

2026 Supervisor Report

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Preface

Hello, my name is Jack Quigley, and I will be writing the 2026 supervisor report. This will be my sixth year working with the Hunter-Clyde watershed group. I'm thrilled to have another season to work in this watershed. Being able to work towards the betterment of this watershed has taught me many valuable lessons and skills throughout the years, and I'm excited to be able to teach the crew all that I have learned. It's always a pleasure to work with this team, and I'm excited to have another successful year. I can't wait to enjoy every moment that this field season has to bring.

Monday, May 4th

Today Katherine and I worked in the office for most of the day. I spent the day going through the shelves and reorganizing everything to get ready for the field season. At around 1:00 pm, Katherine went to the women's institute meeting while I continued to clean. At the end of the day, I took a look at the chainsaws to see what they needed to be ready for the year.

Tuesday, May 5th

Today, Katherine and I completed the YSI route, which took us till 2:30. We then headed back to the office, and I researched how we can use ArcGIS to help with our future projects.

Wednesday, May 6th

I started the day off by looking more into ArcGIS Online and how it may be of use. Katherine and I also went through the WMF deliverables and started making a checklist, as well as looking over confirmed and potential properties and landowners for plantings this year. At 9:00, we left the office to go meet with Megan and Evan at the River Clyde Pageant to look at their new property, across from the New Glasgow Lobster Suppers, that they acquired on a renewable 10-year lease. We looked at planting locations, invasive removal sites, and stream obstructions. We also talked about potentially hosting a volunteer planting in both June and the fall. After returning to the office, we did some more computer work, continued cleaning, and reviewed the Cross Watershed Swallow project folder for procedures and timelines.

Thursday, May 7th

Today, I finished tidying the office, including all the paperwork, files, med kit, supplies, electronics, and art supplies. Afterwards, I started moving files and creating new maps on ArcGIS Online, and looking into Field Maps, which is directly linked to ArcGIS. At about noon, I started sharpening and doing general maintenance on all of our hand tools, including hand pruners, knives, and saws. After 2:30, I proceeded to help Katherine with information about different events and tasks from last year, some for the WMF report; this took us till the end of the day.

Friday, May 8th

Today, I finished sharpening all of the hand tools and partially organized the tool bench. I then spent most of the day figuring out how to transfer GPS files onto ArcGIS Online and how to create usable downloadable maps on the Field Maps app for the field crew this summer. Katherine spent the day working on the WMF report. At 1:30, I started to help Katherine organize some information on the WMF report. I then had to leave at 2:30 for an appointment.

Monday, May 11th

Today was the first day for the returning field crew. In the morning, Anna, Connor, Levi, Katherine, and I started by completing all of our annual paperwork. After that, we all started to clean our utility shelf and the shed. We removed everything from both the building and the shelf and reorganized, cleaned, and purged all of their contents. After lunchtime, Anna and I went to collect some supplies to make prizes for Run for the River as well as cut dogwood stakes to start preparing them for live staking. While we were out completing that,

the rest of the crew finished organizing all the remaining items. At the end of the day, we started to plan out what tomorrow may look like, as well as talk about what we would like to do for the prizes for our fundraiser.

Tuesday, May 12th

Today and for the rest of the week, I will be at rapid geomorphic assessment training. I will summarize what I learn in a separate document, which will be found in a file with all of the PowerPoint presentations and documents needed to complete rapid geomorphic assessment as well as rapid stream assessments. Based on what I have learned on the first day, I do think it will be useful in the future for the betterment of our watershed. Once I create the file, I will list it in my report for that day, so it can be found easily. As for the rest of the crew, they started filling out the nest box forms for the tree swallow program. They filled out all of the preliminary data and then came back to the office for lunch, as they needed to wait for the heat pump technician to come to the office to clean it. They also went over goals and objectives for the season. After that, they went back out to the field to finish the nest box checks, then returned to the office to cut grass and begin making prizes for Run for the River. I did return to the office in the afternoon as the course finished early; I talked to Katherine, going over some of the information that I had learned.

Wednesday, May 13th

Notes from Katherine as Jack is at training - sorry this is so long: In the morning, we read up on seed stratification. There was a bag of seeds in the fridge that we were meant to start in pots with kids at Central Queens and Gulf Shore (and to start our own plants for our garden) as part of the WHC seeds starting grant. The seeds had not been stratified in the necessary ways for each species, so we don't think they will be viable for this spring. We cold-moist stratified Joe Pye weed and milkweed because they could be ready in 30 days, and wrote instructions for the other species (whose stratification periods take longer and are more complicated). Then, we installed the duck tube at a private landowners house using the canoe. We went to Central Queens to check on the condition of the duck tube there, which had remained installed over the winter (because it's too hard to take on and off). It was in good condition; a bird (robin?) had laid an egg inside of it. We'd like to put up a trail cam facing the duck tube (with the school's permission) to see what is nesting there. In the afternoon, Connor and Levi checked the photos from the "Shoreline erosion monitoring" trail cams. The photos were deemed no longer relevant (as the report has been submitted), and the SD cards were cleared and replaced. Anna wood-burned the Run for the River medals. Katherine did admin work, Skills, and CRA. Connor and Levi researched items for the shopping day tomorrow, then everyone went outside to organize and clean behind the building.

Thursday, May 14th

In the morning, the crew went into town to do some shopping. They gathered a bunch of supplies that we needed for both the Run For The River event as well as some general supplies for the year. They also went to Stratford to pick up two of the chainsaws; the third had an oil leak and still needed some work. After returning from that, they then went to Central Queens Elementary and a private landowners property to conduct tree checks. They used the new ArcGIS Field Maps application to test out its accuracy and reliability.

