

Fish Community Inventory and Mark-Recapture Sampling of SARA-listed Fishes in Point Pelee National Park, Ontario, 2019

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ABSTRACT

Barnucz, J., Gáspárdy, R.C., Smith, K., and Drake, D.A.R. 2021. Fish Community Inventory and Mark-Recapture Sampling of SARA-listed Fishes in Point Pelee National Park, Ontario, 2019. Can. Data Rep. Fish. Aquat. Sci. 1323: vii + 72 p.

Point Pelee National Park (PPNP) contains several fish species listed under the *Species at Risk Act* (Lake Chubsucker [*Erimyzon succetta*]; Grass Pickerel [*Esox americanus vermiculatus*]; Spotted Gar [*Lepisosteus oculatus*]; Warmouth [*Lepomis gulosus*]; Channel Darter [*Percina copelandi*]), but the fish community has been sampled infrequently and without standardized effort over the past several decades. In 2019, Fisheries and Oceans Canada conducted fish community sampling in PPNP within the open waters of Lake Pond, East Cranberry Pond, and West Cranberry Pond to evaluate the composition of the fish community and estimate population size of select SARA-listed species. Sampling with mini-fyke nets occurred over two sampling periods (period one, mid-June to mid-July; period two, mid-July to mid-August) and included 207 net sets (3,943 total net soak hours) across 110 unique site locations. A total of 4,230 individuals representing 26 species were captured during period one, with Largemouth Bass (*Micropterus salmoides*; n = 2,641), Yellow Perch (*Perca flavescens*; n = 460), Black Crappie (*Pomoxis nigromaculatus*; n = 169), Bluegill (*Lepomis macrochirus*; n = 153), young of year *Lepomis* sp. (n = 143), and Pumpkinseed (*Lepomis gibbosus*) (n = 121) being the most abundant species. A total of 4,694 individuals representing 29 species were captured during sampling period two, with young of year *Lepomis* sp. (n = 2,308), Bluegill (n = 652), Black Crappie (n = 513), Yellow Perch (n = 362), Pumpkinseed (n = 153), and Largemouth Bass (n = 139) being the most abundant species. Altogether, a total of 132 Warmouth, eight Spotted Gar, six Grass Pickerel, and one Lake Chubsucker were captured, with multiple age classes observed for Warmouth and Grass Pickerel. Passive integrated transponder (PIT) tags were inserted into Warmouth (n = 40) and Spotted Gar (n = 6) that satisfied size-based criteria for tagging. No recaptures of tagged individuals occurred, indicating that future attempts to estimate population size will require alternative methods.

RÉSUMÉ

Barnucz, J., Gáspárdy, R.C., Smith, K., and Drake, D.A.R. 2021. Fish Community Inventory and Mark-Recapture Sampling of SARA-listed Fishes in Point Pelee National Park, Ontario, 2019. Can. Data Rep. Fish. Aquat. Sci. 1323: vii + 72 p.

Le parc national du Canada de la Pointe-Pelée abrite plusieurs espèces de poissons inscrites à la Loi sur les espèces en péril (le sucet de lac [*Erimyzon sucetta*]; le brochet vermiculé [*Esox americanus vermiculatus*]; le lépisosté tacheté [*Lepisosteus oculatus*]; le crapet sac-à-lait [*Lepomis gulosus*]; le fouille-roche gris [*Percina copelandi*]), mais la communauté de poissons a été échantillonnée rarement et sans effort normalisé au cours des dernières décennies. En 2019, Pêches et Océans Canada a procédé à un échantillonnage de la communauté de poissons dans les eaux libres des étangs Lake, East Cranberry et West Cranberry du parc national de la Pointe-Pelé afin d'en évaluer et d'estimer la taille de la population de certaines espèces inscrites à la LEP. Deux périodes d'échantillonnage ont été réalisées (la première période s'est déroulée de la mi-juin à la mi juillet et la deuxième, de la mi juillet à la mi août) à l'aide de petits verveux, soit 207 ensembles de verveux (pour un total de 3 943 heures de mouillage) répartis sur 110 emplacements distincts. Au total, 4 320 individus représentant 26 espèces ont été capturés durant la première période; l'achigan à grande bouche (*Micropterus salmoides*; n = 2 641), la perchaude (*Perca flavescens*; n = 460), la marigane noire (*Pomoxis nigromaculatus*; n = 169), le crapet arlequin (*Lepomis macrochirus*; n = 153), des jeunes *Lepomis* de l'année (n = 143) et le crapet soleil (*Lepomis gibbosus*; n = 121) étaient les espèces les plus abondantes. Au total, 4 694 individus représentant 29 espèces ont été capturés durant la deuxième période; des jeunes *Lepomis* de l'année (n = 2 308), le crapet arlequin (n = 652), la marigane noire (n = 513), la perchaude (n = 362), le crapet soleil (n = 153) et l'achigan à grande bouche (n = 139) étaient les espèces les plus abondantes. Au total, un total de 132 de crapets sac-à-lait, 8 lépisostés tachetés, 6 brochets vermiculés et 1 sucet de lac ont été capturés, et plusieurs classes d'âge ont été observées pour le crapet sac à lait et le brochet vermiculé. Des étiquettes à transpondeur passif intégré ont été insérées dans les crapets sac à lait (n = 40) et dans les lépisostés tachetés (n = 6) dont la taille répondait aux critères de marquage. Aucune recapture d'individus marqués n'est survenue, ce qui indique qu'il faudra mettre en œuvre d'autres méthodes pour les prochaines tentatives visant à estimer la taille des populations.

INTRODUCTION

Fisheries and Oceans Canada (DFO) has the responsibility to provide for the protection and recovery of fishes listed under the *Species at Risk Act* of 2002 (SARA). To inform scientific aspects of the recovery process, DFO regularly conducts field sampling to satisfy several research objectives for SARA-listed fishes, such as evaluating the distribution and abundance of species, determining species-habitat relationships, and better understanding the influence of threats and recovery actions. DFO data reports are published to support the Species at Risk Program by providing an overview of field activities and to provide a medium for archiving data associated with the sampling of SARA-listed fishes and their habitat.

This data report summarizes field sampling by DFO to better understand the composition of the fish community within Point Pelee National Park (PPNP) and to estimate the population size of selected SARA-listed fishes. Point Pelee National Park is located on a sand spit extending into the western basin of Lake Erie. The park consists of 451 ha of terrestrial area and 1113 ha of wetland area (Surette 2006). Wetlands in PPNP include seven open water ponds (Sanctuary, Bush, Lake, Redhead, East Cranberry, West Cranberry, and Girardin), which collectively encompass approximately 254 ha of the 1113 ha wetland area. Point Pelee National Park provides habitat for several SARA-listed fishes, including Lake Chubsucker (*Erimyzon sucetta*; Endangered), Spotted Gar (*Lepisosteus oculatus*; Endangered), Grass Pickerel (*Esox americanus vermiculatus*; Special Concern), Warmouth (*Lepomis gulosus*; Special Concern) and Channel Darter (*Percina copelandi*; Lake Erie Designatable Unit, Endangered). With the exception of Channel Darter, SARA-listed fishes reside in wetlands contained within the park. Warmouth was first recorded from PPNP in 1983, and has since been collected on several occasions, including 657 specimens from 87 sites between 2002 and 2003 [Committee on the Status of Endangered Wildlife in Canada (COSEWIC) 2015a, Surette 2006]. Spotted Gar was believed to be quite rare in the park, with only 20 specimens observed prior to 2007 (COSEWIC 2015b); however, sampling in 2009 yielded 93 specimens, representing the largest recorded observation of the species in PPNP (Glass et. al 2012). Lake Chubsucker was first observed in PPNP in 1949 (COSEWIC 2008) but was not detected again until 2003, when 25 specimens were captured in Girardin Pond (Surette 2006, COSEWIC 2008). Grass Pickerel has historically been observed in low numbers in PPNP, having been first observed in 1949 when 21 specimens were captured. Since that time only a few observations have occurred, including six individuals in 1997 and nine individuals in 2002 (COSEWIC 2005). Relatively little sampling of the fish community in PPNP has occurred since the extensive field work of Surette (2006).

In 2019 Fisheries and Oceans Canada conducted field sampling for fishes in PPNP. Sampling was conducted in Lake Pond, East Cranberry Pond, and West Cranberry Pond as part of a pilot project prior to undertaking more extensive community sampling in future years. The objectives of 2019 sampling were:

- 1) To understand the composition and spatial distribution of the fish community within a subset of focal ponds: Lake Pond, East Cranberry Pond, West Cranberry Pond;
- 2) To estimate the population abundance of select SARA-listed fishes (Spotted Gar, Lake Chubsucker, Warmouth, Grass Pickerel) within the focal ponds using mark-recapture tagging methods; and,
- 3) Through tagging data, to evaluate the site fidelity, movement, and habitat associations of Spotted Gar, Lake Chubsucker, Warmouth, and Grass Pickerel within the focal ponds.

METHODS

STUDY AREA AND SITE SELECTION

Fish sampling was conducted in the open waters of Lake Pond, West Cranberry Pond, and East Cranberry Pond. The first sampling period began on June 17th and ended on July 10th 2019, representing in a period of approximately four weeks. The second sampling period began on July 19th and ended on August 7th 2019, representing a sampling period of three weeks. A total of 207 net sets, across 110 unique site locations (hereafter, 'sites'), occurred in 2019. The first sampling period involved sampling 106 sites. The second sampling period involved resampling 95 of the sites fished during the first period, plus an additional four sites that were not fished during sampling period one (Table 1, Table 2). Differences in site visits between sampling periods were due to changes in macrophyte growth or other sampling constraints (e.g., site access, weather). Sampling effort during both sampling periods was allocated proportionally to the surface area of each pond based on a target of 100 total net sets per sampling period. Forty-four and 42 sites were sampled in Lake Pond, 33 and 31 sites were sampled in West Cranberry, and 29 and 26 sites were sampled in East Cranberry during the first and second sampling periods, respectively (Table 1, Table 2, Figure 1a, Figure 1b). Individual site locations were selected by identifying areas that could be effectively fished with mini-fyke nets (water depths < 2 m near the shoreline) while ensuring a minimum spacing of 100 metres between sites. Selection criteria resulted in relatively consistent spacing of sites along the perimeter of each pond. Owing to high water levels in 2019 a portion of the shoreline (<15%) was unavailable for mini-fyke placement.

