Initial Huntsville Creek Culvert Survey

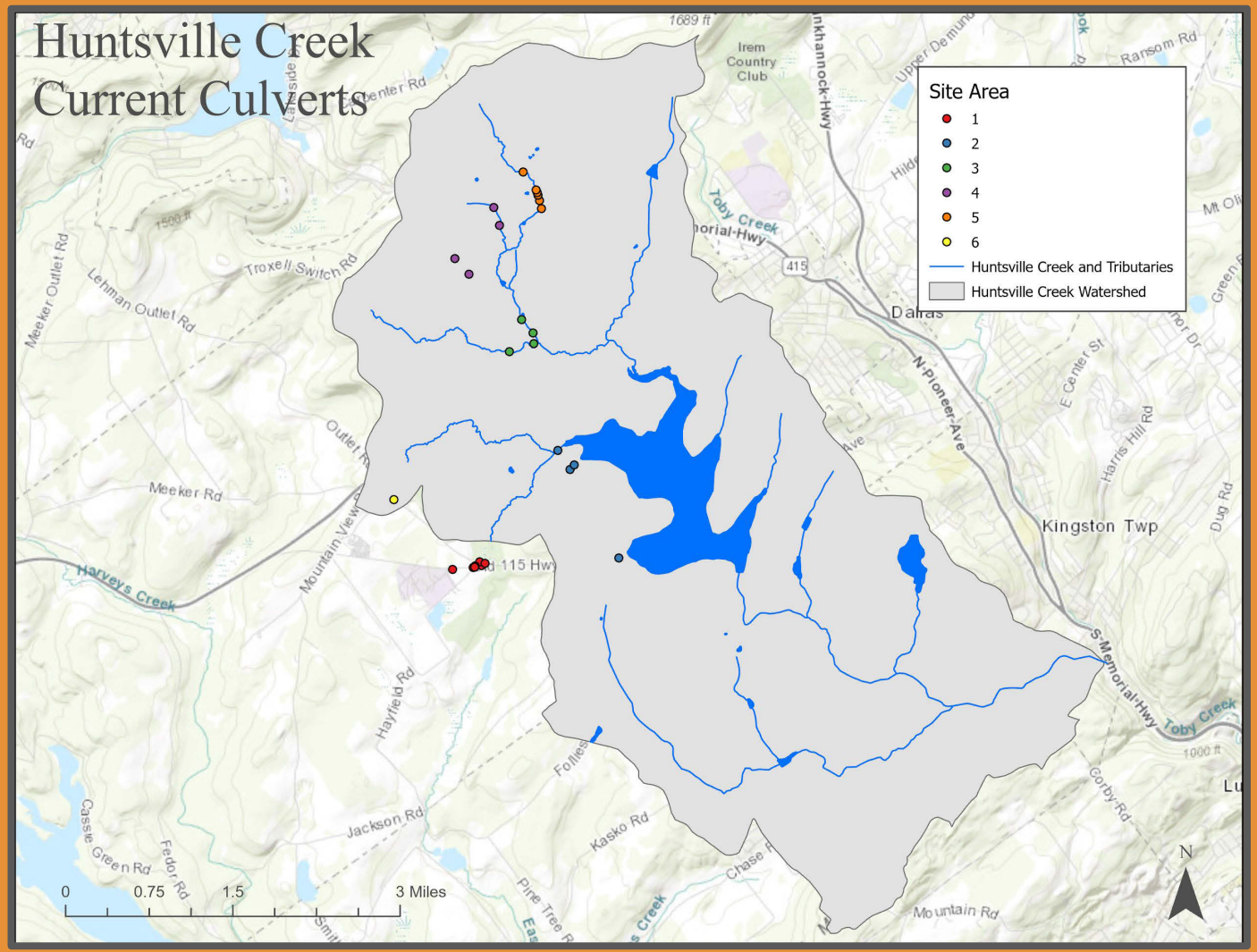
EPCAMR

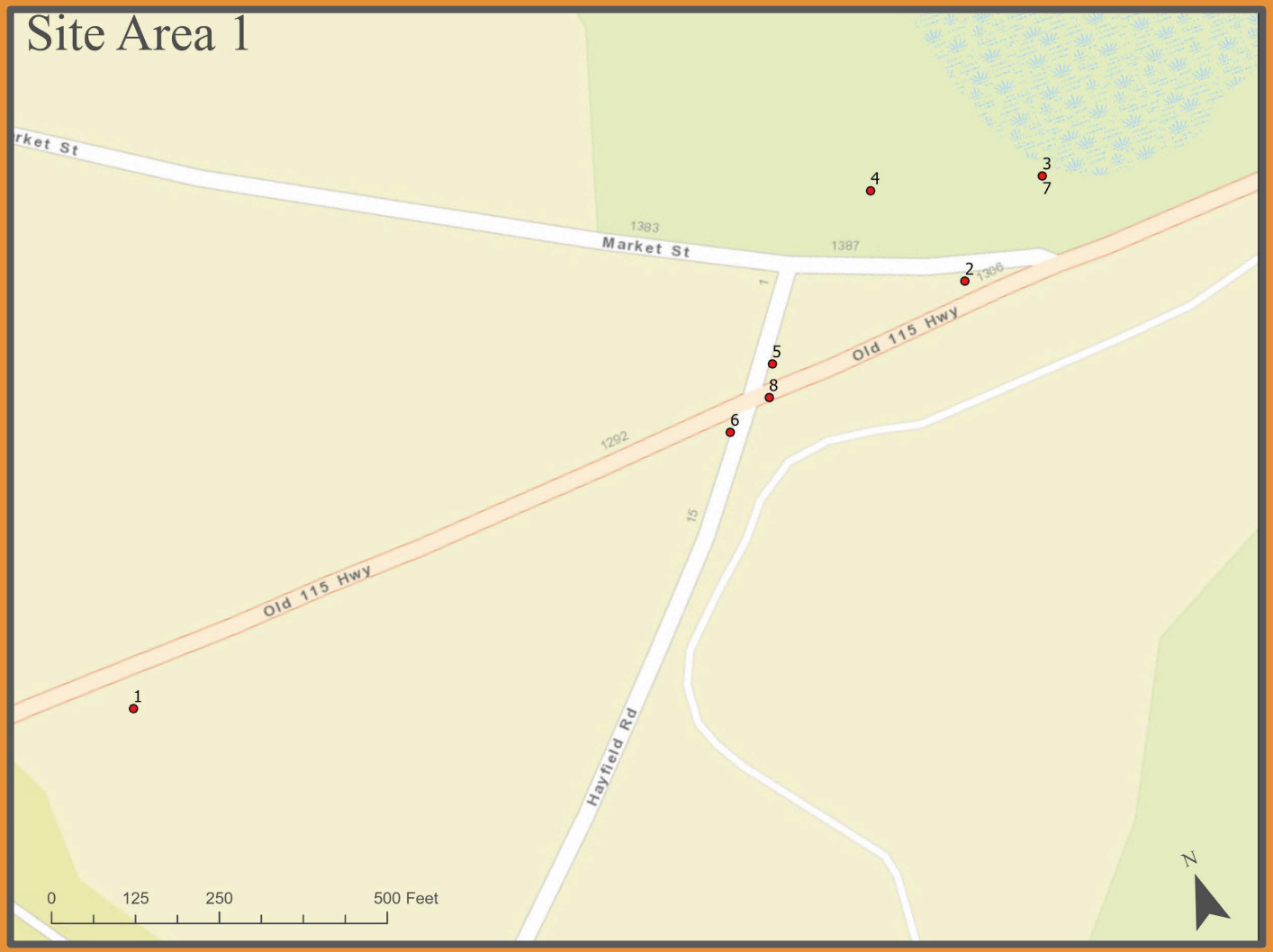
Eastern Pennsylvania Coalition for Abandoned Mine Reclamation

Overview

Culverts were broken into site area groups for ease of mapping.

UNT = Unnamed Tributary




Site Area 1
rket St
Market St
1383
1387
1396
1
Old 115 Hwy
1292
Old 115 Hwy
15
Hayfield Rd
1
2
3
4
5
6
7
8
0
125
250
500 Feet
N

Point 1

12” concrete culvert carrying drainage from Fig. 19. More than half full of debris.

41.307928, -76.011574

Point 1

Upstream view of flow from culvert in Fig. 20 on the other side of Old Rte. 115. Full of leaf litter that is clogging the pipe.

Point 1

Downstream view of drainage from Fig. 21 and wetlands on private property into which it empties.

Point 1

Other view of wetlands in Fig. 22.

Near 1

Build up of water on PSU-WB soccer fields that drains through small concrete culvert to the other side of Old Rte. 115

Near 1

12” concrete pipe under University Dr. at intersection with Old Rte. 115 carrying stormwater that is half full of leaf litter.

41.308052, -76.012210

Point 2

Downstream view of rectangular culvert with 18-inch HDPE pipe, mortared into larger concrete pipe with rocks.

2-3 inches of sediment outside of pipe, 1 inch inside pipe

41.308289, -76.007790

Point 2

Upstream view of same drainage from Fig. 6. It drops to a rectangular concrete culvert with an 18-inch HDPE pipe, receives flow from both Old Rte. 115 and Market St., then passes under Old Rte. 115 to the Huntsville Golf Course.

Point 3

View of square stone drop-off that holds groundwater and flow from pipe in Fig. 13. Flow drains through larger HDPE pipe to other side of small road on the golf course.

41.308512, -76.0073466

Point 3

24” HDPE pipe that carries flow from under Old Rte. 115 and Market St.