While at Central Queens, they installed a trail camera facing the duck tube in which they had found an egg yesterday. After that, they returned to the office to upload some of the tree check info into the computers as well as cut and whipper-snip the grass.

Friday, May 15th

Today, the crew started the day off by making a list of all the landowners we need to contact to conduct tree checks on their properties. Then they headed to Rustico, stopping at a private landowners property to lock the canoe, then stopped at a local shop to get the lawnmower blade sharpened. In Rustico, they stopped at the food mart to ask for all the food needed for Run for the River. They also stopped at the Preserve Company to do tree checks on the way back to the office for lunch. After lunch, my course had finished, so I joined the crew to do two more tree checks at both MacLeod Rd and a private landowners property.

Saturday, May 16th

Run For The River!! All the crew was there to help set up and run the event. Thanks everyone for coming out to support us. We had a wonderful morning with the race, live music and a bbq.

Tuesday, May 19th

Today, we started the day by heading to Kent G. Ellis Park to set up info signs and tree swallow nest box checks. We also brought a bunch of hooks and latches to fix some of the nest boxes. After that, we went to a private landowner's property to do nest box checks, then we returned to the office as we had forgotten a few things. We then went to Central Queens to collect the trail camera placed towards the nest box with the egg. We then went did nest box checks at Clyde Rd, Campbell's Pond, and a private landowners property. While at the landowners property, we also assessed the knotweed patch to see what we may need to do to help maintain and reduce the growth of the Japanese knotweed in that area. After that, we went up to the Glasgow Hills planting site to complete some tree checks up there. We then went to Farmhouse for nest box checks, then to Rustico Natural Area where we had lunch. We completed tree checks at the Natural Area, then headed to another landowners property to complete the last nest box checks, as well as lock the canoe with the chain and canoe lock. On the way there, we made a brief stop at the New Glasgow Lobster Suppers to check for the outlet of the culvert coming from the River Clyde Pageant Property. After this we went back to the office to add the data onto the drive, look at the pictures taken by the trail camera, unpack the gear, and start planting the stratified seeds.

Wednesday, May 20th

Today, the crew spent most of the morning going through the medkits, making a list of all the items needed and discarding expired items. Connor entered some of the tree swallow nest box check data into the Excel file, and Katherine added all the names and times of the contestants in the Run For the River event to an Excel file to be uploaded to the PEI Road Runners website. We also dug up the oak seeds from the acorn hibernation box in the backyard and then planted the acorns in pots. Right before lunch, we went over all of the deliverables that we needed to accomplish over the summer, then made a plan for the rest of the day. After lunch, Katherine stayed at the office calling landowners to ask for permission to continue to complete tree checks. Connor and Levi took the lawnmower and whipper-snipper to Campbell's pond to cut the grass, they also fixed up the pollinator garden and emptied the garbage/line disposal tubes. Whilst they did that, Anna and I went to

Rustico to collect more dogwood and willow stakes. When we got back to the office we unpacked all the live stakes, dipped them into some rooting hormone then put them in a bucket with some wet sawdust to keep the light from reaching the base of the stakes in hopes that they would start to root. After that I created a Google Sheet to summarize some information and suggestions that I wrote on the HCWG map in Field maps while in RGA training.

Thursday, May 21st

We started off the morning at the office mowing the lawn, organising the tool box, and cleaning the truck. Afterwards we went out to the Rustico Home Hardware to buy boards and wood stain for our raised gardens at the office, then we went to landowners property to do tree checks. We then went back to the office for lunch, afterwards Levi and I went back to Home Hardware to pick up the boards and bought black mulch which we then put on the pollinator garden at Campbells pond. We also fixed one of the fishing line disposals and emptied the others. While we did that Anna and Connor went to another landowners property to conduct tree checks, then they came back to the office to measure out a good location for the raised garden beds.

Friday, May 22nd

Today we spent the first half of the day at the office preparing the boards for raised gardens, this included sanding rough patches, measuring and marking cuts, and applying the first coat of stain. We also measured out where we wanted to place the garden boxes and then placed stakes at all the corners so that we could dig up the sod on Monday. We also spent some time recording data from our tree checks, and creating plans for our planting sites (measuring properties, estimating amounts of trees and shrubs needed, deciding what fits best for what the land owner wants). After lunch we all got ready to head to Campbells pond for a Bio Blitz on iNaturalist as well as a fish survey. I ended up heading to Rustico to buy paint rollers and lightbulbs before heading to the pond. The rest of the crew stopped at a landowners property to paddle the canoe down stream to the pond. We spent the afternoon identifying different flora and fauna species and afterwards headed back to the office to apply the second coat of stain on the boards before we headed out for the weekend.

Monday, May 25th

Today, we spent the morning starting to put together the raised garden beds: cutting the boards to size, filling some holes in the boards with wood filler, and then screwing the frames together. We started pricing out different options for the soil and decided on buying 25 L bags from Kent. We then completed our Treeswallow box checks and returned to the office for lunch. After lunch, we took both the work truck and Levi's truck to Kent and picked up 91 bags of the soil. We went to the Sherwin-Williams paint store to pick up some pallets. Afterward, we headed back to the office and unloaded all of the soil and marked out the locations for the boxes. We then inserted the data from the tree checks, as well as sized some support posts for the corners of the raised beds.