FISH ASSEMBLAGE SAMPLING

Fishes were sampled with mini-fyke nets, which had a 0.6 m x 1.2 m box opening followed by 0.6 m diameter hoops attached to a 7.6 m lead (0.6 m depth) and 2 m x 4.8 m wings (also 0.6 m depth). The entire net was constructed of 3 mm (1/8" mesh). A large-diameter protective net (~5cm mesh) was placed over the opening box to deter turtles from entering the net. Each net had a zipper installed on the box to allow for the rapid removal of large fishes and incidental turtle captures, and also allowed for a large float to be inserted to ensure that captured turtles could reach the water's surface (Larocque et al. 2012). During net deployment, efforts were made to secure the lead against the shore or patches of dense macrophytes, which encouraged fishes to enter the net. Nets were fished for a period of approximately 17 to 20 hours depending on travel time and site access to each net.

Fishes captured in each net were identified to species level (where possible), enumerated, and the minimum and maximum total length (TL; mm) of each species was recorded. At least one representative specimen of each species at each net was retained as a voucher, either by digital photograph or as a physical voucher. Priority was given to using photo vouchers as a condition of the National Parks sampling permits. When required, physical vouchers were preserved in 10% buffered Formalin and species identification was confirmed in the laboratory. All photo and physical vouchers were identified based on Holm et al. (2019a,b) and Holm and Burridge (2019).

TAGGING PROCEDURES

Captured Warmouth, Spotted Gar, Grass Pickerel, and Lake Chubsucker were sedated in a clove oil solution (10 parts 95% ethanol to one part clove oil), which was added to fresh, oxygenated water at a concentration of 0.4 ml of solution per litre of water. Individual Warmouth, Spotted Gar, Grass Pickerel, and Lake Chubsucker were measured for mass (g) and total length (TL; mm). A subset of captured individuals that satisfied size-based criteria were selected

for the insertion of passive integrated transponder (PIT) tags. Warmouth greater than 75 mm TL received a 12 mm PIT tag, which was placed into the body cavity as described by Kaemingk et al. (2011). Spotted Gar greater than 75 mm TL received a 12 mm PIT tag implanted into the muscle tissue at the posterior base of the dorsal fin using a syringe injector as described by Buckmeier and Reeves (2012). Grass Pickerel greater than 100 mm TL received a 10 mm PIT tag implanted into the body cavity. Lake Chubsucker greater than 70 mm TL received a 10 mm PIT tag implanted into the body cavity as described by Burdick (2011). After tags were implanted, each tagged individual received a pectoral fin clip (left side). Tagged fishes were then placed into a live-well of fresh, oxygenated water for a minimum of 20 minutes to ensure recovery from the tagging procedure. Following recovery, tagged fishes were released at the capture site.

AQUATIC HABITAT SAMPLING

Habitat sampling was conducted prior to net deployment. Three depth measurements (m) were taken at representative depths within the sampling site. Surface water temperature (°C), conductivity (µS), turbidity (NTU) and dissolved oxygen (mg/L) were measured using a YSI® EXO2 Multiparameter Sonde Unit. Additional turbidity measurements (m) were collected using a 120 cm Fieldmaster® turbidity tube. Air temperature (°C) was measured using a Kestrel® wind meter. Site location (latitude, longitude) was determined using a Garmin® handheld GPS unit. The proportion of the site covered by aquatic macrophyte classes (submerged, emergent, floating, and open water) was assessed visually to a total of 100% and the dominant class was reported. In addition, all macrophytes observed at each site were identified to the lowest taxonomic level possible, and the dominant taxonomic group was recorded. Physical aquatic macrophyte sampling previously used by DFO, which involves a modified garden rake to determine relative macrophyte density (Wagner and Mikulyuk 2012), was not incorporated due to the high water levels encountered in 2019. Aquatic macrophytes were assessed visually at each site. Substrate composition at each site in sampling period one was analyzed with a Petite Ponar dredge. The percent composition of the dredged substrate sample was based on median particle diameters: clay (0 – 0.002 mm), silt (0.002 – 0.02 mm), sand (0.02 – 2 mm), gravel (2 – 40 mm), cobble (40 – 256 mm), and boulder (>256 mm excluding bedrock).

SAMPLING PERMITS AND DATA ARCHIVE

Sampling for this project was conducted under the authority of Species at Risk Act Authorization Permit 19-PCA-00016 (applies to PP-2019-32658), Parks Canada Research and Collection Permit PP-2019-32658, and Animal Use Permit 1967-AUP, all described under the Parks Canada Research and Collection Permit Application 39761. All fyke-net activities, fish anesthesia, and fish tagging were conducted under Standard Operating Protocols GWACC-115, GWACC-105, and GWACC-130 approved by the Environment and Climate Change Canada Animal Care Committee (operated under the approval of the Canadian Council of Animal Care). Data associated with these collections is housed under the project code “2019-PPNP” in the Biodiversity Science Database within the Great Lakes Laboratory for Fisheries and Aquatic Sciences. Every effort has been made to ensure the accuracy of data contained in this report; however, species identities and other sampling results may be revised as part of a long-term data archiving process. Raw data associated with this data report may be obtained by contacting the Great Lakes Laboratory for Fisheries and Aquatic Sciences.

RESULTS

EFFORT AND FISH COMMUNITY SAMPLING

Sampling effort in period one, measured as net soak time, ranged from 17.1 hours to 20 hours per net set, with a mean of 18.74 hours (Table 1a). A total of 4,230 fishes representing 26 species were captured in period one (Figure 2, Table 3a). Based on pooled catch data, the most abundant species in period one were Largemouth Bass (*Micropterus salmoides*; n = 2,641), Yellow Perch (*Perca flavescens*; n = 460), Black Crappie (*Pomoxis nigromaculatus*; n = 169), Bluegill (*Lepomis macrochirus*; n = 153) and Pumpkinseed (*Lepomis gibbosus*; n = 121; Figure 2, Table 3a). Species captured only during period one included Lake Chubsucker (*Erimyzon sucetta*; n = 1), Bigmouth Buffalo (*Ictiobus cyprinellus*; n = 1), and Fathead Minnow (*Pimephales promelas*; n = 1; Table 3a). Sampling effort in period two ranged from 17 hours to 24.1 hours per net set, with a mean of 19.79 hours (Table 1b). A total of 4,694 fishes representing 29 species were captured in period two (Figure 2, Table 3b). The most abundant species captured in period two were young of year *Lepomis* sp. (n = 2,308), Bluegill (n = 652), Black Crappie (n = 513), Yellow Perch (n = 362), Pumpkinseed (n = 153), and Largemouth Bass (n = 139; Figure 2, Table 3b). Species captured only during period two included Goldfish (*Carassius auratus*; n = 3), Northern Pike (*Esox lucius*; n = 1), Green Sunfish (*Lepomis cyanellus*; n = 6), White Bass (*Morone chrysops*; n = 7), Round Goby (*Neogobius melanostomus*; n = 3), and Walleye (*Sander vitreus*; n = 3; Table 3b). A total of 8,924 fishes representing 32 species were captured across both sampling periods (Figure 2, Table 3).

FISH SPECIES AT RISK SAMPLING

A total of 132 Warmouth were captured across both sampling periods, with 57 and 75 captured during periods one and two, respectively (Table 4). The mean length of Warmouth across both sampling periods was 100.99 mm TL with a minimum of 20 mm TL and a maximum of 203 mm TL (Table 4, Table 5). Only 71 of the 132 captured Warmouth were measured for mass. Mean mass of these specimens across both periods was 42.46 g with a minimum mass of 3.5 g and a maximum mass of 145 g (Table 4, Table 5, Figure 3a). A total of 40 Warmouth were tagged during period one. There were no recaptures of tagged Warmouth in either sampling period (Table 4).

A total of eight Spotted Gar were captured, with six captured during period one and two captured in period two (Table 4). The mean length for Spotted Gar across both periods was 574.5 mm TL with a minimum of 505 mm TL and a maximum of 650 mm TL (Table 4, Table 5, Figure 3b). Only six Spotted Gar were weighed; these specimens had a mean mass of 735.67 g with a minimum mass of 410 g and a maximum mass of 1077 g (Table 4, Table 5, Figure 3b). Six Spotted Gar were tagged in period one (Table 4). There were no recaptures of tagged Spotted Gar in either sampling period (Table 4).

A total of six Grass Pickerel were captured across both sampling periods (three in each period; Table 4, Figure 3c). The mean length for Grass Pickerel across both periods was 90.67 mm TL with a minimum of 76 mm TL and a maximum of 105 mm TL (Table 4, Table 5, Figure 3c). Only three of the six captured Grass Pickerel were weighed. The average mass of Grass Pickerel was 18.17 g with a minimum mass of 2 g and a maximum mass of 50 g (Table 4, Table 5, Figure 3C). No Grass Pickerel were tagged during sampling as they were deemed too small based on the tagging criteria (Table 4).

One individual Lake Chubsucker was captured during sampling period one (Table 4). This specimen was 175 mm TL and no mass was recorded (Table 4, Table 5). The Lake Chubsucker

was not tagged because it was not identified properly and it was also deemed to be in poor physical condition (Table 4).

HABITAT SAMPLING

Aquatic Habitat Assessment

Habitat samples were obtained at all 106 sampling sites during sampling period one. Air temperature ranged from 17.6 °C to 34.1 °C with a mean of 26.7 °C (Table 6a). Water temperature ranged from 16.2 °C to 27.9 °C with a mean of 24.2 °C (Table 6a). Conductivity ranged from 219 µS to 296.30 µS with a mean of 252.55 µS (Table 6a). Dissolved oxygen ranged from 0.39 mg/L to 15.75 mg/L with a mean of 7.93 mg/L (Table 6a). Turbidity tube ranged from 0.48 m to 1.16 m with a mean of 0.83 m (Table 6a). Turbidity ranged from 0.31 NTU to 11.35 NTU with a mean of 3.04 NTU (Table 6a). Mean depth ranged from 0.82 m to 2.32 m with a grand mean of 1.54 m (Table 6a).

Habitat samples were obtained at all 99 sites during sampling period two. Air temperature ranged from 24.6 °C to 36.4 °C with a mean of 30.3 °C (Table 6b). Water temperature ranged from 21 °C to 31.8 °C with a mean of 25.6 °C (Table 6b). Conductivity ranged from 232.8 µS to 291.9 µS with a mean of 255.93 µS (Table 6b). Dissolved oxygen ranged from 0.32 mg/L to 16.44 mg/L with a mean of 5.78 mg/L (Table 6b). Turbidity tube ranged from 0.12 m to 1.82 m with a mean of 0.74 m (Table 6b). Turbidity ranged from 0.1 NTU to 75.30 NTU with a mean of 6.27 NTU (Table 6b). Mean depth ranged from 0.30 m to 1.88 m with a grand mean of 1.41 m (Table 6b).

Most sites were dominated by silt and detritus during period one (raw substrate data not presented). Substrate was not collected from 18% of sites in period one due to issues with deployment of the petite ponar dredge. Substrate was not collected in sampling period two.

