

Hello, my name is Jack Quigley, and I will be writing the 2025 supervisor reports. This will be my fifth year working with the Hunter-Clyde watershed group. I have enjoyed every moment working with this group in the past and I cannot wait to have another great summer with the new crew.

Monday, May 5th

Today was my first day back at the office. I started the day by going through the Med kits and making sure that all the required items were present within them, I then continued to do general maintenance on hand tools, and the chainsaws. Afterwards we went to town to purchase supplies for the run for the river event, as well as needed materials for the med kit and sharpening supplies for the hand tools. We then went back to the office where I spent the rest of the day sharpening our tools.

Tuesday, May 6th

Today we spent most of the day on the Bannockburn Road helping UPEI students with collecting eDNA and fish data for their PhD and Masters. The day consisted of Victoria, Emma, and me helping move equipment, helping with electro-fishing, and recording data. After helping them we went to Central Queens elementary school to look at the area and take measurements for the rain garden we will be completing with the kindergarten class.

Wednesday, May 7th

Today we were in the office for most of the day doing office work, I finished tool sharpening and maintenance and cleaned the office. After lunch we finished up office work, I took the fuzz off some milkweed seeds. Finally, we then headed out to Forest Fish, and Wildlife to test out their new waterway simulator where we got to see theoretically what would happen in different situations within a watershed.

Thursday, May 8th

Today I was out for the morning. Emma and Victoria had a meeting regarding the Tree swallow banding project that we will be conducting later this year. In the afternoon myself, Emma, and Victoria went to summerside to attend the annual general meeting for the remainder of the day.

Friday, May 9th

Today, we started the day off with some office work, then we went out to rustico to collect all of the Run for the River designs from the grade 4-5 class at gulf shore. Afterwards we went to a few local shops to place info posters for the event. Afterwards we went to the farmhouse inn, Campbell Pond, and the hunter river park to check to see if the tree swallow boxes were occupied. Once we returned to the office, we selected a design for the Run for the River t-shirts, and I began to input the design onto the computer. Afterwards Emma and I went out to trout river to help Shayla remove a fish trap from the fish ladder.

Monday, May 12th

Today three new crew members joined the team, Callum, Anna, and Connor. Today we started off with introductions, signing forms, and reading the watershed policies. After which, we took the crew on a watershed tour, then went to do some tree checks on the Saint Patrick's Road west side, after which we went back to the office to have lunch and collect more GPS points. After lunch, we went back to St. Patrick's Road and completed tree checks on the east side of St. Patrick's Rd. then continued to McKeeman's on the St. Patrick's Road to do final tree check for the day. We then headed back to the office and had team bonding.

Tuesday, May 13th

Today, Anna, Callum, and Connor started the day by organizing the shed, and complicating some yard work. While they were doing that Emma, Victoria, and I were figuring out how to work the Cricut. Once we got that down, we made t-shirts for the rest of the day. At lunch I went to Cornwall to get a t-shirt press so that we could put the vinyl on the shirts.

Wednesday, May 14th

Today, Connor, Callum, Anna, and I started the day off by doing tree survival checks. We first went to the beaver meadow on Macleod Road, as there were 7 different maps for that location. We were not able to find many of the plants, whether they were not there, or we couldn't find them is uncertain. After that we headed to the Hopedale Road planting, where we had much better success, only missing a few trees, however within the patch cuts along the stream a lot of the plants that were not caged had died, however only one caged plant didn't make it. For the last tree check of the day, we went to the chestnut lane planting and were able to find all but one red maple. After completing that we headed back to the office for lunch and gathered things for headwater surveys. Everyone, including Victoria and Emma all went out to the Johnson Road and then Glasgow Hills golf course to complete the headwater surveys at both sites the water was present and flowing. After returning from the headwater surveys, we headed to Central Queens to remove the topsoil from the rain garden to make it easier for the students to dig out the garden.

Thursday, May 15th

Today, the crew went to David Butterworth's and spent the morning digging up trees for our tree drive next week. We were also joined by Trout River who was doing the same. Afterwards we went down to the stream to check the tree swallow boxes on the property. We then headed back to the office to unload the trees and put them in pots. After that Connor, Callum, and I went to the trout river office to get some high visibility vests for a roadside clean up. While we were doing that Emma and Anna went to the tree nursery to trade our eastern white cedar for eastern hemlock. We then had lunch and headed to all the nest box locations to check for tree swallow activity, that took the rest of the day.

Friday, May 16th

Today, we started off by heading down to Line Rd in Rustico to conduct a roadside cleanup. We walked a total of 1.6km up line road from the rustico side, then we walked back down the other side. Afterwards we stopped at mikes in rustico to do a tree check on the

trees we planted last year. Most of those trees were not looking good, and six of them were completely dead. After that we went back to the office and split up, Emma went to Campbells Pond to empty the garage cans. While she did that Anna, Connor, Callum, and I went to the tree swallow boxes across from Clyde Road to fix two of the boxes that had fallen to the ground. After that we came back to the office where Connor, Anna, and Callum pruned some of our trees before lunch. After lunch, Connor, Callum, and I headed out to Clyde Road to check for the success on the brush mats that were made last year. Then we went to the Macleod Rd looking for brush mats and cover logs. We headed back to the office to prepare for the Run for the River event tomorrow and cleaned the toolbox.

Saturday, May 17th

Run for the River Day!!!

Tuesday, May 20th

Today everyone went to the New London Road in New Glasgow to do a roadside cleanup. We ran out of bags on our first trip then went back to the office and got more, we then went back to the road and finished the cleanup and came back to the office for lunch. After lunch I went to the Dump and the bottle exchange, to dispose of our garbage we collected, while the rest of the crew went to Golf Shore to provide maintenance on the rain garden.