Consistent flow of groundwater under pipe that trickles down lower rocks.

Point 3

Upstream view of HDPE pipe from Fig. 14 that crosses road in the golf course. A small amount of sediment in pipe.

Point 3

Downstream of flow exiting pipe in Fig. 15, draining into wetlands on the Huntsville Golf Course.

Point 3

Larger view of drainage and wetlands from Fig. 16

41.308512, -76.007346

Point 3

Stormwater drainage ditch carrying flow from Old. Rte. 115 just next to Fig. 13-17.

Point 4

Downstream view of Fig. 9 where flow enters another HDPE and crosses under small road in the Huntsville Golf Course.

41.308650, -76.008025

Point 4

HDPE pipe hidden by collapsed headwall across Market St in the Huntsville Golf Course.

Point 4

Upstream view of same HDPE pipe in Fig. 10 on the other side of the small road in the golf course. Half full of sediment and leafy debris

Point 4

Downstream view of Fig. 11 emptying in wetlands at golf course

41.308650, -76.008025

Point 5

Downstream view of Fig. 5. Drainage spreads, then tightens, then widens and meanders further down along Old Rte. 115

41.308252, -76.008644

Point 5

Upstream view of opposite side of HDPE culvert passing under Hayfield Rd. Some drop off and drainage spreads from pipe

Point 6

Downstream (DS) view of culvert from Fig.1.
18-inch with some rocks and debris blocking drainage

41.308099, -76.008900

Point 6

Upstream (US) view of drainage from Penn State WB soccer field, leading to concrete culvert passing under Old Rte. 115

Taken 3/19/19

Point 8

Downstream view of Fig. 3. 18-inch HDPE culvert that passes under Hayfield Rd. - Some leaf matter, small white pipe from adjacent property

41.308158, -76.008703

Point 8

Upstream view of opposite side of culvert under Old Rte. 115. - Completely blocked with debris and leaf litter.