Aquatic Macrophyte Assessment

Of the 106 sites sampled during period one, emergent vegetation cover ranged from 0% to 60% with a mean of 3.14%; floating vegetation cover ranged from 0% to 95% with a mean of 25.81%; submerged vegetation cover ranged from 0% to 100% with a mean of 30.19%; and, open water cover range from 0% to 100% with a mean of 40.9% (Table 7a). The most common macrophyte class observed across all sites in period one was open water (44 sites)(Table 7a). The most common aquatic macrophyte genera observed during period one were *Nuphar* sp. (56 sites), *Typha* sp. (55 sites), *Potamogeton* sp. (53 sites), *Myriophyllum* sp. (39 sites), and *Hibiscus* sp. (32 sites; Table 8a).

Of the 99 sites sampled during period two, emergent vegetation cover ranged from 0% to 80% with a mean of 3.13%; floating vegetation ranged from 0% to 95% with a mean of 17.32%; submerged vegetation cover ranged from 0% to 100% with a mean of 28.03%; and, open water ranged from 0% to 100% with a mean of 35.38% (Table 7a). The most common macrophyte class observed across all sites in period two was open water (42 sites)(Table 7b). The most common aquatic macrophyte genera observed during period two were *Potamogeton* sp. (58 sites), *Typha* sp. (55 sites), *Nuphar* sp. (54 sites), *Myriophyllum* sp. (39 sites), and *Hibiscus* sp. (30 sites; Table 8b).

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REFERENCES

- Burdick, S.M., 2011. Tag loss and short-term mortality associated with passive integrated transponder tagging of juvenile Lost River Suckers. *North American Journal of Fisheries Management*, 31(6), 1088-1092.
- Buckmeier, D.L. and Reeves, K.S. 2012. Retention of passive integrated transponder, T-bar anchor, and coded wire tags in lepisosteids. *North American Journal of Fisheries Management*, 32(3), 573-576.
- Committee on the Status of Endangered Wildlife in Canada (COSEWIC) 2005. [COSEWIC assessment and status report on the Grass Pickerel *Esox americanus vermiculatus* in Canada](#). Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 27 pp. (www.sararegistry.gc.ca/status/status_e.cfm).
- COSEWIC. 2008. [COSEWIC assessment and update status report on the Lake Chubsucker *Erimyzon sucetta* in Canada](#). Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 29 pp. (www.sararegistry.gc.ca/status/status_e.cfm).
- COSEWIC. 2015a. [COSEWIC assessment and status report on the Warmouth *Lepomis gulosus* in Canada](#). Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 47 pp. (www.sararegistry.gc.ca/status/status_e.cfm).
- COSEWIC. 2015b. [COSEWIC assessment and status report on the Spotted Gar *Lepisosteus oculatus* in Canada](#). Committee on the Status of Endangered Wildlife in Canada. Ottawa. xii + 40 pp. (www.sararegistry.gc.ca/status/status_e.cfm).
- Glass, W.R., L.D. Corkum, and Mandrak, N.E. 2012. Spring and summer distribution and habitat use by adult threatened Spotted Gar in Rondeau Bay, Ontario using radiotelemetry. *Transactions of the American Fisheries Society*, 141(4), 1026-1035.
- Holm, E., Burrige, M., and Wells, B. 2019a. ROM Ontario Fish Identification Workshop, Introductory Lab Manual. Royal Ontario Museum. 134 pp.
- Holm, E., Barnucz, J., and Burrige, M. 2019b. ROM & DFO Ontario Fish Species at Risk, Workshop Lab Manual. Royal Ontario Museum. 66 pp.
- Holm., E., and Burrige, M. 2019. ROM Minnow Identification Workshop, Lab Manual. Royal Ontario Museum. 108 pp.
- Kaemingk, M.A., Weber, M.J., McKenna, P.R. and Brown, M.L., 2011. Effect of passive integrated transponder tag implantation site on tag retention, growth, and survival of two sizes of juvenile Bluegills and Yellow Perch. *North American Journal of Fisheries Management*, 31(4), 726-732.

Larocque, S.M., Cooke, S.J., and Blouin-Demers, G., 2012. A breath of fresh air: avoiding anoxia and mortality of freshwater turtles in fyke nets by the use of floats. *Aquatic Conserv: Mar. Freshw. Ecosyst.* 22:198-205

Surette, H.J. 2006. Processes influencing temporal variation in fish species composition in Point Pelee National Park. MSc Thesis, University of Guelph. 105 pp.

Wagner, K. and Mikulyuk, A. 2012. Rapid Macrophyte Habitat Assessment Methodology. Miscellaneous Publication PUB-SS-1118 2012. Bureau of Science Services, Wisconsin Department of Natural Resources, Madison, WI.

Table 1. Site locations, effort, and sample date for a) sample period one, and b) sample period two of the 2019 fish community inventory of Point Pelee National Park.

a) Sample Period One

| Site number | Sampling period | Field number | Sampling effort (hrs) | Sampling date | Waterbody name | Latitude | Longitude |
|-------------|-----------------|-----------------------|-----------------------|---------------|----------------|----------|-----------|
| 1 | 1 | 2019-PPNP-090719-001A | 18.7 | 09-Jul-19 | West Cranberry | 41.97493 | -82.51704 |
| 2 | 1 | 2019-PPNP-090719-002A | 19 | 09-Jul-19 | West Cranberry | 41.97573 | -82.51900 |
| 3 | 1 | 2019-PPNP-180619-004A | 17.2 | 18-Jun-19 | West Cranberry | 41.97551 | -82.5198 |
| 4 | 1 | 2019-PPNP-090719-003A | 19.1 | 09-Jul-19 | West Cranberry | 41.97636 | -82.52007 |
| 5 | 1 | 2019-PPNP-090719-004A | 18.9 | 09-Jul-19 | West Cranberry | 41.97704 | -82.52029 |
| 6 | 1 | 2019-PPNP-090719-005A | 18.9 | 09-Jul-19 | West Cranberry | 41.97530 | -82.52058 |
| 7 | 1 | 2019-PPNP-090719-006A | 18.8 | 09-Jul-19 | West Cranberry | 41.97513 | -82.52122 |
| 8 | 1 | 2019-PPNP-180619-005A | 17.6 | 18-Jun-19 | West Cranberry | 41.97514 | -82.52187 |
| 9 | 1 | 2019-PPNP-090719-007A | 18.8 | 09-Jul-19 | West Cranberry | 41.97516 | -82.52226 |
| 10 | 1 | 2019-PPNP-180619-006A | 17.3 | 18-Jun-19 | West Cranberry | 41.97583 | -82.52325 |
| 11 | 1 | 2019-PPNP-090719-009A | 19 | 09-Jul-19 | West Cranberry | 41.97641 | -82.52325 |
| 12 | 1 | 2019-PPNP-180619-007A | 17.3 | 18-Jun-19 | West Cranberry | 41.97674 | -82.52383 |
| 13 | 1 | 2019-PPNP-090719-010A | 19 | 09-Jul-19 | West Cranberry | 41.97718 | -82.52422 |
| 14 | 1 | 2019-PPNP-180619-008A | 17.4 | 18-Jun-19 | West Cranberry | 41.97808 | -82.52405 |
| 15 | 1 | 2019-PPNP-190619-001A | 18.7 | 19-Jun-19 | West Cranberry | 41.97918 | -82.52286 |
| 16 | 1 | 2019-PPNP-190619-002A | 18.7 | 19-Jun-19 | West Cranberry | 41.97976 | -82.5238 |
| 17 | 1 | 2019-PPNP-190619-003A | 18.7 | 19-Jun-19 | West Cranberry | 41.98099 | -82.52178 |
| 18 | 1 | 2019-PPNP-190619-004A | 18.7 | 19-Jun-19 | West Cranberry | 41.98203 | -82.51993 |
| 19 | 1 | 2019-PPNP-190619-005A | 18.7 | 19-Jun-19 | West Cranberry | 41.98294 | -82.51852 |
| 20 | 1 | 2019-PPNP-190619-006A | 18.8 | 19-Jun-19 | West Cranberry | 41.98315 | -82.51678 |
| 21 | 1 | 2019-PPNP-190619-007A | 18.8 | 19-Jun-19 | West Cranberry | 41.98195 | -82.51572 |
| 22 | 1 | 2019-PPNP-190619-008A | 18.8 | 19-Jun-19 | West Cranberry | 41.98124 | -82.51399 |
| 23 | 1 | 2019-PPNP-240619-001A | 19.1 | 24-Jun-19 | West Cranberry | 41.98033 | -82.51358 |
| 24 | 1 | 2019-PPNP-240619-002A | 18.9 | 24-Jun-19 | West Cranberry | 41.97921 | -82.51343 |
| 25 | 1 | 2019-PPNP-240619-003A | 18.7 | 24-Jun-19 | West Cranberry | 41.97835 | -82.51277 |
| 26 | 1 | 2019-PPNP-240619-004A | 19.1 | 24-Jun-19 | West Cranberry | 41.97814 | -82.51118 |
| 27 | 1 | 2019-PPNP-240619-005A | 19.2 | 24-Jun-19 | West Cranberry | 41.97711 | -82.5131 |
| 28 | 1 | 2019-PPNP-240619-006A | 19.3 | 24-Jun-19 | West Cranberry | 41.97564 | -82.51395 |
| 29 | 1 | 2019-PPNP-240619-007A | 19.4 | 24-Jun-19 | West Cranberry | 41.97424 | -82.51496 |
| 30 | 1 | 2019-PPNP-240619-008A | 19.4 | 24-Jun-19 | West Cranberry | 41.97367 | -82.51600 |
| 31 | 1 | 2019-PPNP-080719-010A | 19.2 | 08-Jul-19 | West Cranberry | 41.97274 | -82.51593 |
| 32 | 1 | 2019-PPNP-240619-009A | 19.4 | 24-Jun-19 | West Cranberry | 41.97194 | -82.51591 |
| 33 | 1 | 2019-PPNP-240619-010A | 19.2 | 24-Jun-19 | Lake Pond | 41.97117 | -82.51669 |
| 34 | 1 | 2019-PPNP-250619-001A | 18.4 | 25-Jun-19 | Lake Pond | 41.97054 | -82.51559 |
| 35 | 1 | 2019-PPNP-250619-002A | 18.3 | 25-Jun-19 | Lake Pond | 41.96967 | -82.51466 |
| 36 | 1 | 2019-PPNP-250619-003A | 18.4 | 25-Jun-19 | Lake Pond | 41.97002 | -82.51350 |
| 37 | 1 | 2019-PPNP-250619-004A | 18.3 | 25-Jun-19 | Lake Pond | 41.96875 | -82.51276 |