Wednesday, May 21st

Today we started off by heading out to New Glasgow to ask for permission to plant at one of the headwater streams in the Abelaine Farms field. After that we went to Rustico to go to the Home Hardware to pick up some drill bits meant for metal so that we could add screws into the bird boxes to support them. We then started checking tree swallow boxes, and any box that did not have a nest, as we didn't want to disturb active nests, we added the support. That took us to lunch, and afterwards Emma and Victoria went out with Carol Lee for a WMF site visit. While they did that the rest of the crew including myself went and finished checking and fixing tree swallow boxes. We then proceeded to head to a tree check site on the St. Patrick's Road, we were able to find most of the trees at that site, however afterwards my car got a flat tire, and it took the afternoon to get it back to the office.

Thursday, May 22nd

Today I was out today for my graduation; however, the crew conducted our monthly water quality checks (YSI+Depth logging), after lunch Anna, and Victoria stayed at the office to pot milkweed seeds, and then potted trees and for the tree drive, that was later that afternoon and it ended at 17:00h.

Friday, May 23rd

Today, I was an hour late, in that time the rest of the crew loaded trees to be planted at Chestnut Lane inn, I met the Crew at the Inn and we planted;

- 6 White Pine

- 12 Red Spruce
- 36 Red Maple
- 12 Yellow Birch
- 12 Service Berry
- 18 Wild rose
- 12 Red Elderberry

For a total of 108 trees. After lunch Connor gave the rest of the crew a presentation on beekeeping

Monday, May 26th

Today we went to New Glasgow to plant some white spruce trees at Bonnie's house in the morning. She ended up wanting more trees than we had originally thought so I made a trip back to the office while the rest of the crew planted the trees we had brought, in total we planted 24 white spruces as well as gave her 6 more that we transplanted from David's. After that we went to Brigades house and Summer Haven, to do some tree checks, then went back to the office for lunch. After lunch we went back to Bonnie's to finish planting and cleaning up the sod, then we went back to Summer Haven to plant at Holly's in total we planted;

- 12 Red spruce
- 12 Bay berry
- 12 willow
- 12 dogwood
- 12 rose

After GPSing all the trees we went back to the office, and I left to go to my appointment and the rest of the crew watered the trees.

Tuesday, May 27th

Today we started the day by collecting water samples and completing tree swallow nest box checks. This took us until lunch, after lunch we split up, Callum and I went to collect gravel for the rain garden, and the rest of the crew went to drop the water samples off at the lab. After that we watered the trees and moved the tree drive trees back to be watered. Then Anna, Callum, Connor, and Victoria went to Central Queens Elementary to drop the gravel off. While they did that Emma, and I went to home hardware to pick up gas mix for the chainsaws, we also went to Golf Shore Consolidated to look at the trail that we will be clearing tomorrow.

Wednesday, May 28th

Today we went to the golf shore and spent the day clearing their trail, both Emma and I were using the chainsaws while the rest of the crew worked behind us clearing the cut material. This took us till the end of the day.

Thursday, May 29th

Today, Connor, Emma and I spent the morning picking and loading trees into Emma's and my car, while Victoria, Anna, and Callum went to Central Queens to put planting fabric on top of the gravel in the rain garden, so that they could put the soil on top. After we finished with the trees the three of us went to the school to help with the soil. After that we took the trees to our furthest headwater, on the Fredericton junction road. We took these many trays of each:

- 7 Red maple
- 6 Willow
- 6 white birch
- 2 Balsam fir
- 2 white pine
- 2 red pine
- 4 larch
- 4 elderberry
- 3 rose
- 2 dogwood
- 4 spirea t
- 3 spirea L
- 3 aronia p
- 3 aronia M

This gives a total of 306 trees at this location. We spent the rest of the day planting.

Friday, May 30th

Today we started off by going back to yesterday's planting site, to finish planting the last few shrubs, GPSing all of the trees, and collecting all the pots. Anna, Callum, Connor, and I spent the morning doing this, at 10:30h the crew had finished digging holes and planting trees, so I took them out to the road where Victoria picked Connor and Anna up to go to a site visit. While they did that me and Callum went back to the planting site to finish GPSing all the trees. This took me till after lunch to do, once we got back to the office Callum,

Connor, and I went to Rackiums Pond to help WRIG cut a tree that had fallen into the parking lot, then we went to Bonnies to GPS all her trees. We then went back to the office to collect some buckets to get the last bit of gravel needed for the rain garden at Central Queens. While we did that Anna, Emma, and Victoria watered trees, moved pots around, and tied the yard.

Sunday, June 1st

Bird walks in the morning, and sea walk block party events in the afternoon.

Monday, June 2nd

Today, Emma and Victoria started their day off at a BAWG doing a forested point survey which took them to lunch. While they did that Anna, Callum, Conner and I went to Campbells Pond to remove bittersweet nightshade from the natural fish way, as well as around the pond. We ended up needing to go back to the office to get more bags around lunchtime, when we got back to the pond, we took lunch, then kept removing the invasive species until we needed to leave for Rustico to go planting at 14:00h. We planted.

- 6 roses
- 12 Aronia M
- 6 Arronia P
- 6 Spirea L
- 6 red elderberries

In total we planted 36 shrubs.