Tuesday, May 26th

In the morning we went out to the River Clyde Arts property to complete another invasive species assessment as well as some removal of invasives and trash. After filling 7 bags of nightshade and 2 bags of trash, we went back to the office for lunch and to unload

the truck. After that Levi and Connor went to both the Knotweed patches at a landowners property and Rosewood to cut any stalks coming through the tarp as well as patch any holes and use landscaping pegs to hold the tarp down. Meanwhile, Anna and I stayed at the office and completed one of the raised garden beds, adding 2x2's in each of the corners for stability. We also sanded down the wood fill on one of the boards so it sits flush with the others. We unloaded the invasives and garbage from the truck, and then completed some office work. I also started sharpening the loppers, and found some contact information for a few of our head waters.

Wednesday, May 27th

For the first half of the day Katherine and I spent most of our time contacting landowners for permissions for headwater and stream assessments as well as calling Home Hardware to order a new tarp for the knotweed patch at one of our landowners house that we had previously done an assessment on. I was also able to get in contact with the store manager who offered to donate sawdust for our live stakes and some wood stakes for caging trees. While we did that Anna, Connor and Levi helped us as well as doing a few odd jobs. Anna and Levi went down to the pharmacy to collect the rest of the supplies for the medkits, and stopped on their way back to ask a landowner for permission to plant in the back of the field. Connor stained the board that had the wood filler. After lunch we headed out to the junction road to conduct a headwater survey, then went to a landowners property to remove more nightshade. While we did that Katherine stayed at the office to complete some computer work.

Thursday, May 28th

In the morning Katherine and I went out to Rosewood, a private landowners property, and a planting site from 2024 on St. Patrick's Road with Karalee to conduct a field assessment. We showed her the Rosewood Japanese Knotweed patch, the planting, small balsam and nightshade removal, and the Starwort patch at one of our landowners properties and the headcut/planting site on St. Patricks rd. While we did that Anna and Levi inserted some YSI/Depth Logger data into our excel files, as well as some maintenance on our road sign. Once Katherine and I returned to the office we talked to Karalee about WGIS and some ideas for future projects. Then Anna, Levi, and I loaded the truck with all the invasive species bags and went to the Charlottetown Incinerator. While we were in town, we went to Walmart to pick up a few things then came back to the office for lunch. Afterwards we started the YSI+DL route which we will finish tomorrow. Katherine spent the afternoon completing our finance tracking.

Friday, May 29th

Today Connor and I started the day off by going out to Gulfshore for trail and outdoor classroom maintenance. We cleared any fallen trees, widened overgrown patches, removed brush, and felled some hazardous trees. We also removed any garbage we found throughout the woodlot, this took us till 1:30. Anna and Levi finished the YSI and DL route in the morning, finished refurbishing our road sign, and started logging YSI data into the computer. When Anna and Levi returned to the office Katherine returned the YSI meter to the Watershed Alliance headquarters at the Farm center in town. After lunch Anna and Levi went to the Waste Watch dump in Stanley Bridge and then stopped at private property to check on the nest box with eggs to see how many eggs were laid. Connor and I did some

maintenance on the chainsaws and finished sharpening the snips. We also cleaned the office and inserted more YSI data onto the computer.

Monday, June 1st

Today started off with Anna and Levi completing nest box checks as well as heading to the Waste Watch dump to drop off our stream and roadside garbage bags. While they did that Connor and I sharpened and cleaned the chainsaws and oiled the snips. Once Anna and Levi returned they finished the setup for one of the gardenbeds. They put straw in the bottom of the bed, then filled it with soil. They then painted the second layer of stain on the boards for the other garden bed. Then they spent some time entering YSI data into the computer. While they completed that, Connor and I went to Cavendish to complete two culvert assessments on Cavendish Rd. At 1:30, we went to Rackham's Pond to help WRIG with some chainsaw work. We widened some of their pathways so that they had enough room to have a truck drop off a building for them. Connor and I returned to the office around 3:00. For the rest of the day I continued adding data into the computer and Connor and Levi organized behind the building and sanded down the picnic table so we could stain it soon.

Tuesday, June 2nd

Today the crew started off the day by heading out to St. Patrick's Rd to a 2024 planting site. We spent most of the morning there completing tree survival checks; we found 155 plants alive and 58 dead. After that, we drove out to the Confederation Trail entrance in Fredericton to drive toward Clyde Rd to do tree checks from the planting in collaboration with the province. We found 15 trees alive, and 4 were either not found or dead; after that, we went back to the office. After lunch, Anna and Levi finished making the second raised garden bed while Connor and I reviewed and revised landowner data. After finishing the garden bed, Levi went with Connor to MacLeod Rd to assess the cover board, then decided to take it back with them so that we could move it to a new location, as it had been unsuccessful for the past couple of years. While they did that, I picked out some locations for headwater surveys as well as a list of the landowners that we will need to contact to gain access to them. Anna continued to revise and edit our landowner permission form.

Wednesday, June 3rd

Today the crew and I went out to the Rustico natural area to conduct our first stream assessment. We walked from the edge of the Parks Canada property through to the Cavendish Rd YSI site. We then walked back to the truck. Anna and Connor went to Home Hardware to pick up plywood for more cover boards, then went back to the office. They also dropped Levi and I off at Gulfshore, where I had parked my car. Levi and I walked down to the stream through Gulf Shore property to assess how difficult it would be to walk up the stream from the YSI site. While down there, we found a tributary, which we walked to the end of to complete a headwater survey. After that, Levi and I walked back to my car and then drove up to the Home Hardware store to ask about receiving sawdust for our live staking buckets. We were unable to get any today; however, they said to return on Friday, and they should have some ready for us. When Anna and Connor returned to the office, they did some research on how to build and preferred locations to put cover boards for reptiles and amphibians. They then discussed the logistics with Katherine about the use of ArcGIS Pro within the watershed to determine whether or not it would be worth the cost.