| Site number | Sampling period | Field number | Sampling effort (hrs) | Sampling date | Waterbody name | Latitude | Longitude |
|-------------|-----------------|--------------------------------|-----------------------|---------------|----------------|----------|-----------|
| 38 | 1 | 2019-PPNP-250619-005A | 18.3 | 25-Jun-19 | Lake Pond | 41.96833 | -82.51143 |
| 39 | 1 | 2019-PPNP-250619-006A | 17.8 | 25-Jun-19 | East Cranberry | 41.96842 | -82.51004 |
| 40 | 1 | 2019-PPNP-250619-007A | 17.7 | 25-Jun-19 | East Cranberry | 41.96887 | -82.51035 |
| 41 | 1 | 2019-PPNP-250619-008A | 17.7 | 25-Jun-19 | East Cranberry | 41.96967 | -82.51141 |
| 42 | 1 | 2019-PPNP-250619-009A | 17.6 | 25-Jun-19 | East Cranberry | 41.97067 | -82.51160 |
| 43 | 1 | 2019-PPNP-250619-010A | 17.5 | 25-Jun-19 | East Cranberry | 41.97141 | -82.51066 |
| 44 | 1 | 2019-PPNP-100719-001A | 18.7 | 10-Jul-19 | East Cranberry | 41.97161 | -82.51017 |
| 45 | 1 | 2019-PPNP-260619-001A | 19.3 | 26-Jun-19 | East Cranberry | 41.97198 | -82.50951 |
| 46 | 1 | 2019-PPNP-100719-002A | 19 | 10-Jul-19 | East Cranberry | 41.97231 | -82.50967 |
| 47 | 1 | 2019-PPNP-260619-002A | 19.4 | 26-Jun-19 | East Cranberry | 41.97242 | -82.51035 |
| 48 | 1 | 2019-PPNP-100719-003A | 19 | 10-Jul-19 | East Cranberry | 41.97291 | -82.51060 |
| 49 | 1 | 2019-PPNP-260619-003A | 19.6 | 26-Jun-19 | East Cranberry | 41.97334 | -82.51039 |
| 50 | 1 | 2019-PPNP-100719-004A | 19 | 10-Jul-19 | East Cranberry | 41.97376 | -82.50999 |
| 51 | 1 | 2019-PPNP-260619-004A | 19.5 | 26-Jun-19 | East Cranberry | 41.97423 | -82.50964 |
| 52 | 1 | 2019-PPNP-100719-005A | 18.9 | 10-Jul-19 | East Cranberry | 41.97450 | -82.50912 |
| 53 | 1 | 2019-PPNP-260619-005A | 19.5 | 26-Jun-19 | East Cranberry | 41.97484 | -82.50887 |
| 54 | 1 | 2019-PPNP-100719-006A | 18.9 | 10-Jul-19 | East Cranberry | 41.97492 | -82.50820 |
| 55 | 1 | 2019-PPNP-260619-006A | 18.8 | 26-Jun-19 | East Cranberry | 41.97490 | -82.50762 |
| 56 | 1 | 2019-PPNP-100719-007A | 18.8 | 10-Jul-19 | East Cranberry | 41.97461 | -82.50713 |
| 57 | 1 | 2019-PPNP-260619-007A | 19.6 | 26-Jun-19 | East Cranberry | 41.97417 | -82.50662 |
| 58 | 1 | 2019-PPNP-100719-008A | 18.7 | 10-Jul-19 | East Cranberry | 41.97369 | -82.50658 |
| 59 | 1 | 2019-PPNP-260619-008A | 19.7 | 26-Jun-19 | East Cranberry | 41.97315 | -82.50642 |
| 60 | 1 | 2019-PPNP-100719-009A | 18.6 | 10-Jul-19 | East Cranberry | 41.97279 | -82.50683 |
| 61 | 1 | 2019-PPNP-260619-009A | 19.6 | 26-Jun-19 | East Cranberry | 41.97222 | -82.50663 |
| 62 | 1 | 2019-PPNP-100719-010A | 18.5 | 10-Jul-19 | East Cranberry | 41.97158 | -82.50689 |
| 63 | 1 | 2019-PPNP-260619-010A | 19.6 | 26-Jun-19 | East Cranberry | 41.97120 | -82.50647 |
| 64 | 1 | 2019-PPNP-020719-001A | 18.7 | 02-Jul-19 | East Cranberry | 41.97023 | -82.50598 |
| 65 | 1 | 2019-PPNP-020719-002A | 18.6 | 02-Jul-19 | East Cranberry | 41.96927 | -82.50623 |
| 66 | 1 | 2019-PPNP-020719-003A | 18.8 | 02-Jul-19 | East Cranberry | 41.96845 | -82.50687 |
| 67 | 1 | 2019-PPNP-020719-004A | 18.8 | 02-Jul-19 | East Cranberry | 41.96800 | -82.50819 |
| 68 | 1 | 2019-PPNP-020719-005A | 18.4 | 02-Jul-19 | Lake Pond | 41.96767 | -82.50825 |
| 69 | 1 | 2019-PPNP-020719-006A | 18.3 | 02-Jul-19 | Lake Pond | 41.96771 | -82.50733 |
| 70 | 1 | <i>Not Sampled in Period 1</i> | | | | | |
| 71 | 1 | 2019-PPNP-020719-007A | 18.2 | 02-Jul-19 | Lake Pond | 41.96827 | -82.50459 |
| 72 | 1 | 2019-PPNP-020719-008A | 18.2 | 02-Jul-19 | Lake Pond | 41.96545 | -82.50425 |
| 73 | 1 | 2019-PPNP-170619-001A | 18.3 | 17-Jun-19 | Lake Pond | 41.9649 | -82.50485 |
| 74 | 1 | 2019-PPNP-020719-009A | 18.1 | 02-Jul-19 | Lake Pond | 41.96434 | -82.50494 |
| 75 | 1 | 2019-PPNP-020719-010A | 18.3 | 02-Jul-19 | Lake Pond | 41.96386 | -82.5052 |
| 76 | 1 | 2019-PPNP-030719-001A | 19.5 | 03-Jul-19 | Lake Pond | 41.96316 | -82.50491 |
| 77 | 1 | <i>Not Sampled in Period 1</i> | | | | | |
| 78 | 1 | 2019-PPNP-170619-002A | 18.2 | 17-Jun-19 | Lake Pond | 41.96255 | -82.50455 |

| Site number | Sampling period | Field number | Sampling effort (hrs) | Sampling date | Waterbody name | Latitude | Longitude |
|-------------|-----------------|--------------------------------|-----------------------|---------------|----------------|----------|-----------|
| 79 | 1 | 2019-PPNP-030719-002A | 19.4 | 03-Jul-19 | Lake Pond | 41.96189 | -82.50455 |
| 80 | 1 | 2019-PPNP-170619-003A | 18.1 | 17-Jun-19 | Lake Pond | 41.96162 | -82.50485 |
| 81 | 1 | 2019-PPNP-030719-003A | 18.7 | 03-Jul-19 | Lake Pond | 41.96109 | -82.50513 |
| 82 | 1 | 2019-PPNP-170619-004A | 18.1 | 17-Jun-19 | Lake Pond | 41.96063 | -82.50546 |
| 83 | 1 | 2019-PPNP-030719-004A | 18.8 | 03-Jul-19 | Lake Pond | 41.96027 | -82.50519 |
| 84 | 1 | 2019-PPNP-030719-005A | 19 | 03-Jul-19 | Lake Pond | 41.95927 | -82.50502 |
| 85 | 1 | 2019-PPNP-170619-005A | 19.2 | 17-Jun-19 | Lake Pond | 41.95881 | -82.50572 |
| 86 | 1 | 2019-PPNP-030719-006A | 18.9 | 03-Jul-19 | Lake Pond | 41.96167 | -82.51096 |
| 87 | 1 | 2019-PPNP-030719-007A | 19 | 03-Jul-19 | Lake Pond | 41.96257 | -82.51195 |
| 88 | 1 | 2019-PPNP-170619-006A | 19.1 | 17-Jun-19 | Lake Pond | 41.96348 | -82.51335 |
| 89 | 1 | 2019-PPNP-030719-008A | 18.9 | 03-Jul-19 | Lake Pond | 41.96428 | -82.51416 |
| 90 | 1 | 2019-PPNP-030719-009A | 18.8 | 03-Jul-19 | Lake Pond | 41.96493 | -82.51502 |
| 91 | 1 | 2019-PPNP-030719-010A | 18.7 | 03-Jul-19 | Lake Pond | 41.96556 | -82.51633 |
| 92 | 1 | 2019-PPNP-080719-001A | 18.7 | 08-Jul-19 | Lake Pond | 41.96580 | -82.51759 |
| 93 | 1 | 2019-PPNP-080719-002A | 19 | 08-Jul-19 | Lake Pond | 41.96570 | -82.51897 |
| 94 | 1 | 2019-PPNP-080719-003A | 20 | 08-Jul-19 | Lake Pond | 41.96526 | -82.52032 |
| 95 | 1 | 2019-PPNP-170619-007A | 18.6 | 17-Jun-19 | Lake Pond | 41.96509 | -82.52093 |
| 96 | 1 | 2019-PPNP-170619-008A | 19 | 17-Jun-19 | Lake Pond | 41.96414 | -82.52240 |
| 97 | 1 | 2019-PPNP-170619-009A | 19.2 | 17-Jun-19 | Lake Pond | 41.96354 | -82.52404 |
| 98 | 1 | 2019-PPNP-170619-010A | 19.1 | 17-Jun-19 | Lake Pond | 41.96469 | -82.52459 |
| 99 | 1 | 2019-PPNP-080719-004A | 19.3 | 08-Jul-19 | Lake Pond | 41.96642 | -82.52405 |
| 100 | 1 | 2019-PPNP-080719-005A | 19.2 | 08-Jul-19 | Lake Pond | 41.96650 | -82.52251 |
| 101 | 1 | 2019-PPNP-180619-001A | 17.9 | 18-Jun-19 | Lake Pond | 41.96612 | -82.52176 |
| 102 | 1 | 2019-PPNP-080719-006A | 19.5 | 08-Jul-19 | Lake Pond | 41.96717 | -82.52151 |
| 103 | 1 | 2019-PPNP-180619-002A | 17.6 | 18-Jun-19 | Lake Pond | 41.96730 | -82.52164 |
| 104 | 1 | 2019-PPNP-080719-007A | 19.4 | 08-Jul-19 | Lake Pond | 41.96973 | -82.52106 |
| 105 | 1 | 2019-PPNP-180619-003A | 17.1 | 18-Jun-19 | Lake Pond | 41.97021 | -82.52007 |
| 106 | 1 | 2019-PPNP-080719-008A | 19.4 | 08-Jul-19 | Lake Pond | 41.97065 | -82.51896 |
| 107 | 1 | 2019-PPNP-080719-009A | 19.3 | 08-Jul-19 | Lake Pond | 41.97118 | -82.51799 |
| 108 | 1 | 2019-PPNP-090719-008A | 18.9 | 09-Jul-19 | West Cranberry | 41.97574 | -82.52322 |
| 109 | 1 | <i>Not Sampled in Period 1</i> | | | | | |
| 110 | 1 | <i>Not Sampled in Period 1</i> | | | | | |