Tuesday, June 3rd

Today, Anna, Callum, Connor and I started the day off by doing our first tree swallow box check at the Hunter River Park, we then went over to Rosewood to put up a barred owl nest box for the residence. After that we came back to the office, Emma started at 09:00h, loaded trees and chainsaw gear into hers and my car and went to Jenifer on St. Mary's Road. At jennifers we planted:

- 6 Spirea L
- 6 Spirea T
- 6 Aronia P
- 12 Red pine

- 6 White birch
- 6 Red maple
- 6 Balsam fire
- 6 Red spruce
- Some of David's Butterworth's white spruce and one white pine

While the crew was planting at the top of the property, I went to the side and cut some of the fallen spruce trees to make room to plant new ones. After the crew finished planting, I continued GPS while Emma took the rest of the crew back to the office to take lunch. After I finished GPS saying I went to home hardware in rustic code to pick up hinges to fix the garbage cans at Campbell's Pond. Once I returned to the office, the rest of the crew had finished lunch. For the afternoon Connor went to Winslow to get gas for the lawnmower while he did that Callum whipper sniped around the buildings, and they then spent the rest of the afternoon cutting grass and cleaning the office. While they did that, Anna and I completed the rest of the nest box checks, dropped the high visibility vests off at the Trout River office, and fixed the hinges on the garbage cans at Campbell Pond.

Wednesday, June 4th

Today we loaded the cars then headed out New Glasgow to plant at Michelles. In total we planted 210 trees, we planted:

- 15 Red maple trays
- 10 White birch trays
- 2 Spirea L trays
- 2 Spirea T trays
- 2 Aronia P trays
- 2 Aronia M trays
- 1 Balsam fir tray
- 1 Serviceberry tray

We planted for most of the day, and while Connor and I GPSed trees, Anna, Emma and Victoria went to get watering cans/backpacks and wood shavings for the trees. We then spent the rest of the day placing wood shavings around the back of some of the trees in the sandier area and then proceeded to water the rest of the trees in need.

Thursday, June 4th

Today I started the day by heading down to the fishing line dispenser in Hunter River to fix it, as it has been stuck shut for the past few years. While I was doing that Anna

watered the trees and Callum & Connor took all the office garbage to the dump. After we all got back Anna, Callum, and Connor went out to Clyde River to help Hailey and the other UPEI students with E-DNA sampling. I stayed at the office for a bit, researching about building duck nest stands, and sharpening the chainsaws. I then went to Dave's snowmobile repair to buy a new chainsaw helmet, chaps, and chainsaw chain. Then when I got back, I did some repairs on the other saws and put the new chain on. The rest of the crew got back at 13:30h and had a late lunch, afterwards we went out to the confederation trail to do the last three tree checks.

Friday, June 4th

Today we spent the morning planting in both rustico and summer haven. We planted some of David's white spruce at Margret's, rose and aronia m at Jake's, and bay berry at Janet's. Anna and I went to Campbells Pond to fix up the pollinator garden, plant dogwood stakes, and collect willow stakes. After that everyone came back to the office to have lunch. After lunch Callum and I went out to Campbells Pond to cut the grass and help load the nightshade bags into Sarah's truck. While we did that Anna, Connor, Emma, and Victoria went to the Ellis and Knox properties on MacLeod Road and planted:

- 2 hemlock trays
- 2 yellow birch trays

After that we came back to the office and packed up for the weekend.

Monday, June 9th

Today, Anna, Callum, Connor and I went out and collected a few of our Marco-invertebrate samples, at four of our depth logger sites, while doing that we also conducted our weekly tree swallow box checks. Emma and Victoria spent the day getting supplies for the chainsaw training tomorrow, as well as finishing designing and printing posters for a volunteering event coming up in a few weeks as well as preparing for another AGM tomorrow.

Tuesday, June 10th

Today we started the day off by heading to Janet's property to remove/ maintain the invasive Japanese knot weed. We spent the morning cutting all the new stalk, removing debris from the top of the tarp, and patching the holes in the tarp. We then went and bought new tarps to cover the extra area where it had sprouted. We then went back to the office to collect some other materials we would need like wood shavings, staples. After we had lunch, we loaded both Anna's and my car then proceeded to return to Janet's. Once we got there, I dropped Emma off and then kept going to the Rustico Home Hardware to pick up weatherproof duct tape which we used to patch some holes in the tarps. While I got the tape Anna, Emma and Victoria spread the wood shavings on the area. When I got back, we fixed the tarps and then spread them out over the area where the invasives had grown. This is an extra safety precaution, I stapled the end of the tarp to the side of an old shed so that as a little light as possible could get in we started to tape the terms together, however, ran out of

time, as both me and Anna had to go to the incinerator with the invasive species that we had bagged. So, we will have to finish this project soon.

Wednesday, June 11th

Today, started off by Anna, Emma, and I heading to Gulf Shore school in rustico to watch the re-opening of the trail that we had cleared in a previous week. The KA class was there, and said some words for us, and MLA Brad Trevors was there to say a few words and play a song for the children. While we were at the school, Victoria started her day by stopping at Mcphail woods to collect all the plants going into the rain garden at central queens. Once we finished at the school, we met Victoria at the office and gathered some materials for some activities with the pre-school. We planted milk weed with the older kinds and then did nature art later with the younger kids. Afterwards we went back to the office to do some office work and water the trees. After lunch we went back to central queens to finish the rain garden by putting in the draining gravel and planting a variety of wetland plants. After that we went back to the office and unloaded all the supplies.

Thursday, June 12th

Today, Anna, Emma, and I started by heading to rustico to buy some duct tape to finish coving the knotweed patch at Janet's as well as going to talk to the Birkentree farms to ask for permission to remove wild cucumber by the stream on their property. After that we finished at Janet's which took us till lunch. After lunch Anna and I sharpened tools, and then we all got ready to go to Campbells Pond to put fresh soil and mulch in the box as well as plant a plant in the pollinator garden.