Site Area 2
13
12
11
10
Huntsville Idetown Rd
Huntsville Idetown Rd
0
500
1,000
2,000 Feet
N

Point 10

2 12” concrete pipes that carries flow from Fig. 30

41.309044, -75.989972

Point 10

2 12” concrete pipes in square drop-off that pass under Huntsville-Idetown Rd. - Half full of leafy debris and sediment

Point 11

Downstream view of flow spreading after crossing under private driveway

41.317703, -75.996341

Point 11

Upstream view of small UNT
(Un-named Tributary) /run-off off
Huntsville-Idetown Rd. near reservoir

Point 11

Downstream view of UNT in Fig. 82 crossing under small private driveway through HDPE pipe

Point 11

Upstream view of drainage from opposite side of private driveway. Pipe from other side is not clearly seen and flow spreads widely

Small pipe from property at 90 degree angle

Near 11

Upstream view of UNT in Fig. 82-85 closer to where it crosses Huntsville-Idetown Rd.

Near 11

Additional flow from stormwater draining down Huntsville-Idetown Rd. meeting UNT in Fig. 86

Point 12

Downstream view of UNT in Fig. 86 flowing into 18” concrete pipe under stone headwall as it crosses under Huntsville-Idetown Rd.

41.31815, -75.995799

Point 12

Upstream view of concrete pipe in Fig. 88 on opposite side of Huntsville-Idetown Rd.

Point 12

Downstream view of UNT in Fig. 88-89 that leads directly to reservoir

Point 12

Another view of UNT in Fig. 90

41.318150, -75.995799

Point 13

Downstream view of UNT just before it empties into reservoir

41.319565, -75.997911

Point 13

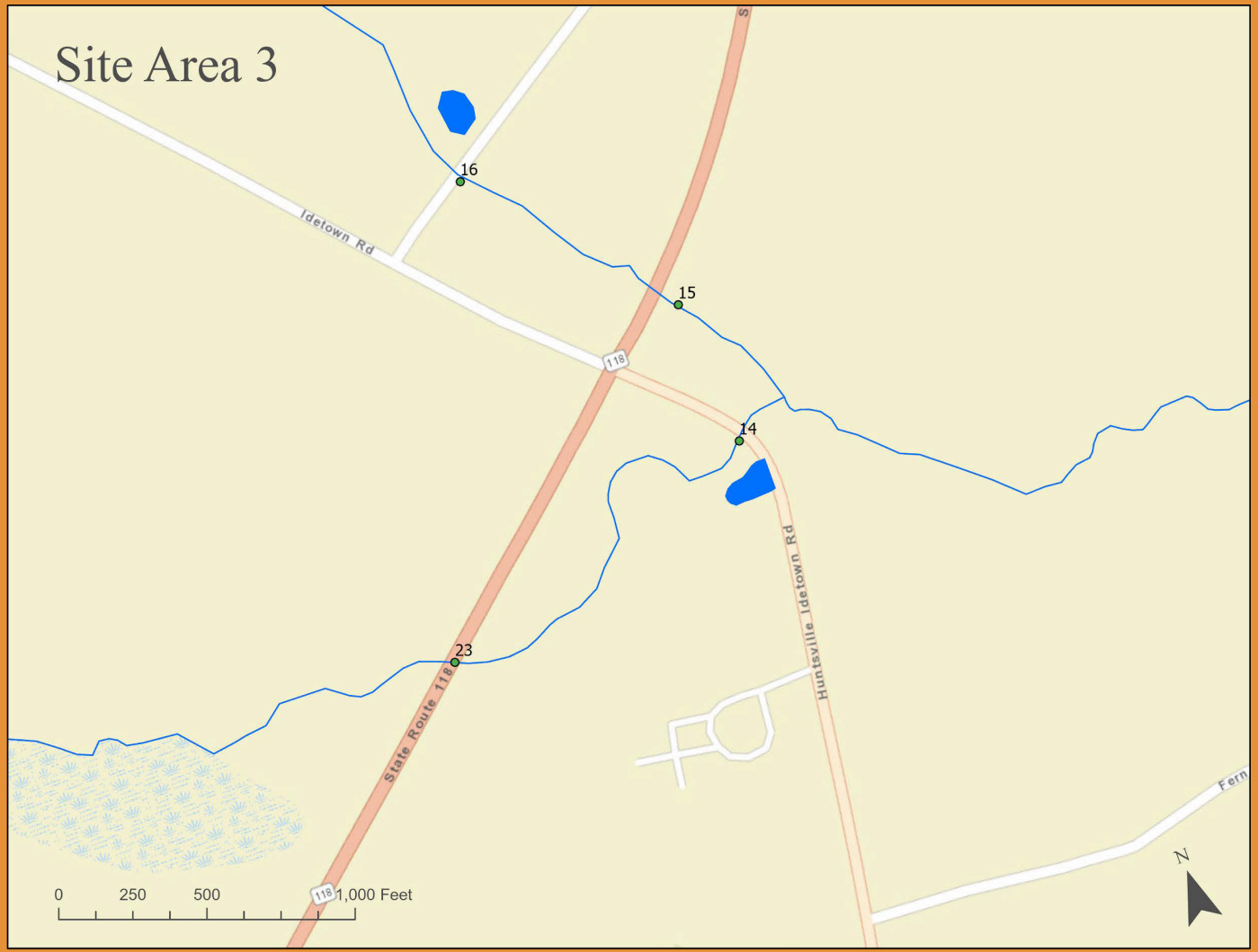
Upstream view of UNT that crosses Huntsville-Idetown Rd.