Thursday June 4th

We started off our day by loading up the lawnmower and whipper-snipper to cut the grass at Campbell's pond. While Connor and Levi did that, Anna and I went around emptying all the fishing line disposals and garbage bins. Then we all headed to Home Hardware to buy 2 more plywood boards to turn into coverboards. Then we went out to Summer Haven to assess the planting sites to get an estimate of the number of species that we will need for all the planting sites there. We then headed back to the office for lunch and afterwards went out to Hopedale Rd to conduct a tree survival check. We found 85 plants that were alive and 33 that were either missing or dead; this check took us till the end of the day.

Friday, June 5th

Today we received our first order of trees and shrubs! We received Rose, Bay Berry, Dogwood, Willow, and Red Maple. Unfortunately, we were missing a few species, but we will ask for them to be put on the order for next week. After we helped unload the trees and shrubs, we completed some data entry from some of the assessments that we completed this week, as well as writing out steps to build the coverboards for future employees. Later on, Katherine got a call from Maggie asking if she could help out WRIG with a River Assessment. While she was helping them, the rest of the crew went out to the Home Hardware store to collect sawdust and stakes. However, they didn't have the stakes ready, so we will return later on to pick them up. We came back to the office and started watering trees, cutting the plywood to size for our cover boards, as well as labeling them and painting "Do Not Touch" and "Coverboards" on them. After that, we cleaned the office and emptied the garbage for the weekend.

Monday, June 8th

We started the day by preparing the materials and washing off the stratified acorns for the kindergarten classes at Gulfshore. We also logged some more data onto the computers and watered the trees. At around 10:30, we headed out to Gulfshore and spent the next 2 hours teaching them about Northern Red Oaks and their acorns, then taught them how to plant them. Each student was given a pot with their name on it, soil, and an acorn, which they then got to take home with them after we finished the lesson. After lunch, Anna and Connor completed our weekly Tree Swallow nest box checks, and Levi and I headed out to Junction Rd to complete a few headwater assessments as well as a stream assessment.

Tuesday, June 9th

Today Katherine and I spent the day at Coordinator and Supervisor training in Brookvale. There were presentations on invasive species, water quality testing, a zoonotic parasite, workers' compensation, health and safety, as well as the stream courses model water table. The crew spent the day completing a headwater planting at Johnston Rd on Hopedale Creek. They planted 120 Willow and 120 Dogwood, and this took them the day.

Wednesday, June 10th

Today we loaded shovels and shrubs into the truck; we then spent the morning planting in Summer Haven. We planted 96 Bayberry and 72 Wild Rose; this took us until 1:00. After finishing, we headed back to the office to unload the truck and take lunch. Afterwards, Connor and Levi loaded the garbage from our stream cleanups and Campbells pond, then went to the dump in town. While they did that, Katherine and I completed some computer work while Anna continued working on labeling the new coverboards.

Thursday June 11th

Today, Connor and I loaded the whipper-snipper and the lawnmower up and went and cut the grass at Campbell's Pond to prepare for Environmental Fun Day. While we did that, everybody else waited for the tree and shrub order to arrive at the Office, and when it did, they unloaded the trees and then took a truckload in Levi's truck to the River Clyde Arts property. When Connor and I returned to the office, we unloaded the gear and then took the second load of trees. We spent the rest of the morning placing and flagging the trees throughout the property for a volunteer planting that is happening this Sunday. In total, we took 18 white pine, 22 yellow birch, 24 white spruce, 40 red maple, 24 eastern larch, 54 wild rose, 30 red-berried elder, 54 willow, and 54 dogwood. After that, we headed back to the office for lunch. Afterwards, the crew and I went out to Summer Haven for more tree planting. We took 24 roses, 6 yellow birch, 12 bayberries, 6 red-berried elder, 6 spirias, and some milkweed. After we finished planting, I GPS'd the locations of all the trees and shrubs, and then we headed back to the office for the end of the day and to unload the truck.

Friday, June 12th

Today is Environmental Fun Day! In the morning, we gathered all of the supplies that we needed, including some tables, signs, our tent, some flagging tape, and a few other miscellaneous items, then headed out to Campbell's Pond to help everybody set up. Throughout the morning, the crew was spread out among different groups; Anna and I helped out with the electrofishing. Levi, Connor, and Katherine all walked around with different groups and made sure that everybody knew where they were going. After finishing that, we helped everybody pack up, then cleaned up the park. We then headed back to the office for lunch and to do some computer work. Afterwards, we went out to Home Hardware to collect our stakes for tree caging as well as a couple of boxes of sawdust for our live stakes. After that, we went out to the culvert crossing on Hopedale Creek to complete a kick net macro invertebrate sample. We then headed back to the office to sort through the sample and clean the office for the rest of the day.

Monday, June 15th

Today, the crew started the day by heading out to the River Clyde Arts property to fix and finish the planting from the volunteer planting on Sunday. We spent most of the morning completing that, then we got a message from Matt Ginn to go band tree swallow adults. We went to Kent G. Ellis Park, Andrew, Campbell's Pond, and two private landowners properties. After banding, we headed back to the office for lunch. Afterwards, Connor and Levi went out to finish the tree swallow nest box checks; while they completed that, Anna continued working on the coverboards, Katherine and I worked on permissions for tree checks and logging GPS data.