b) Sample Period Two

| Site number | Sampling period | Field number | Sampling effort (hrs) | Sampling date | Waterbody name | Latitude | Longitude |
|-------------|-----------------|--------------------------------|-----------------------|---------------|----------------|----------|-----------|
| 1 | 2 | 2019-PPNP-310719-001A | 18.9 | 31-Jul-19 | West Cranberry | 41.97487 | -82.51749 |
| 2 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 3 | 2 | 2019-PPNP-190719-001A | 18.5 | 19-Jul-19 | West Cranberry | 41.97552 | -82.51981 |
| 4 | 2 | 2019-PPNP-310719-002A | 18.7 | 31-Jul-19 | West Cranberry | 41.97625 | -82.52015 |
| 5 | 2 | 2019-PPNP-310719-003A | 18.6 | 31-Jul-19 | West Cranberry | 41.97698 | -82.52031 |
| 6 | 2 | 2019-PPNP-310719-004A | 18.6 | 31-Jul-19 | West Cranberry | 41.97528 | -82.52057 |
| 7 | 2 | 2019-PPNP-310719-005A | 18.8 | 31-Jul-19 | West Cranberry | 41.97512 | -82.52126 |
| 8 | 2 | 2019-PPNP-190719-002A | 18.8 | 19-Jul-19 | West Cranberry | 41.97513 | -82.52184 |
| 9 | 2 | 2019-PPNP-310719-006A | 18.8 | 31-Jul-19 | West Cranberry | 41.97519 | -82.52232 |
| 10 | 2 | 2019-PPNP-190719-003A | 18.9 | 19-Jul-19 | West Cranberry | 41.97586 | -82.52329 |
| 11 | 2 | 2019-PPNP-310719-007A | 19.1 | 31-Jul-19 | West Cranberry | 41.97644 | -82.5232 |
| 12 | 2 | 2019-PPNP-190719-004A | 19.4 | 19-Jul-19 | West Cranberry | 41.97664 | -82.52383 |
| 13 | 2 | 2019-PPNP-310719-008A | 19.2 | 31-Jul-19 | West Cranberry | 41.97718 | -82.52424 |
| 14 | 2 | 2019-PPNP-190719-005A | 19.2 | 19-Jul-19 | West Cranberry | 41.97807 | -82.52404 |
| 15 | 2 | 2019-PPNP-200719-001A | 18.2 | 20-Jul-19 | West Cranberry | 41.97919 | -82.52288 |
| 16 | 2 | 2019-PPNP-200719-002A | 18.3 | 20-Jul-19 | West Cranberry | 41.97974 | -82.52371 |
| 17 | 2 | 2019-PPNP-200719-003A | 18.4 | 20-Jul-19 | West Cranberry | 41.98103 | -82.52183 |
| 18 | 2 | 2019-PPNP-200719-004A | 18.5 | 20-Jul-19 | West Cranberry | 41.98209 | -82.51991 |
| 19 | 2 | 2019-PPNP-200719-005A | 18.5 | 20-Jul-19 | West Cranberry | 41.98303 | -82.51851 |
| 20 | 2 | 2019-PPNP-200719-006A | 18.6 | 20-Jul-19 | West Cranberry | 41.98318 | -82.51675 |
| 21 | 2 | 2019-PPNP-200719-007A | 18.5 | 20-Jul-19 | West Cranberry | 41.98220 | -82.51585 |
| 22 | 2 | 2019-PPNP-200719-008A | 18.6 | 20-Jul-19 | West Cranberry | 41.98119 | -82.51385 |
| 23 | 2 | 2019-PPNP-190719-006A | 19.2 | 19-Jul-19 | West Cranberry | 41.98032 | -82.51358 |
| 24 | 2 | 2019-PPNP-190719-007A | 19.2 | 19-Jul-19 | West Cranberry | 41.97927 | -82.51340 |
| 25 | 2 | 2019-PPNP-190719-008A | 21.6 | 19-Jul-19 | West Cranberry | 41.97837 | -82.51276 |
| 26 | 2 | 2019-PPNP-190719-009A | 21.6 | 19-Jul-19 | West Cranberry | 41.97816 | -82.51114 |
| 27 | 2 | 2019-PPNP-190719-010A | 21.7 | 19-Jul-19 | West Cranberry | 41.97707 | -82.51295 |
| 28 | 2 | 2019-PPNP-210719-001A | 19.4 | 21-Jul-19 | West Cranberry | 41.97566 | -82.51389 |
| 29 | 2 | 2019-PPNP-210719-002A | 19.5 | 21-Jul-19 | West Cranberry | 41.97425 | -82.51494 |
| 30 | 2 | 2019-PPNP-210719-003A | 19.7 | 21-Jul-19 | West Cranberry | 41.97369 | -82.51598 |
| 31 | 2 | 2019-PPNP-310719-009A | 19.6 | 31-Jul-19 | West Cranberry | 41.97276 | -82.51599 |
| 32 | 2 | 2019-PPNP-210719-004A | 19.8 | 21-Jul-19 | West Cranberry | 41.97190 | -82.51602 |
| 33 | 2 | 2019-PPNP-210719-005A | 19.9 | 21-Jul-19 | Lake Pond | 41.97119 | -82.51673 |
| 34 | 2 | 2019-PPNP-210719-006A | 19.9 | 21-Jul-19 | Lake Pond | 41.97056 | -82.51562 |
| 35 | 2 | 2019-PPNP-210719-007A | 21 | 21-Jul-19 | Lake Pond | 41.96967 | -82.51465 |
| 36 | 2 | 2019-PPNP-210719-008A | 21.2 | 21-Jul-19 | Lake Pond | 41.97002 | -82.51352 |
| 37 | 2 | 2019-PPNP-210719-009A | 21.8 | 21-Jul-19 | Lake Pond | 41.96870 | -82.51269 |
| 38 | 2 | 2019-PPNP-210719-010A | 21.8 | 21-Jul-19 | Lake Pond | 41.96828 | -82.51140 |
| 39 | 2 | 2019-PPNP-210719-011A | 22 | 21-Jul-19 | East Cranberry | 41.96843 | -82.51006 |
| 40 | 2 | 2019-PPNP-210719-012A | 22.1 | 21-Jul-19 | East Cranberry | 41.96888 | -82.51035 |

| Site number | Sampling period | Field number | Sampling effort (hrs) | Sampling date | Waterbody name | Latitude | Longitude |
|-------------|-----------------|--------------------------------|-----------------------|---------------|----------------|----------|-----------|
| 41 | 2 | 2019-PPNP-310719-010A | 19.6 | 31-Jul-19 | East Cranberry | 41.96953 | -82.51131 |
| 42 | 2 | 2019-PPNP-070819-001A | 23.7 | 07-Aug-19 | East Cranberry | 41.97067 | -82.51160 |
| 43 | 2 | 2019-PPNP-220719-001A | 17.0 | 22-Jul-19 | East Cranberry | 41.97138 | -82.51071 |
| 44 | 2 | 2019-PPNP-220719-002A | 17.0 | 22-Jul-19 | East Cranberry | 41.97180 | -82.50989 |
| 45 | 2 | 2019-PPNP-070819-002A | 23.6 | 07-Aug-19 | East Cranberry | 41.97202 | -82.50948 |
| 46 | 2 | 2019-PPNP-070819-003A | 23.5 | 07-Aug-19 | East Cranberry | 41.97232 | -82.50970 |
| 47 | 2 | 2019-PPNP-070819-004A | 23.6 | 07-Aug-19 | East Cranberry | 41.97241 | -82.51035 |
| 48 | 2 | 2019-PPNP-070819-005A | 24.1 | 07-Aug-19 | East Cranberry | 41.97292 | -82.51062 |
| 49 | 2 | 2019-PPNP-070819-006A | 23.5 | 07-Aug-19 | East Cranberry | 41.97332 | -82.51036 |
| 50 | 2 | 2019-PPNP-220719-003A | 17.1 | 22-Jul-19 | East Cranberry | 41.97367 | -82.51009 |
| 51 | 2 | 2019-PPNP-220719-005A | 17.2 | 22-Jul-19 | East Cranberry | 41.97429 | -82.50951 |
| 52 | 2 | 2019-PPNP-220719-006A | 17.1 | 22-Jul-19 | East Cranberry | 41.97456 | -82.50909 |
| 53 | 2 | 2019-PPNP-220719-007A | 17.2 | 22-Jul-19 | East Cranberry | 41.97492 | -82.50868 |
| 54 | 2 | 2019-PPNP-230719-001A | 20.1 | 23-Jul-19 | East Cranberry | 41.97502 | -82.50794 |
| 55 | 2 | 2019-PPNP-070819-007A | 23.3 | 07-Aug-19 | East Cranberry | 41.97491 | -82.50763 |
| 56 | 2 | 2019-PPNP-230719-002A | 20.2 | 23-Jul-19 | East Cranberry | 41.97478 | -82.50734 |
| 57 | 2 | 2019-PPNP-230719-003A | 20.0 | 23-Jul-19 | East Cranberry | 41.97440 | -82.50682 |
| 58 | 2 | 2019-PPNP-070819-008A | 23.2 | 07-Aug-19 | East Cranberry | 41.97369 | -82.50645 |
| 59 | 2 | 2019-PPNP-070819-009A | 23.2 | 07-Aug-19 | East Cranberry | 41.97315 | -82.50643 |
| 60 | 2 | 2019-PPNP-070819-010A | 23.2 | 07-Aug-19 | East Cranberry | 41.97278 | -82.50681 |
| 61 | 2 | 2019-PPNP-070819-011A | 23.2 | 07-Aug-19 | East Cranberry | 41.97221 | -82.50665 |
| 62 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 63 | 2 | 2019-PPNP-230719-004A | 19.9 | 23-Jul-19 | East Cranberry | 41.97138 | -82.50653 |
| 64 | 2 | 2019-PPNP-070819-012A | 23.1 | 07-Aug-19 | East Cranberry | 41.97022 | -82.50600 |
| 65 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 66 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 67 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 68 | 2 | 2019-PPNP-230719-005A | 19.8 | 23-Jul-19 | Lake Pond | 41.96756 | -82.50786 |
| 69 | 2 | 2019-PPNP-230719-006A | 19.9 | 23-Jul-19 | Lake Pond | 41.96772 | -82.50736 |
| 70 | 2 | 2019-PPNP-230719-007A | 20 | 23-Jul-19 | Lake Pond | 41.96770 | -82.50667 |
| 71 | 2 | 2019-PPNP-230719-008A | 19.2 | 23-Jul-19 | Lake Pond | 41.96800 | -82.50479 |
| 72 | 2 | 2019-PPNP-230719-010A | 19.8 | 23-Jul-19 | Lake Pond | 41.96552 | -82.50429 |
| 73 | 2 | 2019-PPNP-230719-011A | 19.7 | 23-Jul-19 | Lake Pond | 41.96488 | -82.50448 |
| 74 | 2 | 2019-PPNP-230719-012A | 19.7 | 23-Jul-19 | Lake Pond | 41.96442 | -82.50491 |
| 75 | 2 | 2019-PPNP-240719-001A | 18.5 | 24-Jul-19 | Lake Pond | 41.96376 | -82.50517 |
| 76 | 2 | 2019-PPNP-240719-002A | 18.3 | 24-Jul-19 | Lake Pond | 41.96308 | -82.50491 |
| 77 | 2 | 2019-PPNP-240719-003A | 18.3 | 24-Jul-19 | Lake Pond | 41.96271 | -82.50491 |
| 78 | 2 | 2019-PPNP-240719-004A | 18.3 | 24-Jul-19 | Lake Pond | 41.96250 | -82.50468 |
| 79 | 2 | 2019-PPNP-240719-005A | 18.3 | 24-Jul-19 | Lake Pond | 41.96193 | -82.50448 |
| 80 | 2 | 2019-PPNP-240719-006A | 18.3 | 24-Jul-19 | Lake Pond | 41.96170 | -82.50488 |
| 81 | 2 | 2019-PPNP-240719-007A | 18.3 | 24-Jul-19 | Lake Pond | 41.96113 | -82.50512 |

