

Browns Creek and its Tributaries

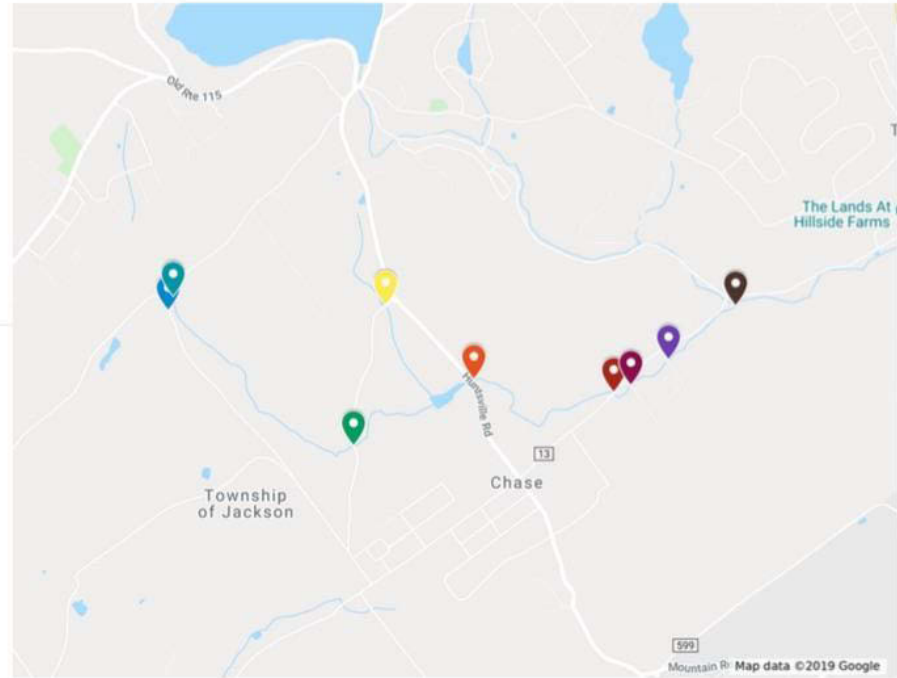
Photos were taken during high flow following several days of rain. Browns Creek was followed downstream until it met Huntsville Creek.



Browns Creek and its Tributaries

Browns Creek

- 1-4
- 5-10
- 11-14
- 15-18
- 19-23
- 24-27
- 28-31
- 32-35
- 36-39



Map of Figure Locations

Figure 1

Upstream view of unnamed tributary (UNT) to Browns Creek that passes under Gates Rd. through 3' HDPE pipe.



Figure 2

Downstream view of UNT as it passes through a pipe which is too narrow for the UNT.



Figure 3

Downstream view of HDPE pipe on other side of Gates Rd. This UNT meets Browns Creek at a T in the background of the photo.



Figure 4

Upstream view of pipe in Fig. 3 with very large scour pool impacting the bank below. A cascading waterfall prevents aquatic organism passage.

41.294018, -75.98865



Figure 5

Upstream view of major branch of Browns Creek before it passes under Follies Rd.



Figure 6

Downstream view of large concrete pipe that branch in Fig. 5 passes through



Figure 7

Another upstream view of Fig. 5, showing a rock wall built to direct flow into the pipe. Bank damage is present before the rock wall at the top left of the photo.



Figure 8

Downstream view of
branch in Figs. 5-7 after it
crosses Follies Rd.



Figure 9

Upstream view of Fig. 8 as the branch passes through a large, metal, corrugated pipe. It cascades downstream into a scour pool below (it appears the metal corrugated pipe was used to extend the concrete one in Fig. 6)



Figure 10

Another view of Fig. 9 with large scour and scour pool. The downed tree would need to be removed before reducing scouring.

41.294784, -75.988297



Figure 11

Upstream view of large wetland area further downstream from branch in Figs. 5-10, before it passes under Hardisky Rd.



Figure 12

Downstream view of wetland directed through 3 18" metal corrugated pipes under Hardisky Rd.

The wetland area is much wider than the three corrugated pipes can accommodate but it is directed through them.



Figure 13

Downstream view of
wetland area on other
side of Hardisky Rd.



Figure 14

Upstream view of branch
after it passes under
Hardisky Rd.

41.286567, -75.975021



Figure 15

Upstream view of large pond as it is directed under Hardisky Rd., forming another branch to Browns Creek



Figure 16

Downstream view of two 18" HDPE pipes allowing flow to pass under Hardisky Rd.; the flow is directed but could use much wider passage area.



Figure 17

Downstream view of
branch in Fig. 16 after it
passes under Hardisky
Rd.



Figure 18

Upstream view of branch in Fig. 17 after it passes through HDPE pipes. Scouring is present from high water velocity.

41.294298, -75.972671



Figure 19

A large pond forms downstream from where the first branch (Figs. 1-14) and the second (Figs. 15-18) meet.

The pond meets a natural dam and forms the main part of Browns Creek.



Figure 20

Upstream view of Browns Creek's main stem after the natural dam in Fig. 19



Figure 21

Downstream view of Browns Creek before it passes under Huntsville Rd. through a large winged culvert



Figure 22

Upstream view of Browns
Creek on the other side of
Huntsville Rd.

41.290210, -75.966379



Figure 23

Downstream view of
Browns Creek after
passing under Huntsville
Rd.

41.290218, -75.966185



Figure 24

Upstream view of Browns Creek near American Asphalt Co. with a large gravel bar deposition midstream



Figure 25

Downstream view of Browns Creek as it passes under a winged culvert below Chase Rd.



Figure 26

Upstream view of Browns
Creek on the other side of
Chase Rd.



Figure 27

Downstream view of Browns Creek after passing under Chase Rd. - From here it follows behind several houses before meeting Huntsville Creek.

41.289500, -75.955910



Figure 28

Upstream view before
Browns Creek passes
under Newhart Rd. (off
Chase Rd.)



Figure 29

Downstream view of Browns Creek passing under bridge on Newhart Rd.

There is damage to the bridge with steel supports exposed, potentially from high flow and heavy vehicular traffic.



Figure 30

Downstream view of Browns Creek after passing under Newhart Rd.



Figure 31

Upstream view on other
side of Newhart Rd.,
where bridge is
maintained

41.289891, -75.954637



Figure 32

Upstream view of Browns Creek before it passes through 36" metal pipe under side road off of Chase Rd.



Figure 33

Downstream view of Browns Creek funneled through metal corrugated pipe.

The creek is much wider than the pipe allows.



Figure 34

Downstream view of Browns Creek on other side of road near Chase Rd.



Figure 35

Upstream view of Browns Creek after pipe. It spreads widely to the same width as before the pipe.

41.291302, -75.951866



Figure 36

Upstream view of Browns Creek passing under small wooden bridge on unnamed road to The Lands at Hillside Farms.



Figure 37

Downstream view of Browns Creek before coming to a confluence with Huntsville Creek on The Lands at Hillside Farms property.



Figure 38

Downstream view of Browns Creek after passing under the bridge.

Very shortly downstream, Browns Creek meets Huntsville Creek.



Figure 39

Upstream view of Browns Creek with bridge, some damage to rock walls under the bridge.

41.294276, -75.946933