Tuesday, June 16th

This morning, Anna worked on writing the first of three articles for the local courier, Connor worked on an informative tree swallow post for our social media, and Levi sharpened our shovels as well as logged some tree swallow nest box data. While they did that, I called landowners to confirm planting numbers as well as get permission for a stream assessment and tree checks. After that, the crew and I went out to Rustico to pick up a microscope from Gulf Shore to help us with macro invertebrate identification. Then we spent the rest of the day at the River Clyde Arts property planting and GPSing most of the remaining plants from the volunteer planting; we have around 48 trees left to plant there. After that, we headed

back to the office. I stayed a little later to call a few mechanics to price out getting the work truck serviced as well as collecting service records.

Wednesday, June 17th

Today, the crew headed back to the River Clyde Arts property to finish planting the willows and dogwoods. After that, we started staking and cutting caging to cage the Red Maple trees. We ended up needing zip ties and more caging, so at lunch we headed to the Rustico Home Hardware. We then went to Gulf Shore to pick up some new microscopes, as the previous one was missing the ocular lens. We then went back and finished caging the rest of the trees which ended up taking us the rest of the day.

Thursday June 18th

This morning Anna mowed the lawn at the office and Levi whipper-snipped. Once he finished, he joined Connor in setting up and placing the coverboards outside to weather for the rest of the season. After finishing, Levi and I headed out to Campbell's pond to cut and whippersnip. While we were doing that, Anna and Connor tested waders by looking for holes, then filling them with water to see if they leaked, as both of their waders have irreparable holes. After Levi and I returned to the office, we loaded up our canoe safety gear, then we went and picked up WRIG's canoe for a stream survey upstream from Campbell's pond. After we finished, we dropped off WRIG's canoe, then headed back to the office for the end of the day. Later on that night, Anna, Connor, Levi, and I met at the office to complete the mobile driving bat survey, which unfortunately got cut short due to unexpected rain.

Friday, June 19th

Today, Levi and Katherine met at the office at 8 am and did a runoff survey. At 9 am, Anna, Connor, and I arrived. Anna and Levi went to Campbell's pond with the canoe, then Farmhouse to put up bat monitors which took them until lunch. After lunch, Anna joined Connor and I to walk upstream from Chestnut Lane to Clyde Rd to conduct a stream survey. Once we arrived at Clyde Rd, Katherine picked us up and took us back to our cars, then we continued cutting at Chestnut Lane until the end of the day.

Monday, June 22nd

We started the day by heading to Kent G. Ellis Park and a private landowners to check the tree swallow nest boxes. We then went down to the edge of the beaver meadow on Macleod Rd to set up the last bat monitor. After that, we went to the nest boxes across from Clyde Rd before heading back to the office to pick up Katherine. We then went out to a board members house in Stanley Bridge to pick up the maples he grew for the Gulfshore grade one class to plant. Once we got to Gulfshore, we dug holes, then filled them back in with the loose soil to make it easier for the students to dig. After the students were paired up and given a tree, they dug the hole, watered it, then planted the maples. After cleaning up at Gulfshore, we headed back to the office for lunch. Afterwards, we finished the nest box checks before packing up for the day. Anna, Connor, Levi, and I came back to the office at around 9:30 to set up for our mobile driving transect as it started raining during our first attempt.

Tuesday, June 23rd

We started our morning off by heading out to WRIG's office to pick up their canoe gear, then we went to Rackham's pond and loaded their canoe onto the truck before heading to a private landowners property for some bittersweet nightshade removal. We used both of the canoes to paddle upstream to remove the invasives from both the banks and in-stream. We removed the nightshade from 0.1Ha and collected 70kg in 8 bags. We did this until around 11:30 before heading back to the office. Once we returned to the office, Anna uploaded the nest box data. Connor looked at the practicality of planting the seeds that we had germinated last week with the Central Queens Elementary Kindergarten classes. Levi started cleaning the office, then went to help Connor; I cleaned and sanitized WRIG's canoe, then completed some computer work. At around 1:30, we headed out to Central Queens for our planting workshop with the Kindergarten students.

Wednesday, June 24th

Today, we completed office work, cleaned, and started fixing WRIG's canoe seat in the morning whilst waiting for our tree delivery. Once the trees arrived, we loaded 20 trays of bayberry and 8 trays of roses into the truck to go plant at Summer Haven. Seventeen bay berries and 4 rose trays went to one property, the rest we dropped off at a different property to be planted Friday. After lunch, we stopped to take Katherine to the office to meet with the building inspector; we then returned to Summer Haven to finish planting. Once finished, we drove to WRIG's office to pick up the YSI for water quality tomorrow.

Thursday, June 25th

Today, Connor and Levi went back to WRIG's office to pick up a flowmeter, as Karalee was using the one the alliance lent to us. Then they spent most of the day completing the YSI route. Anna and I collected the bat monitors which took us till 11:30; afterwards we had lunch and continued fixing WRIG's canoe. At 1:00, we took 1 tray of white spruce, white birch, apple, and balsam fir to a private landowners property to plant. We arrived back at the office around 2:00; Anna then took the points off the GPS, labeled and organized them, while I finished fixing the canoe. Once Connor and Levi returned to the office, they helped me and then returned the canoe to Rackham's Pond.