Point 13

Downstream view of UNT in Fig. 93 crossing under 5-6’ concrete bridge

Point 13

Upstream view of bridge on opposite side of Huntsville-Idetown Rd.


Site Area 3
16
15
14
23
Idetown Rd
118
State Route 118
Huntsville Datown Rd
0
250
500
1,000 Feet
N

Point 14

Downstream view of UNT from the same side as Fig. 35.

41.329983, -76.001013

Point 14

Obstructed downstream view of Fig. 32 and the culvert. Significant organic debris in UNT just before culvert and gas pipeline passing over

Point 14

Additional view of culvert in Fig. 33

Point 14

Partial upstream view of culvert on opposite side of Huntsville-Idetown Rd. Some debris, but not as much as opposite side

Near 14

Upstream view of UNT that passes through 5-foot concrete, circular culvert under Huntsville-Idetown Rd. just before Rte 118.

Near 14

Larger WL/HL just near Figs. 32-36. Currently frozen, but appears as a body of water on Google Earth

Point 15

Another downstream view of UNT in Figs. 39-40. Must pass through same private property as Fig. 38 to access.

41.331018, -76.001113

Point 15

Upstream view of UNT and very large concrete culvert that passes under Rte. 118. Meets other UNT in Figs. 32-36.

Point 15

Partial downstream view of UNT in Fig. 39. Water narrows after culvert, but is well over 2 feet deep in some areas

Near 15

Upstream view of concrete culvert that passes under Huntsville-Idetown Rd. right at intersection with Rte. 118. On private property, but had permission from owner. Drainage meets UNT in Figs. 39-41

Point 16

Downstream view of UNT passing through Lehman Nursery before passing under Rte. 118

This UNT is the same as that in Fig. 39-41, just further upstream.

41.332345, -76.002616

Point 16

Upstream view of UNT that passes under Park Rd. near Lehman Nursery

Point 16

View of UNT passing under Park Rd.

Bank repair in Fig. 74 could help direct UNT to better alignment with bridge

Point 16

View of UNT on opposite side of Park Rd.

Near 16

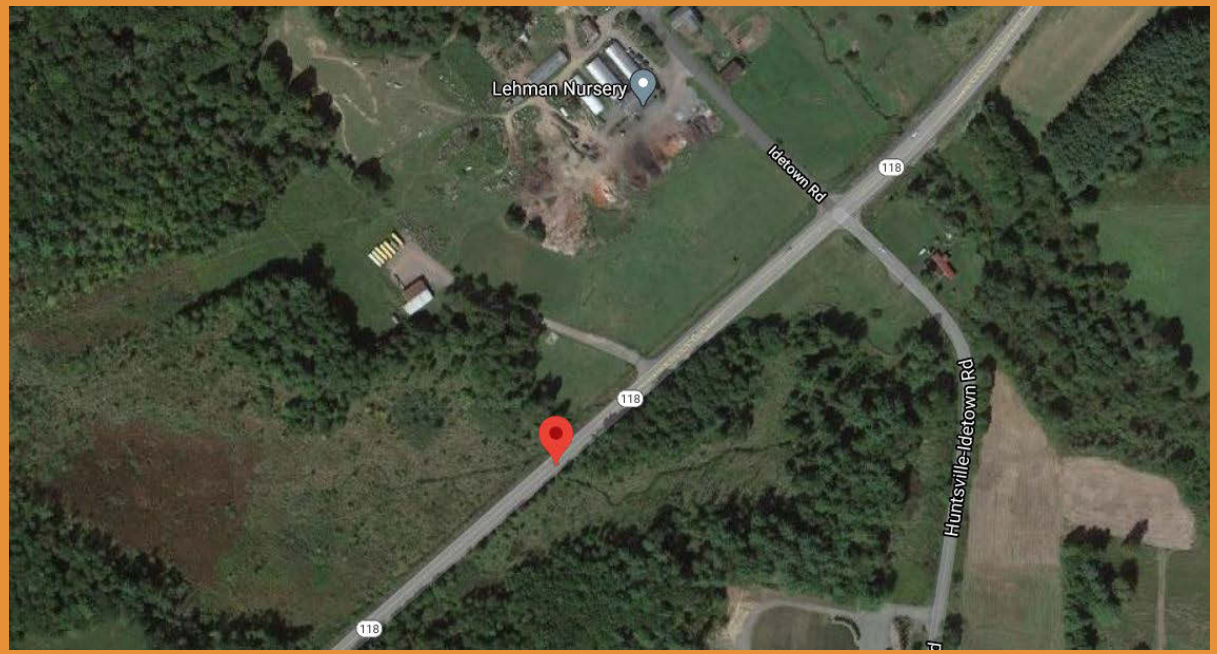
View of bank erosion from UNT in Fig. 73 just before it passes under Park Rd.