| Site number | Sampling period | Field number | Sampling effort (hrs) | Sampling date | Waterbody name | Latitude | Longitude |
|-------------|-----------------|--------------------------------|-----------------------|---------------|----------------|----------|-----------|
| 82 | 2 | 2019-PPNP-240719-008A | 18.3 | 24-Jul-19 | Lake Pond | 41.96053 | -82.50543 |
| 83 | 2 | 2019-PPNP-290719-001A | 18.8 | 29-Jul-19 | Lake Pond | 41.96032 | -82.50517 |
| 84 | 2 | 2019-PPNP-290719-002A | 18.9 | 29-Jul-19 | Lake Pond | 41.95931 | -82.50500 |
| 85 | 2 | 2019-PPNP-290719-003A | 19.0 | 29-Jul-19 | Lake Pond | 41.95882 | -82.50568 |
| 86 | 2 | 2019-PPNP-290719-004A | 19.1 | 29-Jul-19 | Lake Pond | 41.96171 | -82.51097 |
| 87 | 2 | 2019-PPNP-290719-005A | 19.2 | 29-Jul-19 | Lake Pond | 41.96261 | -82.51204 |
| 88 | 2 | 2019-PPNP-290719-006A | 19.2 | 29-Jul-19 | Lake Pond | 41.96349 | -82.51335 |
| 89 | 2 | 2019-PPNP-290719-007A | 19.3 | 29-Jul-19 | Lake Pond | 41.96433 | -82.51421 |
| 90 | 2 | 2019-PPNP-290719-008A | 19.9 | 29-Jul-19 | Lake Pond | 41.96491 | -82.51511 |
| 91 | 2 | 2019-PPNP-290719-009A | 19.8 | 29-Jul-19 | Lake Pond | 41.96557 | -82.51643 |
| 92 | 2 | 2019-PPNP-290719-010A | 20.0 | 29-Jul-19 | Lake Pond | 41.96584 | -82.51765 |
| 93 | 2 | 2019-PPNP-300719-001A | 18.8 | 30-Jul-19 | Lake Pond | 41.96571 | -82.51889 |
| 94 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 95 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 96 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 97 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 98 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 99 | 2 | 2019-PPNP-300719-002A | 19.1 | 30-Jul-19 | Lake Pond | 41.96642 | -82.52391 |
| 100 | 2 | 2019-PPNP-300719-003A | 19.2 | 30-Jul-19 | Lake Pond | 41.96652 | -82.52248 |
| 101 | 2 | 2019-PPNP-300719-004A | 19.1 | 30-Jul-19 | Lake Pond | 41.96611 | -82.52171 |
| 102 | 2 | 2019-PPNP-300719-005A | 19.4 | 30-Jul-19 | Lake Pond | 41.96719 | -82.52148 |
| 103 | 2 | 2019-PPNP-300719-006A | 19.5 | 30-Jul-19 | Lake Pond | 41.96731 | -82.52164 |
| 104 | 2 | 2019-PPNP-300719-007A | 19.4 | 30-Jul-19 | Lake Pond | 41.96974 | -82.52104 |
| 105 | 2 | 2019-PPNP-300719-008A | 19.7 | 30-Jul-19 | Lake Pond | 41.97020 | -82.52003 |
| 106 | 2 | 2019-PPNP-300719-009A | 20.0 | 30-Jul-19 | Lake Pond | 41.97065 | -82.51893 |
| 107 | 2 | 2019-PPNP-300719-010A | 19.7 | 30-Jul-19 | Lake Pond | 41.97113 | -82.51797 |
| 108 | 2 | <i>Not Sampled in Period 2</i> | | | | | |
| 109 | 2 | 2019-PPNP-220719-004A | 17.2 | 22-Jul-19 | East Cranberry | 41.97411 | -82.50983 |
| 110 | 2 | 2019-PPNP-230719-009A | 19.3 | 23-Jul-19 | Lake Pond | 41.96778 | -82.50393 |

Table 2. Site pairs for sample periods one and two of the 2019 fish community inventory of Point Pelee National Park.

| Site number | Sampling period 1 | Sampling period 2 | Waterbody name |
|-------------|-----------------------|-----------------------|----------------|
| | Field number | Field number | |
| 1 | 2019-PPNP-090719-001A | 2019-PPNP-310719-001A | West Cranberry |
| 2 | 2019-PPNP-090719-002A | <i>No Paired Site</i> | West Cranberry |
| 3 | 2019-PPNP-180619-004A | 2019-PPNP-190719-001A | West Cranberry |
| 4 | 2019-PPNP-090719-003A | 2019-PPNP-310719-002A | West Cranberry |
| 5 | 2019-PPNP-090719-004A | 2019-PPNP-310719-003A | West Cranberry |
| 6 | 2019-PPNP-090719-005A | 2019-PPNP-310719-004A | West Cranberry |
| 7 | 2019-PPNP-090719-006A | 2019-PPNP-310719-005A | West Cranberry |
| 8 | 2019-PPNP-180619-005A | 2019-PPNP-190719-002A | West Cranberry |
| 9 | 2019-PPNP-090719-007A | 2019-PPNP-310719-006A | West Cranberry |
| 10 | 2019-PPNP-180619-006A | 2019-PPNP-190719-003A | West Cranberry |
| 11 | 2019-PPNP-090719-009A | 2019-PPNP-310719-007A | West Cranberry |
| 12 | 2019-PPNP-180619-007A | 2019-PPNP-190719-004A | West Cranberry |
| 13 | 2019-PPNP-090719-010A | 2019-PPNP-310719-008A | West Cranberry |
| 14 | 2019-PPNP-180619-008A | 2019-PPNP-190719-005A | West Cranberry |
| 15 | 2019-PPNP-190619-001A | 2019-PPNP-200719-001A | West Cranberry |
| 16 | 2019-PPNP-190619-002A | 2019-PPNP-200719-002A | West Cranberry |
| 17 | 2019-PPNP-190619-003A | 2019-PPNP-200719-003A | West Cranberry |
| 18 | 2019-PPNP-190619-004A | 2019-PPNP-200719-004A | West Cranberry |
| 19 | 2019-PPNP-190619-005A | 2019-PPNP-200719-005A | West Cranberry |
| 20 | 2019-PPNP-190619-006A | 2019-PPNP-200719-006A | West Cranberry |
| 21 | 2019-PPNP-190619-007A | 2019-PPNP-200719-007A | West Cranberry |
| 22 | 2019-PPNP-190619-008A | 2019-PPNP-200719-008A | West Cranberry |
| 23 | 2019-PPNP-240619-001A | 2019-PPNP-190719-006A | West Cranberry |
| 24 | 2019-PPNP-240619-002A | 2019-PPNP-190719-007A | West Cranberry |
| 25 | 2019-PPNP-240619-003A | 2019-PPNP-190719-008A | West Cranberry |
| 26 | 2019-PPNP-240619-004A | 2019-PPNP-190719-009A | West Cranberry |
| 27 | 2019-PPNP-240619-005A | 2019-PPNP-190719-010A | West Cranberry |
| 28 | 2019-PPNP-240619-006A | 2019-PPNP-210719-001A | West Cranberry |
| 29 | 2019-PPNP-240619-007A | 2019-PPNP-210719-002A | West Cranberry |
| 30 | 2019-PPNP-240619-008A | 2019-PPNP-210719-003A | West Cranberry |
| 31 | 2019-PPNP-080719-010A | 2019-PPNP-310719-009A | West Cranberry |
| 32 | 2019-PPNP-240619-009A | 2019-PPNP-210719-004A | West Cranberry |
| 33 | 2019-PPNP-240619-010A | 2019-PPNP-210719-005A | Lake Pond |
| 34 | 2019-PPNP-250619-001A | 2019-PPNP-210719-006A | Lake Pond |
| 35 | 2019-PPNP-250619-002A | 2019-PPNP-210719-007A | Lake Pond |
| 36 | 2019-PPNP-250619-003A | 2019-PPNP-210719-008A | Lake Pond |
| 37 | 2019-PPNP-250619-004A | 2019-PPNP-210719-009A | Lake Pond |
| 38 | 2019-PPNP-250619-005A | 2019-PPNP-210719-010A | Lake Pond |
| 39 | 2019-PPNP-250619-006A | 2019-PPNP-210719-011A | East Cranberry |