Friday, June 13th

Environmental funday till 12:00h. After lunch we went out to rustico to put up our event posters, as well as remove wild cucumber from line road however after we found spots for all of our posters we didn't have enough time to get to line road so we headed back to the office to pack the tables and signs into my car for the river bank heritage day event tomorrow.

Saturday, June 14th

Riverbank Heritage Day (@ TREC), I dropped off the table, tent, and poster boards at the site at around 10:30h, then Anna and Connor ran the booth for the event which lasted until 15:00h and they left shortly after that.

Monday, June 16th

Today is Harriet's first day back! We started the day off by heading back to Line road to remove wild cucumber. We started on Mike's property from the start of his fence to about ~10m into the bush. After that we took the bags to the car and had lunch then we headed to Kat and Jacob's property further down line rd. After seeing that most of the wild cucumber was in a hedgerow of hawthorn, I decided to come back another time with the proper gear, as I did not want to risk anyone getting stabbed. We then went to Mike's house so that we could start where we ended off at the end of his property and continue to do that until about

15:15. After we loaded the bags into the car, we then did two Tree swallow box checks at both the farmhouse and Janet's and then headed back to the office to unload my car.

Tuesday, June 17th

Today, Anna, Connor and Callum spent the day at the first aid course at the farm centre in town, Victoria and Harriet were in the office, Emma and I went out to Cavendish Grove to help Parks Canada remove garlic mustard for the whole day.

Wednesday, June 18th

Today, I was late getting to work, so I met Anna, Emma, Calum, and Connor at McLoud road where we proceeded to plant hemlock and black spruce in the pine plantation, as well as larch and willow in the beaver meadow. In total we planted:

- 12 Willow
- 12 Eastern Hemlock
- 6 Black spruce
- 12 Eastern Larch

After that, we went back to the office to have lunch. Afterwards, Emma and Connor stayed at the office, as Connor had to leave early and Emma had some computer work to do. Harriet and Victoria went to town to buy some supplies for the event tomorrow. While they did that Anna, Callum, and I went to check on the nest boxes that had some unknown data from Monday's checks. We then went to Line Road to continue removing wild cucumber for the rest of the day.

Thursday, June 19th

Today Callum and I spent the day doing the monthly YSI and depth logger data collection. Afterwards we came back to the office and cut the grass, and I helped plan for tomorrow. While Callum and I did this the rest of the crew got ready for the planting event at the preserve company. After the completion of this event, they then went to gulf shore to start a 12-year project where they will plant trees with each kindergarten class each year so they can watch them grow over the years. They then returned to the office and started transplanting some more oaks, helping with yard work, and watering trees. Also, Emma and I filled out some forms for finalizing the funding for the year.

Friday, June 20th

Today, Anna, Callum, Connor, and I were back at Line road removing more wild cucumbers from the field's edge and some more intensive removal from the woods area. In total we collected 19 bags of invasive wild cucumber today. At 13:45h we then came back to the office to help rearrange the office, water our remaining trees, unload the invasive species and pack up for the weekend. While we were out collecting invasive species, Harriet and Victoria went to town to get some supplies, as well as starting to rearrange the office, and at one point they went out to a few of our tree swallow box locations with Matt Ginn to band 4

of the adult tree swallows, all of which were female, and check on the chicks to see when he should come back to put bands on them. Emma was out for the day today.

Monday, June 23rd

Today is the first day for our summer high school students, Levi is back, and Dara's first year! Today we started by getting the new crew members to read the policy's and sign all our forms, while Anna folded all our Hunter-Clyde pamphlets, and Callum, Connor and I built a shelf that we bought on Friday. Then we all went to Campbells Pond to remove Bittersweet nightshade while we waited for Matt Ginn to come banding the baby tree swallows. At lunch we ran out of bags so we loaded Levi's truck with all the filled bags and sent him to the office to unload them and pick up some more so we could continue after lunch. After lunch we went down by the depth logger, and continued removing the invasive species, until 14:45h, we ran out of bags again, we then loaded all the bags into the truck, and I sent Levi and Dara back to the office with them. The rest of us loaded our gear into the car, took pictures of the nest boxes, then also headed back to the office. I left at 15:20h to go to an appointment, the rest of the crew split into two groups and completed the rest of the tree swallow checks for the week. Matt didn't end up getting time to come out with us, so we will be banding another day.

Tuesday, June 24th

Today, we started off the day by splitting into two groups. Levi and Dara went to the dump in New London to get rid of the excess boxes and office waste that we had from cleaning the office. While they did that Anna, Callum, Connor and I went to St. Patricks Road and Rt. 13 culvert to finish collecting the rest of the macro-invertebrate samples. After that we went back to the office to refrigerate our samples and to pot the rest of the oaks. After that we loaded Levi's truck with Barred owl nesting boxes and a ladder, then we headed to four different sites. First was Heather & Russel's wooded property, then to Dara's Parent's property, then we went to Johnston on Bob Budd's property, and finally we went to Golf Shore school. At each location, the boxes were placed around 15m up in hardwood trees and fixed to the tree from the top and the bottom of the tree they were marked on the gps as BOB (Barred Owl Box). Emma was out today.

Wednesday, June 25th (Connor and I are at watershed specific chainsaw training)

Today the crew went out to Fredericton, on Jeff Weeks's farm, to lay down jute and tack it into the ground, as well as help in the construction of a few rock check dams, with the goal of helping reduce the amount of runoff from the fields.

Thursday, June 26th (Connor and I are at watershed specific chainsaw training)

Today the crew started off heading to the Joyriders, horse stables next to Chester's property tree planting next to 96 trees. In the afternoon Emma and Levi went to the incinerator three times to dispose of both the nightshade and wild cucumber invasive's. While they did that Victoria and Anna went to Catherine's to plant seven trees and then proceeded to go to four of our depth logger sites, Route 13, Hopedale, Macleod, and Johnson to remove the depth loggers. Callum cut the grass, weeded the flower bed to get rid of the gout weed, and wiper-sniped around the building.