Friday, June 26th

This morning we went to campbells pond to cut the grass and plant a bucket of our willow live stakes, as well as the rest of the tray of milkweed. While we were doing that, we noticed that the gaspereau were starting their migration upstream. After finishing that, we came back to the office. Connor whipper-snipped the lawn, Katherine mowed, and Anna and I put together the tonneau cover on the truck, which Connor came to help us with when he was finished. After that was done, we took lunch, then we all completed office work and cleaned the office for the rest of the evening.

Monday, June 29th

Chloe's First Day! Today we started our day with introductions, then we placed the remaining trees from the office into the truck to go to Summer Haven. After lunch, Chloe, Connor, and Levi completed our nest box checks; Anna and I went around to all of our depth logger sites collecting water samples to send to the lab for testing.

Tuesday, June 30th

Today, the crew and I went out to repair and maintain our tarp on the knotweed patch at Rosewood. We first cut any new stalks that had grown, then added new stakes to those locations. We then taped all the tarps together and added new stakes to the tarp to keep the ends down. At 2:30, Chloe and Anna went tree swallow banding, and Connor and Levi went to the incinerator, which ended up being broken, so we'll end up going again later this week. While they did that, I returned to the office to help Katherine get ready for the Canada Day booth for tomorrow.

Wednesday, July 1st

Today we set up our Canada Day booth in Rustico for the day

Thursday, July 2nd

Today, we started off by heading out to Summer Haven to conduct a planting assessment at Holly's, then we went out to New Glasgow to conduct tree checks. We then went to the RCA property then line rd to take pictures of the invasive species for the Invasive Species Council. We then went back to the office for lunch before heading to pick up WRIG's canoe. We then went to a landowners property to remove nightshade from the mouth of the pond. We did this for the rest of the day and removed 16 bags, which Levi took to the incinerator with the knotweed bags.

Friday, July 3rd

Chloe and Katherine were at watershed worker training; Connor, Levi, and I counted macros, potted trees, tested the water bladder and pump, then cleaned the office for the weekend.

Monday, July 6th

Today is Emma's first day! Anna, Connor, and I were all off today, and Levi was at chainsaw training. Katherine spent the day in the office, so Chloe and Emma spent the morning completing our tree swallow nest box checks. After lunch, they went out to Campbells Pond to collect the garbage from our bins, as well as weeding the pollinator garden. They then went to the dump with the bags of garbage before heading to the rain garden at Central Queens. They then spent the rest of the day whippersniping around, weeding, and mulching the garden.

Tuesday, July 7th

Today, Levi was back at chainsaw training, and I was off. Anna, Connor, Chloe, and Emma went to Summer Haven for the day. They planted Rose and Bayberry, which took them most of the day. They then completed tree checks, then went to Home Hardware in Rustico to buy more garbage bags; afterwards, they went back to the office for the end of day.

Wednesday, July 8th

Today, Katherine and Chloe were at first aid training. In the morning, Connor, Emma, Levi, and I went to remove more nightshade. At around 11:30, Connor and I went to the office to pick up the Watershed Alliance's Water Table from Karalee; we then went back to continue with our invasive removal. At around 1:00, we packed up and loaded the bags onto the truck. In total, we removed 20 bags today. After we had lunch, Connor, Emma, and Levi

went to the incinerator with the bags. While they were doing that, I stayed at the office and set up the water table and completed computer work. Once the crew returned, we finished setting up the water table and started creating some models of our stream system.

Thursday, July 9th

Today we started by heading out to Line Rd in Rustico to complete 1km of roadside cleanup as well as remove invasives in the riparian zone. Katherine and Chloe were dropped off 1km away from where we were removing invasives. They walked up the road collecting the garbage, then once they arrived at the invasive site, they took the truck to go pick up gloves from Home Hardware before heading back to help the rest of the crew. We removed virginia creeper, wild cucumber, bittersweet nightshade, and small balsam, and in total we collected 8 bags of invasives and 2 bags of roadside garbage. At around lunch, we headed back to the office, then proceeded to head to Farmhouse and New Glasgow Lobster Suppers to conduct anoxia surveys on our estuary. Afterwards, we then headed to a landowners property to pick up WRIG's canoe so that we could take it back to the office to clean and sanitise it before dropping it off at the end of the day. After cleaning their canoe, we went out to check on the tree swallow chicks. Unfortunately, they had been predated upon, so we went back to the office to get the canoe to drop it off at Rackham's pond before heading out for the day.

Friday, July 10th

This morning, Connor and Levi worked on counting macro invertebrates; Anna and I worked on uploading GPS points, reviewing and completing some of the items on our task list, as well as organising our folders on the drive. After lunch, Emma arrived and took Levi and Connor to plant 6 white spruce. Chloe and Katherine arrived at the office around 2 after completing their first aid course, and Anna had to leave around the same time. Once Connor, Emma, and Levi returned, we all headed out to another property to take a look at a large forested area to make a planting plan for later this month. After returning to the office, we cleaned the office, finished counting macros, finished up computer work, and tested out the weather table.