| Site number | Sampling period 1 | Sampling period 2 | Waterbody name |
|-------------|-----------------------|-----------------------|----------------|
| | Field number | Field number | |
| 40 | 2019-PPNP-250619-007A | 2019-PPNP-210719-012A | East Cranberry |
| 41 | 2019-PPNP-250619-008A | 2019-PPNP-310719-010A | East Cranberry |
| 42 | 2019-PPNP-250619-009A | 2019-PPNP-070819-001A | East Cranberry |
| 43 | 2019-PPNP-250619-010A | 2019-PPNP-220719-001A | East Cranberry |
| 44 | 2019-PPNP-100719-001A | 2019-PPNP-220719-002A | East Cranberry |
| 45 | 2019-PPNP-260619-001A | 2019-PPNP-070819-002A | East Cranberry |
| 46 | 2019-PPNP-100719-002A | 2019-PPNP-070819-003A | East Cranberry |
| 47 | 2019-PPNP-260619-002A | 2019-PPNP-070819-004A | East Cranberry |
| 48 | 2019-PPNP-100719-003A | 2019-PPNP-070819-005A | East Cranberry |
| 49 | 2019-PPNP-260619-003A | 2019-PPNP-070819-006A | East Cranberry |
| 50 | 2019-PPNP-100719-004A | 2019-PPNP-220719-003A | East Cranberry |
| 51 | 2019-PPNP-260619-004A | 2019-PPNP-220719-005A | East Cranberry |
| 52 | 2019-PPNP-100719-005A | 2019-PPNP-220719-006A | East Cranberry |
| 53 | 2019-PPNP-260619-005A | 2019-PPNP-220719-007A | East Cranberry |
| 54 | 2019-PPNP-100719-006A | 2019-PPNP-230719-001A | East Cranberry |
| 55 | 2019-PPNP-260619-006A | 2019-PPNP-070819-007A | East Cranberry |
| 56 | 2019-PPNP-100719-007A | 2019-PPNP-230719-002A | East Cranberry |
| 57 | 2019-PPNP-260619-007A | 2019-PPNP-230719-003A | East Cranberry |
| 58 | 2019-PPNP-100719-008A | 2019-PPNP-070819-008A | East Cranberry |
| 59 | 2019-PPNP-260619-008A | 2019-PPNP-070819-009A | East Cranberry |
| 60 | 2019-PPNP-100719-009A | 2019-PPNP-070819-010A | East Cranberry |
| 61 | 2019-PPNP-260619-009A | 2019-PPNP-070819-011A | East Cranberry |
| 62 | 2019-PPNP-100719-010A | <i>No Paired Site</i> | East Cranberry |
| 63 | 2019-PPNP-260619-010A | 2019-PPNP-230719-004A | East Cranberry |
| 64 | 2019-PPNP-020719-001A | 2019-PPNP-070819-012A | East Cranberry |
| 65 | 2019-PPNP-020719-002A | <i>No Paired Site</i> | East Cranberry |
| 66 | 2019-PPNP-020719-003A | <i>No Paired Site</i> | East Cranberry |
| 67 | 2019-PPNP-020719-004A | <i>No Paired Site</i> | East Cranberry |
| 68 | 2019-PPNP-020719-005A | 2019-PPNP-230719-005A | Lake Pond |
| 69 | 2019-PPNP-020719-006A | 2019-PPNP-230719-006A | Lake Pond |
| 70 | <i>No Paired Site</i> | 2019-PPNP-230719-007A | Lake Pond |
| 71 | 2019-PPNP-020719-007A | 2019-PPNP-230719-008A | Lake Pond |
| 72 | 2019-PPNP-020719-008A | 2019-PPNP-230719-010A | Lake Pond |
| 73 | 2019-PPNP-170619-001A | 2019-PPNP-230719-011A | Lake Pond |
| 74 | 2019-PPNP-020719-009A | 2019-PPNP-230719-012A | Lake Pond |
| 75 | 2019-PPNP-020719-010A | 2019-PPNP-240719-001A | Lake Pond |
| 76 | 2019-PPNP-030719-001A | 2019-PPNP-240719-002A | Lake Pond |
| 77 | <i>No Paired Site</i> | 2019-PPNP-240719-003A | Lake Pond |
| 78 | 2019-PPNP-170619-002A | 2019-PPNP-240719-004A | Lake Pond |
| 79 | 2019-PPNP-030719-002A | 2019-PPNP-240719-005A | Lake Pond |
| 80 | 2019-PPNP-170619-003A | 2019-PPNP-240719-006A | Lake Pond |

| Site number | Sampling period 1 | Sampling period 2 | Waterbody name |
|-------------|-----------------------|-----------------------|----------------|
| | Field number | Field number | |
| 81 | 2019-PPNP-030719-003A | 2019-PPNP-240719-007A | Lake Pond |
| 82 | 2019-PPNP-170619-004A | 2019-PPNP-240719-008A | Lake Pond |
| 83 | 2019-PPNP-030719-004A | 2019-PPNP-290719-001A | Lake Pond |
| 84 | 2019-PPNP-030719-005A | 2019-PPNP-290719-002A | Lake Pond |
| 85 | 2019-PPNP-170619-005A | 2019-PPNP-290719-003A | Lake Pond |
| 86 | 2019-PPNP-030719-006A | 2019-PPNP-290719-004A | Lake Pond |
| 87 | 2019-PPNP-030719-007A | 2019-PPNP-290719-005A | Lake Pond |
| 88 | 2019-PPNP-170619-006A | 2019-PPNP-290719-006A | Lake Pond |
| 89 | 2019-PPNP-030719-008A | 2019-PPNP-290719-007A | Lake Pond |
| 90 | 2019-PPNP-030719-009A | 2019-PPNP-290719-008A | Lake Pond |
| 91 | 2019-PPNP-030719-010A | 2019-PPNP-290719-009A | Lake Pond |
| 92 | 2019-PPNP-080719-001A | 2019-PPNP-290719-010A | Lake Pond |
| 93 | 2019-PPNP-080719-002A | 2019-PPNP-300719-001A | Lake Pond |
| 94 | 2019-PPNP-080719-003A | <i>No Paired Site</i> | Lake Pond |
| 95 | 2019-PPNP-170619-007A | <i>No Paired Site</i> | Lake Pond |
| 96 | 2019-PPNP-170619-008A | <i>No Paired Site</i> | Lake Pond |
| 97 | 2019-PPNP-170619-009A | <i>No Paired Site</i> | Lake Pond |
| 98 | 2019-PPNP-170619-010A | <i>No Paired Site</i> | Lake Pond |
| 99 | 2019-PPNP-080719-004A | 2019-PPNP-300719-002A | Lake Pond |
| 100 | 2019-PPNP-080719-005A | 2019-PPNP-300719-003A | Lake Pond |
| 101 | 2019-PPNP-180619-001A | 2019-PPNP-300719-004A | Lake Pond |
| 102 | 2019-PPNP-080719-006A | 2019-PPNP-300719-005A | Lake Pond |
| 103 | 2019-PPNP-180619-002A | 2019-PPNP-300719-006A | Lake Pond |
| 104 | 2019-PPNP-080719-007A | 2019-PPNP-300719-007A | Lake Pond |
| 105 | 2019-PPNP-180619-003A | 2019-PPNP-300719-008A | Lake Pond |
| 106 | 2019-PPNP-080719-008A | 2019-PPNP-300719-009A | Lake Pond |
| 107 | 2019-PPNP-080719-009A | 2019-PPNP-300719-010A | Lake Pond |
| 108 | 2019-PPNP-090719-008A | <i>No Paired Site</i> | West Cranberry |
| 109 | <i>No Paired Site</i> | 2019-PPNP-220719-004A | East Cranberry |
| 110 | <i>No Paired Site</i> | 2019-PPNP-230719-009A | Lake Pond |

Table 3. Fish assemblage results from a) sample period one, and b) sample period two of the Point Pelee National Park fish community inventory in 2019. Values are catch (raw abundance) from one fyke net set at each site. An asterisk (*) indicates that the site was not sampled during the sampling period.

a) Sample Period One (Part I. *Ambloplites rupestris* – *Lepomis macrochirus*)

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus</i> sp. | <i>Amia calva</i> | <i>Carassius auratus</i> | Centrarchidae | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae</i> sp. | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|-----------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|---------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 1 | 2019-PPNP-090719-001A | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2 | 2019-PPNP-090719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 2019-PPNP-180619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 2019-PPNP-090719-003A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 5 | 2019-PPNP-090719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 2019-PPNP-090719-005A | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 7 | 2019-PPNP-090719-006A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 8 | 2019-PPNP-180619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 |
| 9 | 2019-PPNP-090719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 10 | 2019-PPNP-180619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 11 | 2019-PPNP-090719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 12 | 2019-PPNP-180619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 5 |
| 13 | 2019-PPNP-090719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 2019-PPNP-180619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 2019-PPNP-190619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 16 | 2019-PPNP-190619-002A | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| 17 | 2019-PPNP-190619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| 18 | 2019-PPNP-190619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| 19 | 2019-PPNP-190619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 20 | 2019-PPNP-190619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus</i> sp. | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae</i> sp. | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|-----------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 21 | 2019-PPNP-190619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 24 |
| 22 | 2019-PPNP-190619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 7 |
| 23 | 2019-PPNP-240619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 2019-PPNP-240619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 5 |
| 25 | 2019-PPNP-240619-003A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 2019-PPNP-240619-004A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 27 | 2019-PPNP-240619-005A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 28 | 2019-PPNP-240619-006A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 29 | 2019-PPNP-240619-007A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 2019-PPNP-240619-008A | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| 31 | 2019-PPNP-080719-010A | 0 | 0 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 32 | 2019-PPNP-240619-009A | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 33 | 2019-PPNP-240619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 |
| 34 | 2019-PPNP-250619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 2019-PPNP-250619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 2019-PPNP-250619-003A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 3 |
| 37 | 2019-PPNP-250619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 2019-PPNP-250619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 39 | 2019-PPNP-250619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 40 | 2019-PPNP-250619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 6 |
| 41 | 2019-PPNP-250619-008A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 42 | 2019-PPNP-250619-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 43 | 2019-PPNP-250619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 2019-PPNP-100719-001A | 0 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 45 | 2019-PPNP-260619-001A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus sp.</i> | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae sp.</i> | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|--------------------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 46 | 2019-PPNP-100719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | 2019-PPNP-260619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 |
| 48 | 2019-PPNP-100719-003A | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 49 | 2019-PPNP-260619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 50 | 2019-PPNP-100719-004A | 0 | 0 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 51 | 2019-PPNP-260619-004A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 52 | 2019-PPNP-100719-005A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 2019-PPNP-260619-005A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 4 |
| 54 | 2019-PPNP-100719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 55 | 2019-PPNP-260619-006A | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 56 | 2019-PPNP-100719-007A | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| 57 | 2019-PPNP-260619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 1 |
| 58 | 2019-PPNP-100719-008A | 0 | 0 | 6 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 59 | 2019-PPNP-260619-008A | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 60 | 2019-PPNP-100719-009A | 0 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 2019-PPNP-260619-009A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 |
| 62 | 2019-PPNP-100719-010A | 0 | 0 | 4 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 63 | 2019-PPNP-260619-010A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 64 | 2019-PPNP-020719-001A | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 65 | 2019-PPNP-020719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 66 | 2019-PPNP-020719-003A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 2019-PPNP-020719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 2019-PPNP-020719-005A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 2019-PPNP-020719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | 0 | * | * | * | * | * | 0 | * | * | * | * | 0 | * | * | * | * |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus</i> sp. | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae</i> sp. | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> | |
|-------------|-------------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|---|
| 71 | 2019-PPNP-020719-007A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 72 | 2019-PPNP-020719-008A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | |
| 73 | 2019-PPNP-170619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 5 | |
| 74 | 2019-PPNP-020719-009A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 2 | |
| 75 | 2019-PPNP-020719-010A | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 76 | 2019-PPNP-030719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | |
| 77 | Not Sampled in Period 1 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 78 | 2019-PPNP-170619-002A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| 79 | 2019-PPNP-030719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 2 | |
| 80 | 2019-PPNP-170619-003A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | |
| 81 | 2019-PPNP-030719-003A | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | |
| 82 | 2019-PPNP-170619-004A | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 9 | 0 | 1 | 1 | |
| 83 | 2019-PPNP-030719-004A | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 0 | 0 | |
| 84 | 2019-PPNP-030719-005A | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | |
| 85 | 2019-PPNP-170619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| 86 | 2019-PPNP-030719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | |
| 87 | 2019-PPNP-030719-007A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 88 | 2019-PPNP-170619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| 89 | 2019-PPNP-030719-008A | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 90 | 2019-PPNP-030719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 91 | 2019-PPNP-030719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 92 | 2019-PPNP-080719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | |
| 93 | 2019-PPNP-080719-002A | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 0 | 1 | |
| 94 | 2019-PPNP-080719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | |
| 95 | 2019-PPNP-170619-007A | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 3 | |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus sp.</i> | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae sp.</i> | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|--------------------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 96 | 2019-PPNP-170619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 3 |
| 97 | 2019-PPNP-170619-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 98 | 2019-PPNP-170619-010A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 99 | 2019-PPNP-080719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 2019-PPNP-080719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 2019-PPNP-080719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | 2019-PPNP-180619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | 2019-PPNP-080719-006A | 0 | 0 | 1 | 35 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 |
| 103 | 2019-PPNP-180619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 2019-PPNP-080719-007A | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 2019-PPNP-180619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 |
| 106 | 2019-PPNP-080719-008A | 0 | 1 | 1 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 107 | 2019-PPNP-080719-009A | 0 | 0 | 1 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 108 | 2019-PPNP-090719-008A | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 109 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | * | * | * | * |
| 110 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | * | * | * | * |
| | Total | 2 | 22 | 46 | 95 | 5 | 41 | 0 | 7 | 6 | 1 | 1 | 3 | 0 | 10 | 1 | 6 | 1 | 0 | 121 | 57 | 2 | 153 |