Friday, June 27th

Today we started off the day by going out to Campbell's Pond to do lawn maintenance and to clear a path down to the bird boxes for easy access. While me and Connor cut the grass and whipper snipped, Levi and Anna used hand snips to cut around the bird boxes as we didn't want to disturb the nests about halfway through whipper snipping we ran out of wire so me and Connor went back to the office to get some more while Anna and Levi continued. While we were doing that Emma and Harriet went to town to pick up some med kit supplies, chainsaw, supplies, and a few C clamps so we could clamp the roof racks onto Levi's truck to transport the canoe. When they returned from town, Levi went back to the office and got the canoe, then Emma came out to the field with him for the rest of the day. We then used the canoe to reach the nightshade in the deeper portions of the pond, as well as clearing some more of the front of the pond. At around 15:00h we proceeded to put all of the bags into Levi's truck and load up the canoe, Levi and Emma went back to the office to unload the canoe and then went to the incinerator to get rid of the bags we had collected. While they did that Anna, Connor and I went to one of the property owners of St. Mary's Road to ask for permission to chainsaw, create brush, mats, and plant trees. After that, everybody came back to the office and we packed up for the weekend.

Monday, June 30th

Today we started off by Connor and Callum heading out to tree swallow box checks, while I taught Anna and Dara how to identify macro-invertebrates and got them started on tallying our samples. After that Levi and I went out to Stanhope to pick up our oaks, then went to town to get some office supply's, chainsaw gear, and to drop off the depth loggers to the watershed alliance. While we were in town Anna, Callum, and Connor went to Janet's to check on the knotweed project and cut the stalks that were growing. After that we all went back to the office to unload the oaks and have lunch. After lunch Anna, Connor, Emma, and Victoria went out to plant at David's, while theory did that the rest of the crew went to Gulf shore to fix the bird box and do some maintenance. At the end of the day we got a message from Matt saying he was coming to band the tree swallows, so Anna and I stayed at the office after work to help him.

Tuesday, July 1st

Canada Day booth with WRIG! Today, Callum, Connor, Dara, Levi and I met at the office, gathered all the trees and items we needed for our booth in Rustico. We took around 110 Northern Red Oaks with us and returned with we sold just about 50 of our trees and 36 of WRIG's trees. We stayed till just after 15:00h then packed up and I headed back to the office to unload all of the supplies and trees.

Wednesday, July 2nd

Today the crew started off by watering trees, counting macros, fixing owl boxes, and gathering supplies for the day, while Emma, Victoria, and I made a plan for the day. After that was done, we headed out to the St. Mary's Road to first ask for permission to chainsaw on the St. Mary's stream, and then we did a quick stream side cleanup, followed by going to Jennifer's to cage her trees that we planted. After that, we went back to the office to have lunch and gather the supplies we needed to put up barred owl boxes. We put the first barred

owl box up on the trail system at Glasgow Hills golf course, and the second box went up on the left side of McLeod Road. After that, we headed back to the office and packed up for the day.

Thursday, July 3rd

Today, everyone except Harriet and Victoria went out to Oyster Bed Bridge with the WRIG and Invasive Species Counsel to remove a garlic mustard infestation from a property. At lunch we returned to the office Emma, Dara, and Connor went to our first Beech Hut Information Booth of the year. While they did that, Anna, Callum, Levi, and I started packing our supplies for the evening. We first went out to Central Queens to mulch and water the rain garden, we then went to Chestnut Lane to water and prune the trees and shrubs that we had planted earlier in the year. After that we went back to the office and spent the rest of the day watering trees and getting ready for tomorrow.

Friday, July 4th

Today was Watershed Training Day. All the field crew headed up to St. Peter's Bay Climate change centre where we were given a few presentations on a few different topics such as safety, invasive species, and watershed projects. After lunch we headed up somewhere in Goose River and attended a site visit where the local watershed showed us one of the streams they've been working on and that took us till the end of the day.

Monday, July 7th

Today we packed up the chainsaw gear and headed out to Chesters's property for the day. Everyone started the day out in the field removing invasive species while Connor and I started clearing logs and debris from around the area where we will be planting on Thursday. Emma and Levi started doing incinerator runs, and Harriet went back to the office. The rest of us kept piling brush and logs and bagging invasive's. Afterwards, we took all the remaining bags to the top of the hill for easy removal later, then packed up and headed out back to the office.

Tuesday, July 8th

Today, everyone packed the cars for Japanese knot weed removal at rosewood with some volunteers. Levi and Anna after a while took the filled bags to the incinerator, Victoria went to town to buy more bags. Callum, Connor, and I spent the day cutting down the knotweed and cutting the stems down to the ground with the chainsaws and brush saw. The volunteers helped bag the knotweed and planted some trees and shrubs along the other side of the confederation trail. There were a few downed trees and other obstacles that we had to cut and move out of the way, however we did not finish this project today so we are coming back tomorrow with WRIG and TREC.

Wednesday, July 9th

Today the crew started the day off by heading back to the knotweed patch at rosewood, pulling and banging all the previously cut stalks. While they were out doing that, me and Harriet stayed at the office, I sharpened the brush-saw and the chainsaws then we

met them at the patch. Most of the TREC crew also showed up to help with sawing and bagging. At lunch time the heat got to be too much so we all left the site and went back to the office for lunch. After lunch we got notified that the stationary bat monitors were getting dropped off, so Levi and I loaded up the canoe to place the monitor at Campbell's pond, and Victoria and Anna went to place the other two. While we did this the rest of the crew went to the planting site for tomorrow to clear out some more fallen trees.