Monday, July 13th

This morning, Chloe and Connor mowed the lawn while Anna, Levi, and I completed our weekly nest box checks. Katherine and Emma completed office work in the morning, then Emma swapped with Chloe and went to Campbell's pond to cut the grass, unfortunately the wheel fell off the lawn mower, so they were unable to finish. After we returned to the office, we had lunch, then half-filled the water bladder and tested some new methods to use it; then we went to the River Clyde Arts property to water our trees. Afterwards, we then headed back to the office to drop Chloe off before going back to Campbell's pond to test filling up the bladder and trying to work out some issues with that process. After that, we came back to the office to plan out the rest of the week

Tuesday, July 14th

Today, Connor and I met the crew at TREC's office in the morning. We spent half the day helping them with one of their planting sites. After lunch, we then spent the rest of the day on the Line Road picking invasive species. We then went back to the office at the end of the day.

Wednesday, July 15th

Today, Connor and I met the crew at TREC to help with planting again. We went back to the first site to finish planting the trees left there before heading to a second location. We spent the first half of the day there before heading to Rustico for lunch. We went to Line Road to collect more invasives; however, a thunderstorm was making its way overhead, so we packed up and went to New Glasgow to get landowner permission to work on St. Mary's stream later this week and early next week. After finishing that, we came back to the office to finish up some odd jobs as well as data entry and other computer work.

Thursday, July 16th

Today, Emma, Katherine, and I spent the morning at the office looking over deliverables and updating our list of the work we've done towards them. The rest of the crew spent the morning back at Line Road removing wild cucumber and small balsam. For the afternoon, Anna, Chloe, and I went to do our weekly information booth on the boardwalk of Cavendish Beach. Connor, Emma and Levi went to complete a tree planting assessment as well as placing the coverboards that we created and going around asking for permissions.

Friday, July 17th

Today, we spent all day completing stream maintenance on St. Mary's Brook. We started on New London rd and made it almost to where we stopped last year before we needed to head back to the office to back up and clean up for the weekend.

Monday, July 20th

Today, Connor and Levi dropped off the truck at the mechanic to get the engine code looked at as well as looking for a few other issues. While they were gone the rest of the crew headed out to remove small balsam. Connor and Levi then joined the crew until lunch, after which Connor sharpened the chainsaws, and the rest of the crew went around to different landowners to ask for permissions, as well as dealing with a wasps nest at Campbells pond.

Tuesday, July 21st

Today we started off by heading out to Dwayne's property to conduct a headwater survey. After finishing we headed out to campbells pond for the rest of the day pulling nightshade out from the natural fish way. We had to move some of the rocks with pry bars then placing the plants on tarps to dry out before bagging them.

Wednesday, July 22nd

Today Emma, Katherine, and I spent the morning in the office completing some more computer work while the rest of the crew headed out to a private site, then Campbells pond to collect and finish bagging the invasive species that we collected this week. They then went to the incinerator with the bags of invasives, then to Canadian Tire to buy some supplies for different projects coming up. After that they went out to Stanhope to pick up red oak trees that were donated to us before heading back to the office. After lunch the crew went out to do a few runoff surveys at a private site, Johnson Rd, and Campbell Rd, as well as an invasive survey at Kent G Ellis park.

Thursday, July 23rd

Today, everyone headed out to Campbell's Pond natural fishway to remove the invasive bittersweet nightshade that was clogging the water flow. We stayed at that until

around lunchtime, when Connor and I had to leave for Beach Hut. While we were there Anna and Chloe completed our YSI route however, they did not have time to complete the depth logger, so we will finish that another day along with water samples. This took us till the end of the day. (Levi is off until Tuesday)

Friday, July 24th

Today we spent most of the day in the back forest of a private landowners property doing understory planting; we planted 72 plants in total. After planting, we went back to the office for lunch and to get everything we needed to conduct a beach cleanup with WRIG. We did this till the end of the day and ended up collecting 1 bag of garbage off of the Barachois Beach.

Monday, July 27th

Today we headed out to the Rustico Home Hardware to buy spray paint and chainsaw wedges before heading to St Mary's for the rest of the day. While we were there, we finished clearing the stream with the chainsaws, as well as removing a few different types of invasive species that were clogging the stream and slowing water flow. After finishing clearing the invasives, we then went back to maintain a brushmat that was installed a few years ago, as well as building two others before heading back to the truck to load everything for the end of the day (Katherine is out for the week)

Tuesday, July 28th

First thing this morning, the crew went out to dig up 14 white pines at a landowners meadow to be planted at another landowner's property. After digging up the pines, we took them along with some red oaks to the planting property. We planted trees, and then stakes all of the trees that we planted this year and last year. After completing that, we headed out to Rustico for lunch and to head to another tree planting property to replace some of his spruce trees that died. We then went back to the office to complete some computer work as well as cleaning the office.

Wednesday, July 29th

Today Anna and Connor went to drop off the truck at the mechanic's first thing this morning, and while they were doing that, Levi and I went to get gravel from a construction company in Springfield. After we all returned to the office, we went out to a landowners property for the rest of the day to complete some chainsaw work with him. There were a few more things he would like us to help with, so we will be going back next week.

Thursday, July 30th

Today we spent the entire day rebuilding and framing the rain garden at Gulf Shore School. At lunchtime, Anna, Chloe, and Emma left to head back to the office to prepare for a beach hut. Emma had to leave early.

Friday, July 31st

Today, Anna and I went out to pick up the truck from the mechanic, who recommended that we take it to the dealership for reprogramming before we continue with anything else. The rest of the crew did some office work until we returned, then we headed out to complete the depth logger and water samples from the week before, as well as a kick net macroinvertebrate sample from both Rosewood and Campbells. Chloe left at 11.