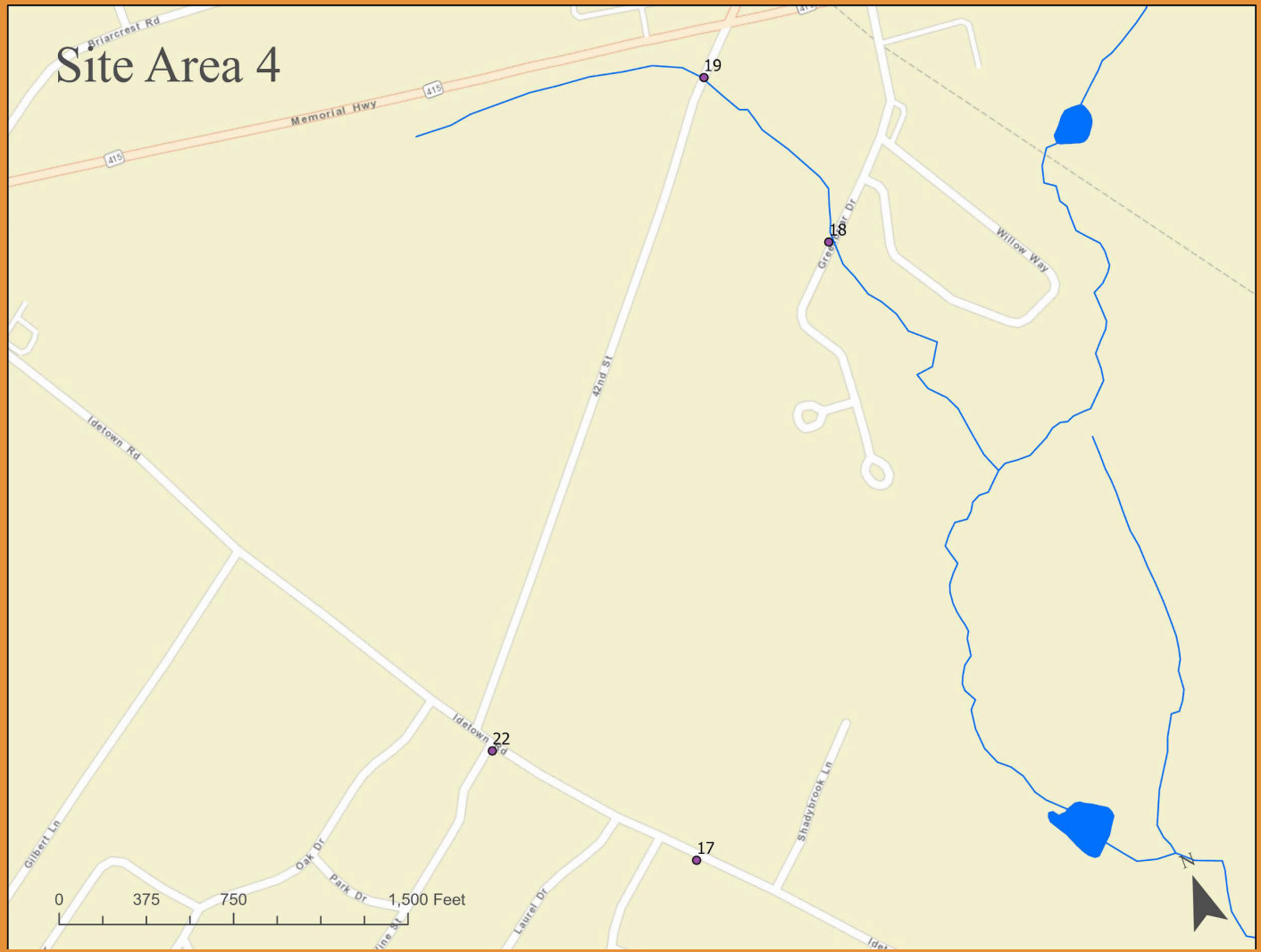
Near 16

View of wetlands on Lehman Nursery that feed into UNT in Fig. 73-77 on Park Rd., slightly closer to intersection with Idetown Rd.

Point 23

41.32921 ,-76.00418




Site Area 4
Briarcrest Rd
Memorial Hwy
415
19
18
Willow Way
42nd St
Idetown Rd
Idetown
22
17
Shadybrook Ln
Gilbert Ln
Oak Dr
Park Dr
Laurel Dr
0
375
750
1,500 Feet
N

Point 17

Downstream view of flow from Fig. 71 emptying in WL/HL on private property

41.336778, -76.009443

Point 17

Square culvert further down Idetown Rd. carrying SW through 18” concrete pipe under Idetown

Point 17

Close-up of pipe in Fig. 69

Point 17

Upstream view of concrete pipe from Fig. 70 on opposite side of Idetown Rd.

Point 18

Downstream view of UNT in Fig. 53-54.

41.341529, -76.005493

Point 18

Downstream of UNT and 5’ pipe that passes under road in Village at Greenbriar

Point 18

Upstream view of pipe in Fig. 54 on the other side of the road

Point 19

Downstream view of UNT in Fig. 57-59

41.343278, -76.006215

Point 19

Upstream view of UNT that crosses 42nd St under 6’ stone bridge

Point 19

Downstream view of stone bridge holding UNT in Fig. 57

Point 19

Upstream view of bridge on opposite side of 42nd St.

Near 19

Upstream of UNT that crosses through 5’ metal pipe in Village at Greenbriar

Point 22

Upstream view of drainage from 18” HDPE pipe connected to culvert in Fig. 61-62 and passing under Vine St. Also clogged

41.338310, -76.011263

Point 22

Stormwater drains into square culvert with two 18” concrete pipes before crossing Vine St.

Leaf litter clogging the flow of water through the pipes

Point 22

Close-up of one pipe in Fig. 61 and leafy debris

Resident complained it regularly fills and sends flow across road.


Site Area 5
27
26
25
24
21
20
E 42nd St
Goodman Rd
Briarcrest Rd
Memorial Hwy
415
0
250
500
1,000 Feet
N

Point 20

Closer look at other side of the culvert. Could not easily access view of the UNT on that side.