Thursday, July 10th

Today was another volunteer planting and invasive removal, this time we were on Chester's property. We were removing small balsam from three different patches on the property, there were also some small patches of nightshade as well. At each site we started by removing as much of the invasive species as possible in then we proceeded to plant the trees and shrubs After all the volunteers left Anna and I stayed and GPS'ed the trees and while we did that the rest of the crew packed all up all the tools and headed back to the office to water the trees and mow the lawn. Connor and Dara were off for the day today.

Friday, July 11th

Today Connor, Dara, Emma, and Harriet were off so the rest of the crew started the day off by sharpening the brush-saw, chainsaws and the lawnmower before heading out to rosewood to continue cutting and bagging the knotweed, we then started removing some of the large debris and sniping the remaining knotweed stalks flush with the ground. After that we headed back to the office for lunch, after which we took both Levi's truck and my car and loaded them with all the invasive species bags from Chester's. We took them to the incinerator then headed back to the office. For the rest of the day the crew worked on finishing the lawn and cleaning the office.

Monday, July 14th

I was out for the day today; however, the crew went back to continue work on the knotweed patch at rosewood. At lunch Levi and Callum went on a dump run and picked up some hay for the duck boxes. After lunch the crew was back at the office, watering trees, cleaning the shed, and recording the depth logger information on the computer. Later on in the evening I conducted our driving transect for the bat surveys.

Tuesday, July 15th

Today, Anna, Callum, Connor, and I went back out to the knotweed patch at rose wood and removed some more of the debris from the patch, as well as took some measurements to help with tarp placement. We also looked at the situation with the invasive species going down the hill and took pictures and cleared some shrubs out of the way of a wooden deck that was in the way. While we did that Emma and Levi went out to the campbells pond branch to collect the depth logger and the bat monitor. After this we all took lunch and then Anna and Connor went to beech hut, Callum and I went to pick up the other bat monitors, and Levi started building our duck hen houses. After Callum and I returned, Levi had finished building the hen houses, so he and I counted macros and Callum cleaned up the goutweed from the garden and put away some of the tools from earlier in the day.

Wednesday, July 16th

Today we started off by heading down to Anthony's property on the Fredericton Junction confederation trail to cage the trees that we planted in May, we stayed there until about 10:30h after that we split up, Callum and Connor went to do tree swallow survival checks, Dara stayed at the office to count macro invertebrates, and Anna, Levi, and I went to ask for permission to conduct bat colony counts, and then headed to Rustico to buy Zipties for caging trees. We then all headed back to the office for lunch, Callum and Connor continued doing swallow checks after lunch, Anna did some research and the rest of the crew took turns counting macros for the rest of the day.

Thursday, July 16th

Today the crew started off by heading out to Anthony's to finish caging the trees. After that Anna and Callum went off to conduct the YSI for the month, Victoria went back to the office, and the rest of us headed to Saint Mary's brook to conduct a stream assessment after which we headed back to the office to have lunch. After that we went to north Rustico to start a beach cleanup. Anna and Callum helped for a bit then went to finish the YSI route, and then proceeded to drop off the YSI unit at WRIG. We then all packed up and headed home for the day.

Friday, July 19th

Victoria and I are off today. The crew started off at Campbell's pond to cut the grass, remove invasives and pick up garbage. Then the crew caged 34 white birch and red maple at Michelle's then came back to the office for lunch. Afterwards they went to central Queens to install a duck tube and planted native shrubs and flowers then went to David's with the intentions to install the duck tube but ran out of time.

Monday, July 21st

Today Emma and Levi went to David's to install the duck tube, and the rest of the crew went to Chester's to remove more small balsam. At 10:00h I joined the crew at Chester's, and at 10:30h we left to do a stream assessment at St. Mary's. At lunch I went back to the office to grab the chainsaw gear, and afterwards we started to clear a trail and the stream until 15:15h then we packed up and headed back to the office for the end of the day. Once we got back we sharpened the saws and inventoried our remaining trees then headed out for the end of the day.

Tuesday, July 22nd

Today the crew packed up the vehicles and headed back to St. Mary's to continue clearing the stream, at about 11:30h Callum and Levi went to go pick up the invasive species bags from Campbell's pond and Chester's then went to the incinerator. Afterwards, the two of them went to a beach hut in Cavendish, and then came back to St. Mary's to pick up the chainsaw gear. Everybody then headed back to the office to unpack for the end of the day. In the evening Anna, Callum, Connor, Dara, Levi, Victoria and I did a bat survey on the house and the shed of 5541 rt. 13.

Wednesday, July 23rd

Today we started the day by heading back to Anthony's in Fredericton to remove Nightshade. At around 11:00h we loaded the bags into Levi's truck and he headed to the incinerator with Connor and the rest of us went out to rustico to do a beach cleanup. After that I went to go look for permission to do a bat survey then headed back to the office. At the office we watered the trees, removed the loose asphalt from the driveway, recorded mileage and got the stuff ready for the bat survey tonight, after that we packed up and headed out for the day.

Thursday, July 24th

Today we started off by heading out to Saint Mary's to continue clearing the stream and marking brush mats. We did this until 12:30h then we had to pack up as the wind was getting too strong to stay under the trees. After that we all headed out to Anthony's again to remove more nightshade. At around 2:30 Callum and Levi went to the incinerator. I dropped Anna and Dara off at Chesters where Emma, Harriet, and Victoria met them to survey the flow and depth near the culverts and bridge on the property. While they did that Connor and I went back to the office to do saw maintenance in preparation for tomorrow. After that everyone met us at the office, and we packed the stuff for RCP into my car for tonight.