Monday, August 3rd

Today the crew went to get more gravel in Springfield to finish the Rain garden at Gulf Shore. We then went to Home Depot for tape to complete the tarping of our two knotweed patches. We then went to the natural area in Rustico to whipper-snip the trees planted last fall, then headed to Gulf Shore to finish the rain garden and plant some more milkweed. After that, we went to Janet's knotweed patch to fix the tarp and cut down any new growth. We then headed back to the office for lunch, after which we headed to Rosewood for the rest of the day to start some more maintenance on the knotweed patch.

Tuesday, August 4th

Today, Connor and I spent some time sharpening the chainsaw chains, while Emma and Levi went to the incinerator with some invasive bags. The rest of the crew worked on some data entry and office work. Once Emma and Levi returned, we packed up the chainsaw gear and headed out to MacLeod Rd to remove some trees that had fallen on the road. We did end up needing to leave due to the high winds after lunch, so we headed back to the office to make a plan for the evening. Chloe, Connor, and Levi went out to three landowners properties to place amphibian cover boards. While they did that, the rest of us stayed in the office to complete some office work for the rest of the day.

Wednesday, August 5th

Today we went to Chestnut Lane to chainsaw downfall by the stream. We spent the day bucking wood and pilling logs and brush, except for dropping off and picking up the truck from the garage, as it needed a wheel bearing replacement.

Thursday, August 6th

This morning I started by sharpening the chainsaws while the crew made a plan for the afternoon. We then headed out to David's to help him with some more chainsaw work for the rest of the morning. At around lunchtime, we packed up and went back to the office to get ready for our beach hut booth. After lunch, Connor, Emma, and Levi went to Cavendish to set up the beach hut booth. While they were there, Anna, Chloe, and I went back to pick up the canoe to then go take some dissolved oxygen measurements within our estuary to monitor for a potential anoxic event. After completing that, we returned the canoes then returned to the office to pack up for the day.

Friday, August 7th

Today, we started by heading to MacLeod Rd to clear the road of the fallen trees. After clearing the road, we then went down to the stream to clear a path along the side of the stream to allow easy access with the electrofishing backpack for later this year. Once we had finished with that, we went back to the office to take lunch, after which we then input data, plan for the next two weeks, clean the office and truck, and water our garden beds, which took us to the end of the day.

Monday, August 10th

Today Connor and I were off. The crew first went to MacLeod Rd to flag the trail we made for electrofishing. Then they went to the boat launch at Campbells pond to test out the water bladder with the new equipment, and it was successful. They then emptied the garbage. Then they went to the River Clyde Arts property to water the trees. Then they went to check on the trees we planted, then headed to the office for lunch. Afterwards the

completed 1Km of roadside garbage cleanup on Line Rd. Afterwards, they went to the New London dump to get rid of the garbage. After returning to the office, they completed office work as well as a few miscellaneous tasks.

Tuesday, August 11th

Today we started by going to Rosewood to continue maintenance on the knotweed tarp. However, it started raining before we could finish, so we went back to the office to complete some office work. Anna recorded bat roost count data that they had completed the night before, and Katherine and I worked on finding landowners we needed to contact for future projects. Chloe, Emma, and Levi went to MacLeod Rd to find some logs that we could use to outline the rain garden at Central Queens; however, the saw was giving them trouble, so Levi and I switched jobs, and I went back to MacLeod Rd with Chloe and Emma to finish collecting the logs. We then went to Central Queens to set up the logs around the garden before heading back to the office for the end of the day.

Wednesday, August 12th

Today, we returned to Rosewood to finish maintenance on the Knotweed tarps. We added a few new sections in locations where the knotweed had begun to grow. This included staking the edges of the tarp, then taping the two edges together. After extending the tarp in a few locations, we then piled logs, brush, and rocks on top of the tarp to reduce the chance of lift in the wind. We finished up at Rosewood after walking around and taping any holes that we had found. Then, around lunch, we packed up and went back to the office to eat, sharpen the chainsaws, and pack the truck to head to the main branch electro fishing site to cut a path. Katherine and I stayed in the office for the afternoon to complete some computer work while the rest of the crew went out to make the trails.

Thursday, August 13th

Today the crew started early so that we could drive up to the Townshend Woodlot to learn how to identify an old-growth forest, as well as learning a few different forestry measurement methods. We spent the day identifying plants, measuring trees, and estimating their ages. We completed a Bioblitz and learned how to use a clinometer and DBH tape

Friday, August 14th

Today the crew cleaned out the tree swallow nest boxes at a landowners house and Campbells, they also filmed a tutorial on how to use the water bladder for future crew members as well as took down the duck tube while at the landowners house. I was off today

Monday, August 17th

Today the crew started out by heading to Line Road to cut the electrofishing trail. This took most of the day, at lunch they had to head out to Home Hardware to buy more bar oil as they ran out.

Tuesday, August 18th

Today is our staff appreciation day!

Wednesday, August 19th

Today we started by staking and flagging remaining trees/shrubs at River Clyde Arts property. After finishing that we moved the reptile coverboard and planted a little milkweed and one Yellow Birch and Willow, near the back of the property, that we didn't GPS. After lunch the crew went to the Buote Legacy Trail to conduct a bioblitz and check on the coverboard. They then came back to the office to plant some more in the garden beds.

Thursday, August 20th

Today, we loaded up the truck and headed to Kent G. Ellis park to fix up a brushmat just down the confederation trail then afterwards we cleaned out the rest of the tree swallow nest boxes. We then went back to the office to do one last clean and gather all our things and return all of the watershed supplies. And then we headed out for the end of the season!

Friday, August 21st

Holiday (Gold Cup Day)