41.343162, -76.000024

Point 20

Upstream view of UNT into which Fig. 43-44 empty. Passes through rectangular culvert that passes under Rte. 415.

Point 20

Downstream view of culvert passing under Rte. 415.

Near 20

Drainage ditch just outside Back Mountain Dance Studio with flow that empties into UNT.

Near 20

HDPE carrying flow from Dance Studio’s parking lot into drainage ditch

Near 20

Collapsed headwall over drain just outside of parking entrance to Dance Studio.

Point 21

Downstream view of UNT in Fig. 48-50 after it crosses under Goodman Rd. and before it reaches Rte. 415 as seen in Fig. 44-46.

41.343963, -76.000273

Point 21

Upstream view of same UNT from Fig. 44-46 before it passes under Goodman Rd. A Black HDPE pipe empties into UNT unaligned from Welsh Lane.

Further upstream the UNT splits and then passes under E. 42nd St.

Point 21

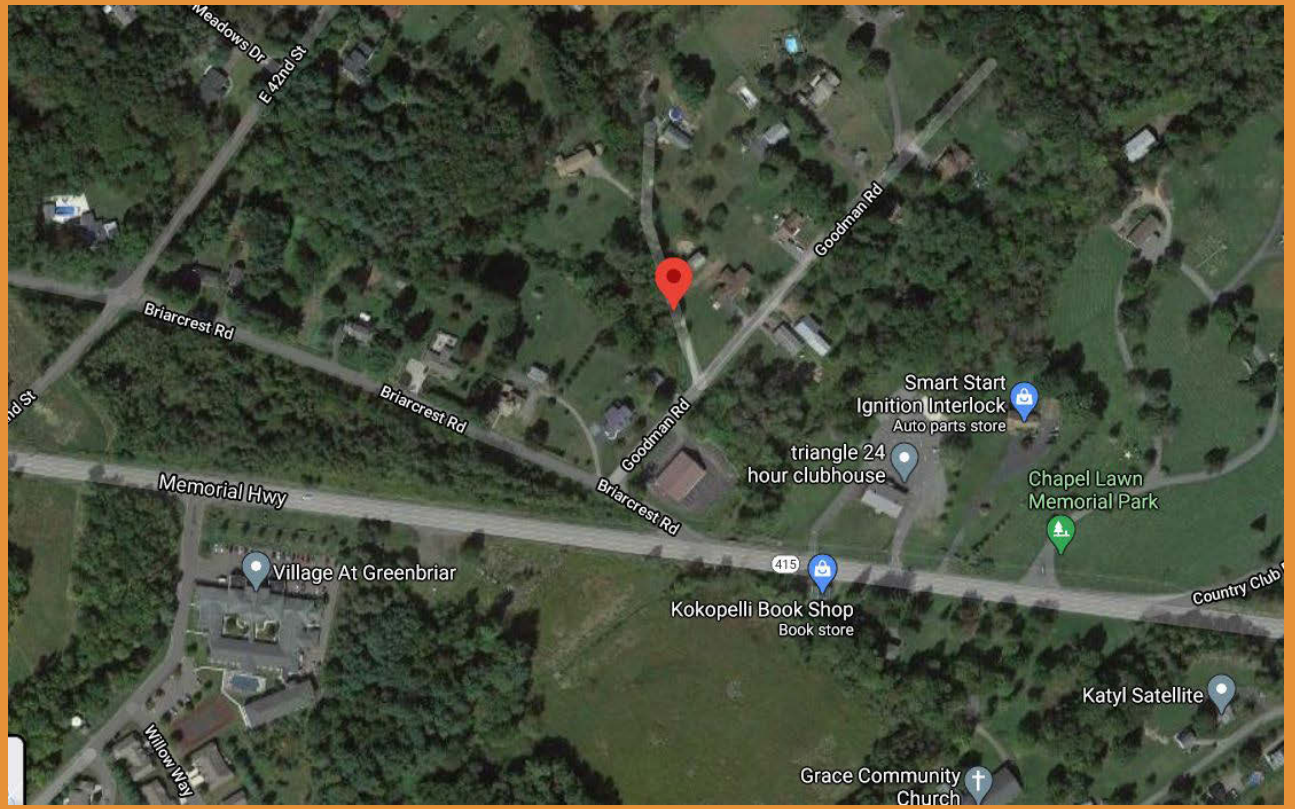
View of 2-3’ metal pipe carrying UNT under Goodman Rd. Pipe has some build up of sediment, but flow is level through the pipe relative to the UNT

Point 21

View of metal pipe from opposite side of Goodman Rd.