Dara, Emma, and I went and set up a booth for the River Clyde Pageant in New Glasgow at 18:15h.

Friday, July 25th

Today, the crew started the day off by heading out to Chester's to go check out a potential brush mat location, we had the intention of building the mat however we decided against it as it didn't look suitable. After that, at about 09:00h, we headed out to St. Mary's Rd to build a brush mat and continue to enhance the stream. We did this for the rest of the day, when we got back to the office we got all the supply's ready for the River-Clyde pageant for tomorrow.

Monday, July 28th

I was out for the day today, however the crew spent the morning by heading out to Rosewood to continue on the knotweed patch. Since we had left it for a while some small stalks were growing so they cleaned them up and then piled all the debris off to the side. In the afternoon the crew then cut and bagged all the remaining stalks that were in the other patch. To the left of the larger patch.

Tuesday, July 29th

Today, we started the day off at Rosewood and started cutting and bagging the knotweed on the hill, once we finished that we went back to the office. Emma and Levi went to go pick up the chainsaws, Me and Connor sharpened tools and the rest of the crew got all the gear ready to go out to the streams for the afternoon. After lunch, we headed out to St. Mary's to continue stream enhancement, as well as conducting a riparian garbage cleanup. At 12:00h Anna and Victoria went to rustico for an event in the Seawall Park, Connor and

Myself went to Beach Hut in Cavendish To talk about invasive species. While we did that Callum, Emma, Dara, and Levi continued the stream maintenance.

Wednesday, July 30th

Today, we spent the morning at the office. Callum and I sharpened the saws, Anna and Connor cleaned the office, Dara watered the trees and Levi mowed the lawn. While we did that Emma, Harriet, and Victoria went to summer haven for a site visit for some living shoreline funding. After the saws were sharpened the crew headed out to St. Mary's and Built two brush mats then headed up stream to continue to enhance the stream as well as deal with a tree that had a hanging branch over the stream. Emma joined the crew at lunch and this took us till the end of the day.

Thursday, July 31st

Today we started off the day by heading to TREC's office to help them pull some invasive species on one of their streams. After we finished, we took lunch at the office, then I filled out our bat data sheets for Johnny's house, Anna, Dara, and Emma made some more milkweed packets, Callum and Connor fixed and sharpened the chainsaws. After we finished the crew headed out to Chester's to build another brush-mat. After that we went back to the office for the end of the day.

Friday, August 1st

Today Victoria and Dara went to Rosewood to clear the trail to the depth logger, then came back to the office and counted macro- invertebrates until lunch. At lunch Anna, Callum, Emma, Levi and I met them at the office, and we packed up and headed out to St. Mary's Rd to continue stream enhancement, and we also constructed our fifth brush-mat. After that we headed back to the office to sharpen the saws and water the trees before heading out for the weekend.

Monday, August 4th

Today everyone packed up the electrofishing gear and headed out to Andrews to conduct our yearly electrofishing inventory. We set up our 50m survey area, and shocked it three separate times. We then measured and identified all the fish caught, then after all the passes were complete we released the fish, and packed the things. After lunch we headed out to McLeod Rd, Harriet headed back to the office, and we then repeated the same process, however we needed to do a 4th pass, so it took us until 17:30h to get back to the office, then we unloaded everything and headed home for the day.

Tuesday, August 5th

Today was our second day electrofishing. We went to both the main branch and moffad's and used the same methods as yesterday. On the main branch we had to conduct 4 passes as we fought more on the third pass then we did on the second, and we conducted only three passes on the other. We also worked late again ending our last pass at 17:30 and then leaving the office at 18:00h.

Wednesday, August 6th

Today was our third and final day of electrofishing, we conducted surveys on both line rd and farmhouse inn. Today we only had to do three passes at each site and used the same methods as the previous days.

Thursday, August 7th

Today Anna and Dara went to help WRIG with their electrofishing survey, Callum and Connor went to David's to cut brush to help out a fellow watershed and for our brush bundles, and Levi and I completed a dump run, trail maintenance at the park and cut the grass at Campbell's pond. Emma and Harriet stayed in the office to complete some computer work.

Friday, August 8th

I was out for the day today, however the crew went out to help WRIG with their second electrofishing site. This took them most of the day and when they returned to the office, they watered the trees and did some maintenance on the saws before they cleaned up and headed out for the weekend.

Monday, August 11th

Today the crew started the day off by heading out to line Rd to complete a riparian zone garbage cleanup. After which, we returned to the office and started filling a tub to dunk our trees to make sure the soil is really saturated. I also did some research on how to construct brush bundles. Callum and I took apart one of the chainsaws to clean it up, and we also counted some more macro-invertebrates.

Tuesday, August 12th

Today the crew started out by heading to Chester's to assess the size of the invasive starwort, they only assessed down to the bridge as there were horses by the stream that they didn't want to spook. After they did that the crew went back to the office, Callum and Connor finished doing maintenance on the chainsaws, Levi watered the trees then proceeded to help Dara with macro-invertebrate counting, and Anna's made a list of activities that we can do at outreach events. After lunch Callum, Connor and Levi went to the beach hut, and the rest of the crew went to North Rustico Fun Day in the Park and that took them to the end of the day.

Wednesday, August 13th

Today we started the day off by heading to the headwaters on Johnston road and finding out how far upstream the water had dried. This took us most of the morning, and then we went back to the office. After lunch we headed out to south rustico beach to do as beach cleanup, which took us most of the afternoon, after that I went to go pick up the YSI, and Levi and Dara went back to the office and finished counting macros, when we got back we cleaned a bit then went home for the day.

