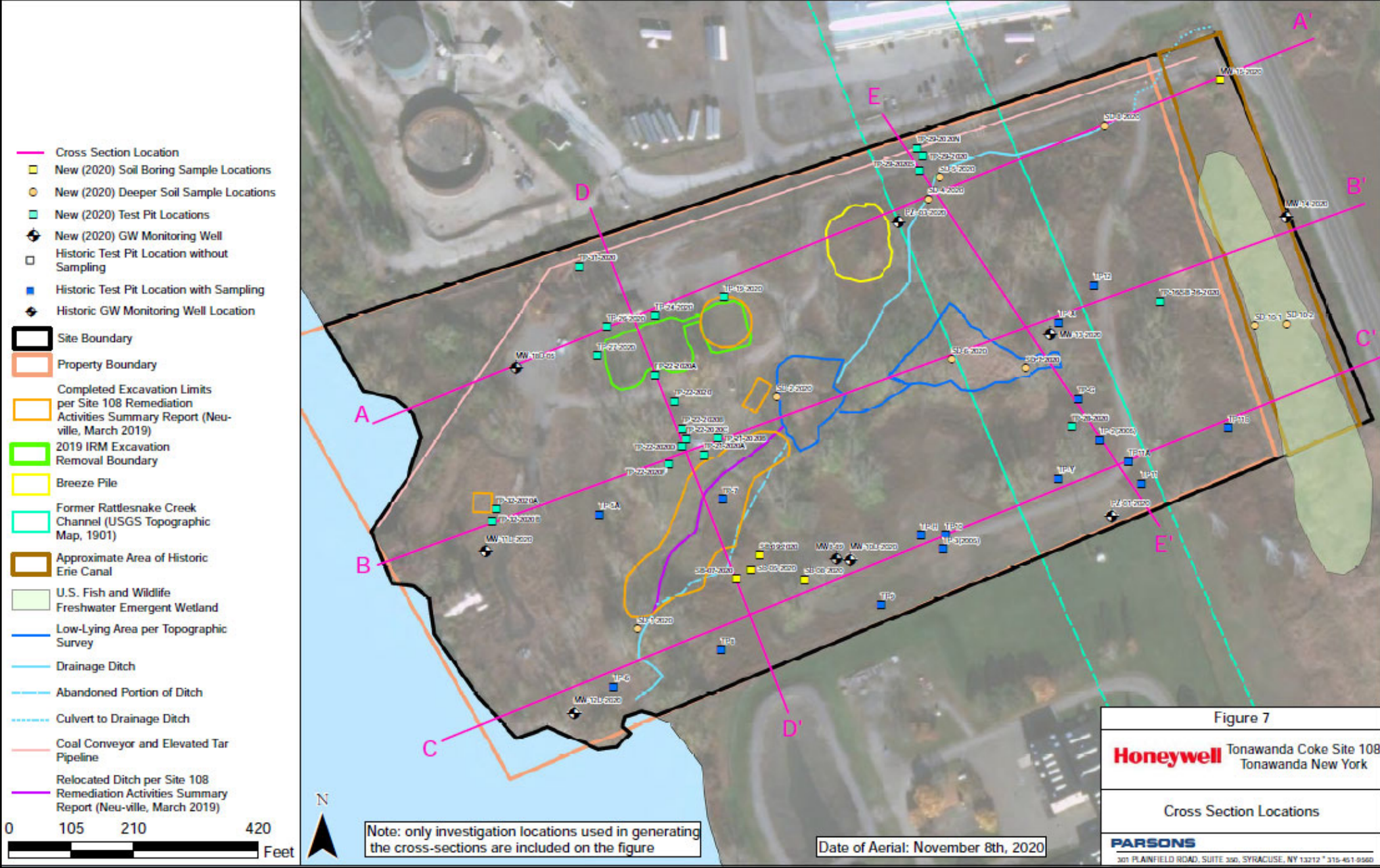


Figure 5

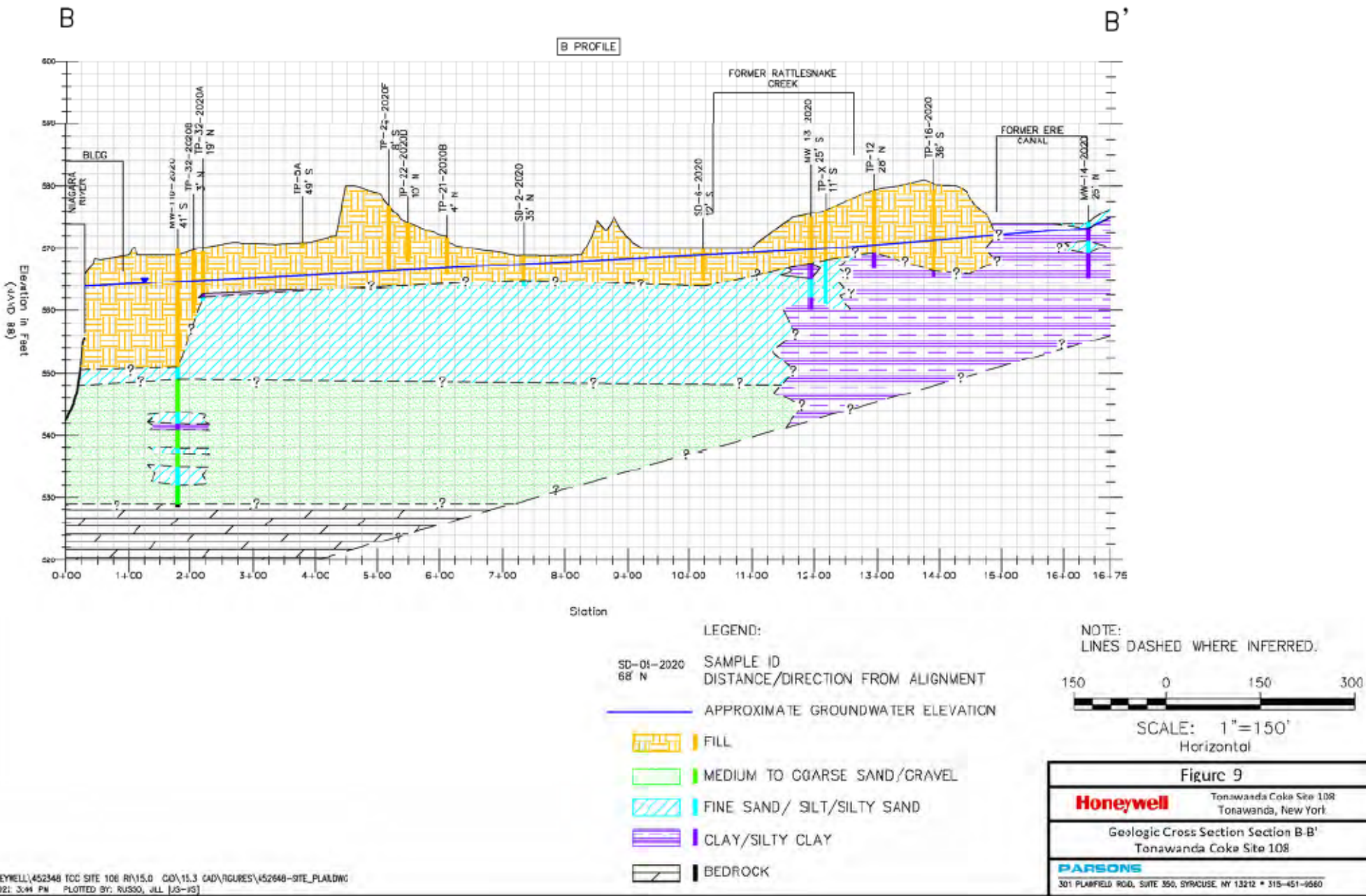
Honeywell Tonawanda Coke Site 108
Tonawanda New York