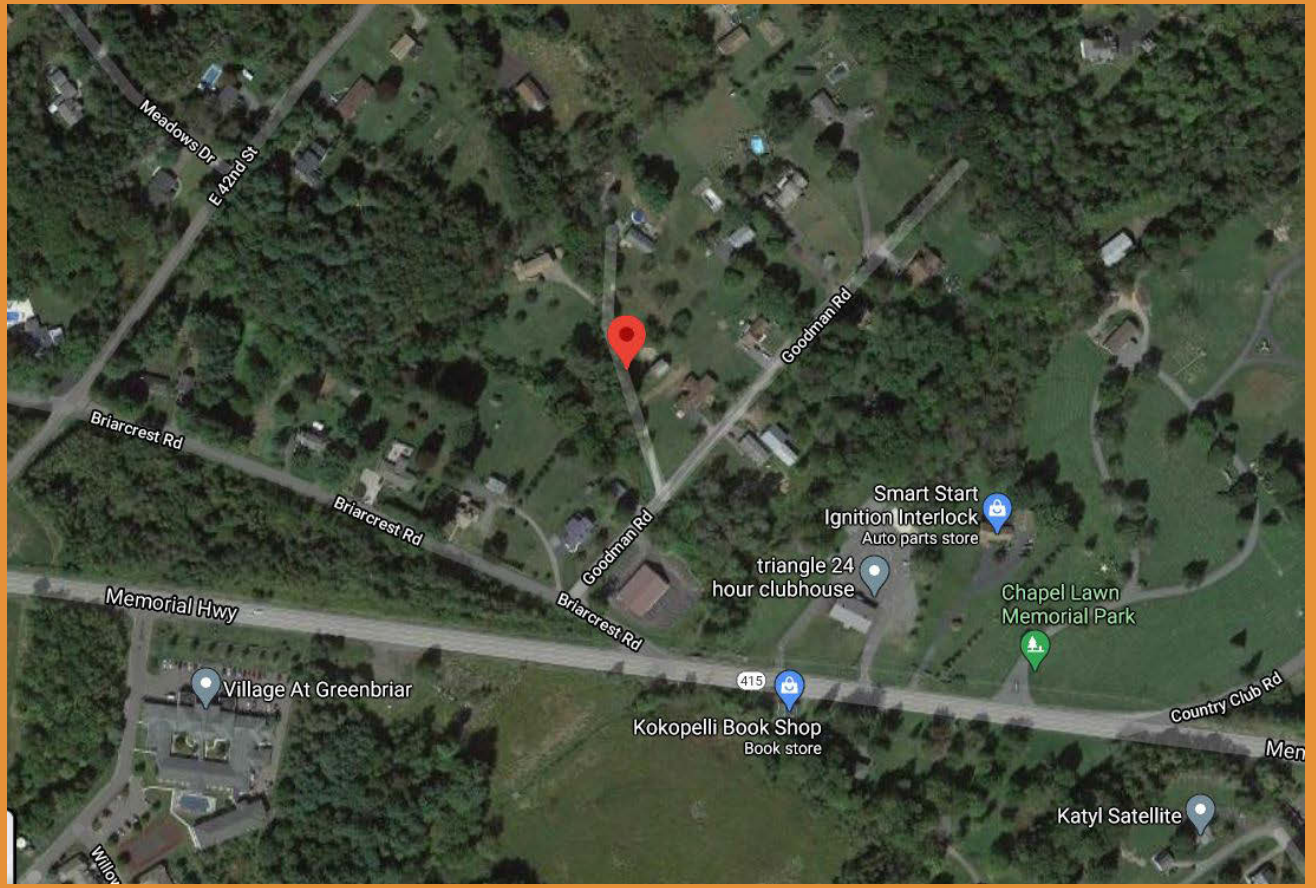
Point 24

41.34447, -76.00049



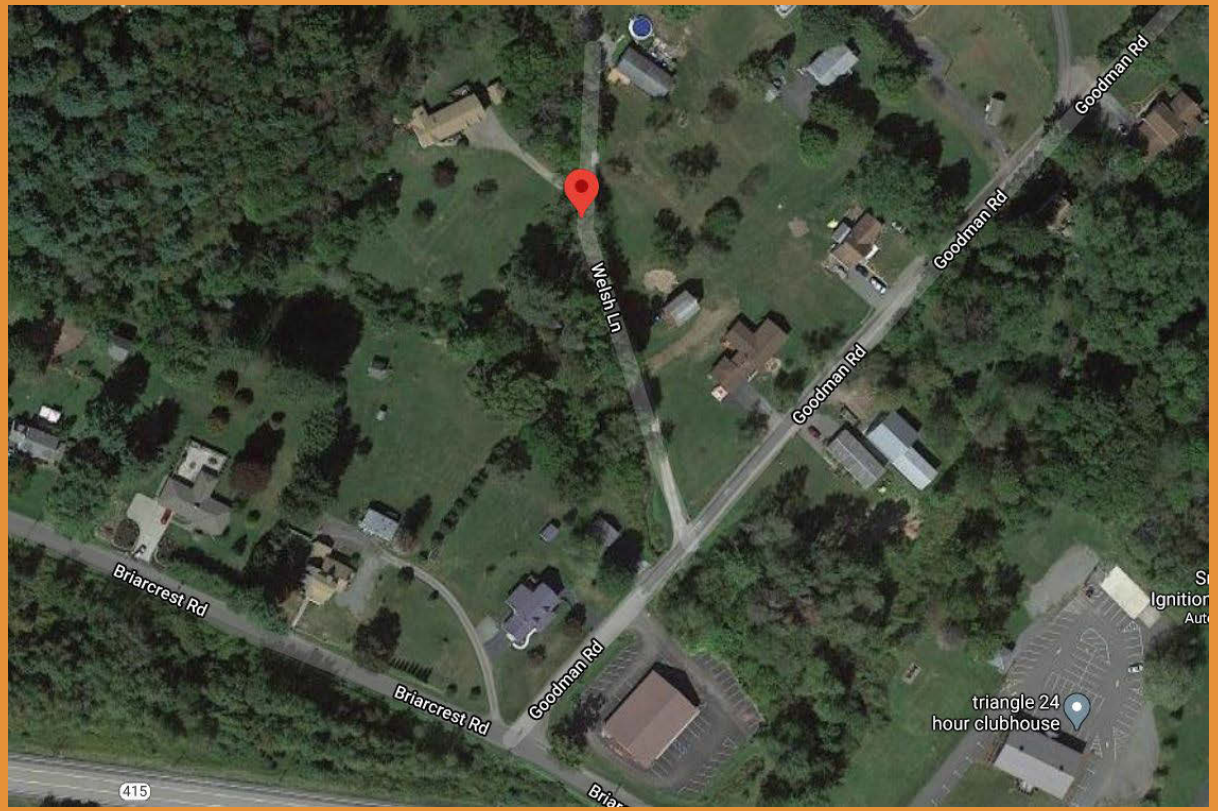
Point 25

41.34474, -76.00056



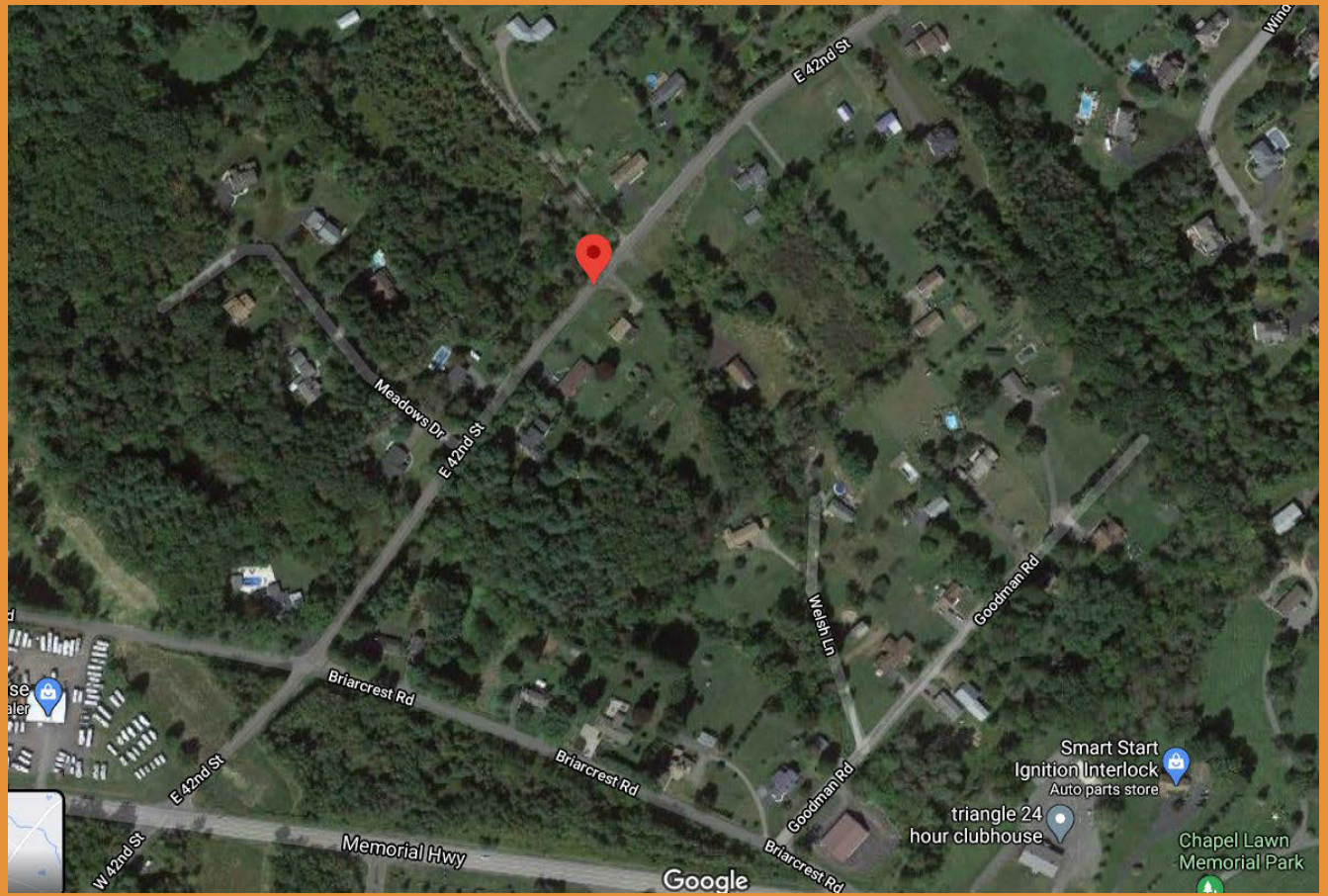
Point 26

41.34501, -76.00071



Point 27

41.34676, -76.00239




Site Area 6
Firehouse Rd
Andrea Ln
Outlet Rd
118
Lehman Twp
Lehman
Mill St
Meeker Rd
9
Market St
Mountain View Dr
Huntsville Golf Club
118
0
375
750
1,500 Feet
Lake-Lehman Jr-Sr High School
N

Point 9

Downstream view of Fig. 28. Drainage does not noticeably continue much further into wetland are that is part of a private yard

41.314734, -76.019182

Point 9

Upstream view of culvert that passes under Market St. Drainage spreads widely into the wetlands

Near 9

Upstream view of 30-inch corrugated metal pipe bringing drainage from Lake Lehman Early Learning Center. Pipe is corroded along base of the structure.

Taken 3/20/19

Near 9

Downstream view of Fig. 26. 30-inch concrete culvert passing under Market St.

Figure 64

SW drainage off Idetown Rd. with some blockage

41.309026, -75.990209

Figure 65

Square stone culvert with 18” concrete pipe

Figure 66

Upstream view of concrete pipe from opposite side of Idetown Rd.

Heavy scouring and collapsed headwall just above top of image

Figure 67

Downstream view of drainage from Fig. 62-63. Flow eventually meets UNT in Fig. 56-59.

Figure 80

Upstream view of bridge carrying UNT under Rte. 118. Could not access other side

Figure 81

Downstream view of UNT in Fig. 80. Appears as if UNT spreads widely during high flow events