Thursday, August 14th

Today, Callum and I went and collected bottles from the analytic lab in Charlottetown to collect water samples. Afterwards we completed the monthly YSI and depth logger route and collected the water samples at each depth logger site. After we had finished, we then took the samples back to the lab and then went to staples to print posters for our tree ID walk. While we did that Connor and Levi went to BEMA to drop off the microscopes that we were using for Macro-invertebrates, Anna and Dara stayed at the office and watered our trees, checked the functionality of our tents, and put all the macro invertebrate data into a spreadsheet. After that they then went to look at the knotweed patch at rosewood and look at the glossy buckthorn at the park. Today we had a short day and everyone left at lunch or a bit before except for Callum and I. Today was also Dara and Levi's last day for this summer

Monday, August 18th

Today was staff appreciation day!!

Tuesday, August 19th

Today the crew went up to Orwell to go help Macphail Woods for the day. We helped them with weeding 10 rows of different native tree saplings. Afterward they gave us all a lesson on pruning both opposite and alternate leaved trees, then we got to practice on a few of the trees we had just weeded.

Wednesday, August 20th

Today the crew started off by heading out to Rosewood to continue work on the knotweed patch. We spent the morning whipper sniping all of the new growth, removing some more of the debris, and then bagging all of the sprouts after that we headed back to the office for lunch. Then Callum and Connor went to Andrew's to help him cut some trees on his property, Anna worked on inputting YSI and depth logger data into the computer. Emma and I worked on creating information cards to give out during our tree identification walk at Glasgow Hills on Sunday. Today was Callum's last day.

Thursday, August 21st

Today the crew started off by heading back to rosewood to fill the dumpster that was delivered this morning, with all of the Japanese knot weed bags. After that we headed out to Chester's to construct our first brush bundle. Afterwards we went back to the office for lunch and then completed the tree ID cards for the walk on Sunday. Anna, Connor, Emma and I then went to town to print off the ID booklets, get laminating paper, and to buy hip waders goop. After that we returned to the knot weed patch to load all the metal onto Levi's truck, then went back to the office where we swept the driveway and did some computer work for the rest of the day.

Friday, August 22nd

Today Anna Connor and I went out to St. Mary's to build some more brush bundles, by the end of the day we built 2 bundles, and collected enough brush for a third, for when we go back. While we were doing that the rest of the crew was back at the office building and

laminating the tree ID booklets which took them the day to complete. Today was Anna and Connor's last day.

Monday, August 25th

Today everyone was out except for Victoria and I. We started our day off by doing crossing surveys on seven different private stream crossings all around the watershed, most of which were culverts, however we also surveyed some bridges as well. While we were doing that we got a call from Ruth, who is in charge of the management for the knotweed project at rosewood. We met up with her there as she had a heavy machinery operator there to survey the patch to see what he could do to level the ground to make the tarping easier. We then went to check on our rain garden at Central Queens Elementary, we ended up weeding, and watering the garden. After that we completed our survey's, then came back to the office to prepare for chainsawing the next day.

Tuesday, August 26th

Today Emma, Victoria, and I spent the day at David Butterworth's collecting more brush from David's tree stand for Ellen's Creek Watershed. They are using the brush to cover up the area where they removed some invasive species in hopes that it will allow for more growth of native species and reduce the area where the invasive species can grow. This took us most of the day, and afterwards we checked on the duck tube that we installed on the property a few weeks ago.

Wednesday, August 27th

Today we started off by heading out to rosewood to talk with someone from Provence to verify that we could use the excavator under our blanket permit as well as marking the buffer zone. After that we went back to the office to work on some paperwork and computer work, we did this until lunch. Afterwards we had a meeting with my funding source, and afterwards we went out to David's to go complete a bio blitz for naturalists on the main branch of the watershed. Afterwards we went back to the office for the end of the day.

Thursday, August 28th

Today we went to rustico for a tree planting site visit, we then went back to the office and I did some research while Emma and Victoria did some computer work. We then headed out to a brush bundle site just past Kent G. Ellis park, and this took us to the rest of the day. We didn't end up finishing this brush bundle today.

Friday, August 29th

Today we started the day off by first doing some computer work, I was making a list of native flowers for our presentation during our tree planting workshop. Emma made some posters for it as well as worked on a post for our duck tubes, and Victoria was working on a funding form. After I had finished I sharpened and cleaned the chainsaw for the afternoon. After lunch Emma, Victoria and I headed back to the brush bundle site and continued building it for the rest of the day then headed back to the office.

Tuesday, September 2nd

Today, Emma, Harriet and Victoria went to Summer Haven to do a site visit for our living shoreline project in the morning and then in the afternoon completed some computer work. I was out for the day.

Wednesday, September 3rd

Today Emma, Victoria and I spent the morning out at St. Mary's completing our final brush bundle. After completing that we headed back to the office for lunch, then pack up a bunch of garbage bags to go remove Invasives on Clyde. We removed Bittersweet nightshade from 90 meters of the stream and filled eight bags. We then headed back to the office and did some computer work for the remainder of the day.

Thursday, September 4th

Today we all met at MacPhail Woods where we began the morning with some pruning practice, and then they taught us about seed collection and germination until lunch. After lunch Emma and I went to town and picked up some supplies for tarping the Rosewood knotweed patch, and afterwards set up a silt net at the knotweed patch witch took us till the end of the day. Harriet and Victoria did computer work for the rest of the day

Friday, September 5th

Today is the last day for both Victoria and I. We started the day off by heading back to Rosewood to cut back all the new growth of the knotweed as well as cutting back the black berry canes so that we could extend the area where the tarp is placed. After that we headed back to the office where we started to input data into a form. Wile we were doing that Emma and Harriet ran an errand, then came back to the office for a tree swallow meeting