Niagara River Shoreline and
Sediment Investigation Activities

Site 108 Cross Sections



Site 108 Cross Sections



Site 108 Conceptual Site Model

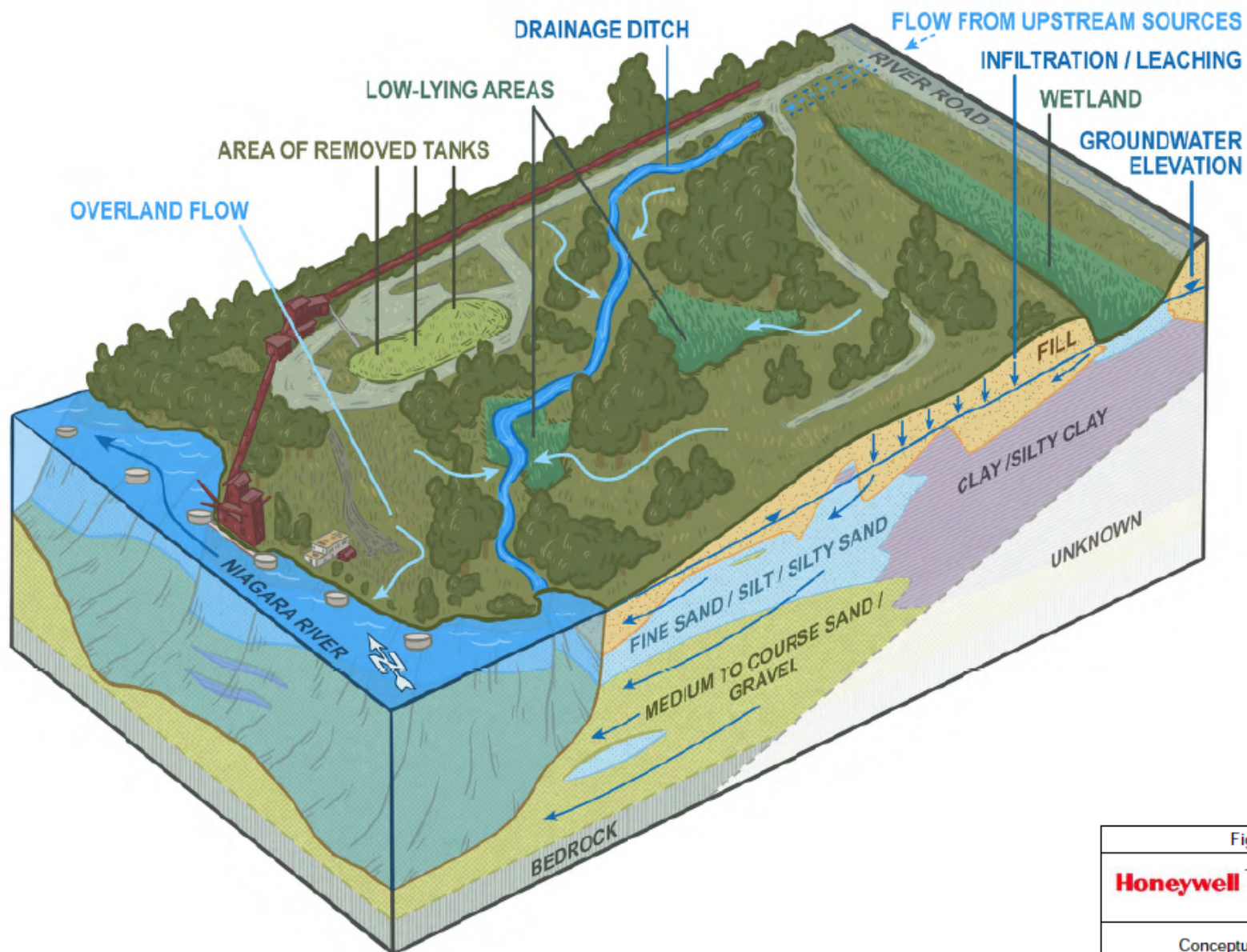


Figure 25

Honeywell Tonawanda Coke Site 108
Tonawanda New York

Conceptual Site Model

PARSONS

301 PLAINFIELD ROAD, SUITE 300, SYRACUSE, NY 13212 * 315-451-9560

Site 108 Draft Conclusions

Conclusions have not yet been reviewed by DEC

- Soil: widespread detections of PAHs and some metals. Subsurface tar impacts primarily south of tank removal.
- Groundwater: appear to be isolated impacts rather than site-wide plume. Contaminants primarily VOCs and cyanide.
- Ditch Sediments: similar to on-site soil. Exceedances of guidance values for PAHs and some metals.
- River Sediments: two depositional areas identified. Collocated exceedances of guidance values for PAHs and some metals. No tar impacts identified.

Site 108 Proposed Work

- Further characterize the extent of subsurface tar;
- Characterize the storm drain near the northwest corner of Site 108;
- Characterize the nature and extent of groundwater impacts adjacent to the Niagara River, including within the underlying bedrock;
- Evaluate hydraulic conductivity of the various geological units and connectivity between them;

Site 108 Proposed Work (cont)

- Provide a second round of comprehensive groundwater analytical results, including evaluation of dissolved and total constituent concentrations and collection of indicators of natural biodegradation;
- Evaluate potential surface water impacts to the Niagara River through sampling of Niagara River surface water;
- Further characterize impacts to sediment within the wetland; and
- Further characterize the extent and significance of impacted sediment within the Niagara River

Site 108 Path Forward

- DEC/DOH will review draft report and issue comments to Honeywell on the report.
- Revised report will be reviewed by DEC/DOH, and if all comments are addressed DEC will issue a factsheet summarizing findings and provide locations to access the RI Report.
- Work plan submission and review may be concurrent with the above.

Thank You

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