b) Sample Period One (Part II. *Lepomis* sp. – Total)

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|-----------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 1 | 2019-PPNP-090719-001A | 79 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 8 | 1 | 0 | 1 | 113 |
| 2 | 2019-PPNP-090719-002A | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 17 |
| 3 | 2019-PPNP-180619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 |
| 4 | 2019-PPNP-090719-003A | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 8 |
| 5 | 2019-PPNP-090719-004A | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 6 | 2019-PPNP-090719-005A | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 40 |
| 7 | 2019-PPNP-090719-006A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 2 | 3 | 0 | 0 | 2 | 27 |
| 8 | 2019-PPNP-180619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| 9 | 2019-PPNP-090719-007A | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 271 |
| 10 | 2019-PPNP-180619-006A | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 7 |
| 11 | 2019-PPNP-090719-009A | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| 12 | 2019-PPNP-180619-007A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 16 |
| 13 | 2019-PPNP-090719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 14 | 2019-PPNP-180619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| 15 | 2019-PPNP-190619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 16 | 2019-PPNP-190619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 9 |
| 17 | 2019-PPNP-190619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 6 |
| 18 | 2019-PPNP-190619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 7 |
| 19 | 2019-PPNP-190619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 47 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 60 |
| 20 | 2019-PPNP-190619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| 21 | 2019-PPNP-190619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 22 | 2019-PPNP-190619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 23 | 2019-PPNP-240619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|-----------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 24 | 2019-PPNP-240619-002A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 12 |
| 25 | 2019-PPNP-240619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 |
| 26 | 2019-PPNP-240619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 10 |
| 27 | 2019-PPNP-240619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4 |
| 28 | 2019-PPNP-240619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 29 | 2019-PPNP-240619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 30 | 2019-PPNP-240619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 31 | 2019-PPNP-080719-010A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 46 |
| 32 | 2019-PPNP-240619-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 33 | 2019-PPNP-240619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 9 |
| 34 | 2019-PPNP-250619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| 35 | 2019-PPNP-250619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 36 | 2019-PPNP-250619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| 37 | 2019-PPNP-250619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 38 | 2019-PPNP-250619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 39 | 2019-PPNP-250619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 40 | 2019-PPNP-250619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 13 |
| 41 | 2019-PPNP-250619-008A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 |
| 42 | 2019-PPNP-250619-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 5 |
| 43 | 2019-PPNP-250619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 44 | 2019-PPNP-100719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 41 |
| 45 | 2019-PPNP-260619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 4 |
| 46 | 2019-PPNP-100719-002A | 1 | 22 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 7 | 0 | 0 | 0 | 11 | 0 | 0 | 2 | 45 |
| 47 | 2019-PPNP-260619-002A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 8 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|--------------------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 48 | 2019-PPNP-100719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 18 |
| 49 | 2019-PPNP-260619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | 2019-PPNP-100719-004A | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 32 |
| 51 | 2019-PPNP-260619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 52 | 2019-PPNP-100719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 73 |
| 53 | 2019-PPNP-260619-005A | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 54 | 2019-PPNP-100719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 8 |
| 55 | 2019-PPNP-260619-006A | 0 | 2475 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2478 |
| 56 | 2019-PPNP-100719-007A | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 9 |
| 57 | 2019-PPNP-260619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 9 |
| 58 | 2019-PPNP-100719-008A | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 20 |
| 59 | 2019-PPNP-260619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 60 | 2019-PPNP-100719-009A | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 |
| 61 | 2019-PPNP-260619-009A | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 62 | 2019-PPNP-100719-010A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 63 | 2019-PPNP-260619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 8 |
| 64 | 2019-PPNP-020719-001A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 11 |
| 65 | 2019-PPNP-020719-002A | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 7 |
| 66 | 2019-PPNP-020719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 67 | 2019-PPNP-020719-004A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 68 | 2019-PPNP-020719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 69 | 2019-PPNP-020719-006A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| 70 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 71 | 2019-PPNP-020719-007A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 9 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|--------------------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 72 | 2019-PPNP-020719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| 73 | 2019-PPNP-170619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 16 |
| 74 | 2019-PPNP-020719-009A | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 42 |
| 75 | 2019-PPNP-020719-010A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 11 |
| 76 | 2019-PPNP-030719-001A | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 35 |
| 77 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 | * | * |
| 78 | 2019-PPNP-170619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| 79 | 2019-PPNP-030719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 13 |
| 80 | 2019-PPNP-170619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 81 | 2019-PPNP-030719-003A | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 16 |
| 82 | 2019-PPNP-170619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 23 |
| 83 | 2019-PPNP-030719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 84 | 2019-PPNP-030719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 13 |
| 85 | 2019-PPNP-170619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 86 | 2019-PPNP-030719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 87 | 2019-PPNP-030719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| 88 | 2019-PPNP-170619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 89 | 2019-PPNP-030719-008A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 90 | 2019-PPNP-030719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| 91 | 2019-PPNP-030719-010A | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 92 | 2019-PPNP-080719-001A | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 9 |
| 93 | 2019-PPNP-080719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 |
| 94 | 2019-PPNP-080719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 95 | 2019-PPNP-170619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 16 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|--------------------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------------|
| 96 | 2019-PPNP-170619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 16 |
| 97 | 2019-PPNP-170619-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 |
| 98 | 2019-PPNP-170619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 99 | 2019-PPNP-080719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 2019-PPNP-080719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| 100 | 2019-PPNP-080719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| 101 | 2019-PPNP-180619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 102 | 2019-PPNP-080719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 44 |
| 103 | 2019-PPNP-180619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 2019-PPNP-080719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 105 | 2019-PPNP-180619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 106 | 2019-PPNP-080719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 17 |
| 107 | 2019-PPNP-080719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 108 | 2019-PPNP-090719-008A | 40 | 24 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 44 | 0 | 0 | 0 | 9 | 0 | 0 | 2 | 147 |
| 109 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 110 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Total | 143 | 2641 | 6 | 0 | 0 | 0 | 80 | 44 | 17 | 460 | 2 | 1 | 2 | 169 | 5 | 0 | 80 | 4230 |

Table 3. (continued) Fish assemblage results from a) sample period one, and b) sample period two of the Point Pelee National Park fish community inventory in 2019. Values are catch (raw abundance) from one fyke net set at each site. An asterisk (*) indicates that the site was not sampled during the sampling period.

Sample Period Two (Part I. *Ambloplites rupestris* – *Lepomis macrochirus*)

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus sp.</i> | <i>Amia calva</i> | <i>Carassius auratus</i> | Centrarchidae | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae sp.</i> | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|-------------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|---------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 1 | 2019-PPNP-310719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 2 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | 2019-PPNP-190719-001A | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 24 |
| 4 | 2019-PPNP-310719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 5 | 2019-PPNP-310719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 6 | 2019-PPNP-310719-004A | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 20 |
| 7 | 2019-PPNP-310719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 8 | 2019-PPNP-190719-002A | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 52 |
| 9 | 2019-PPNP-310719-006A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| 10 | 2019-PPNP-190719-003A | 0 | 2 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 3 |
| 11 | 2019-PPNP-310719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 |
| 12 | 2019-PPNP-190719-004A | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 13 | 2019-PPNP-310719-008A | 0 | 0 | 1 | 10 | 0 | 2 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 14 | 2019-PPNP-190719-005A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 19 |
| 15 | 2019-PPNP-200719-001A | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| 16 | 2019-PPNP-200719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 |
| 17 | 2019-PPNP-200719-003A | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 |
| 18 | 2019-PPNP-200719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 19 | 2019-PPNP-200719-005A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| 20 | 2019-PPNP-200719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus sp.</i> | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae sp.</i> | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|-----------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 21 | 2019-PPNP-200719-007A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| 22 | 2019-PPNP-200719-008A | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 23 | 2019-PPNP-190719-006A | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 24 | 2019-PPNP-190719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 24 |
| 25 | 2019-PPNP-190719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 26 | 2019-PPNP-190719-009A | 0 | 10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 |
| 27 | 2019-PPNP-190719-010A | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 28 | 2019-PPNP-210719-001A | 0 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 11 |
| 29 | 2019-PPNP-210719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 30 | 2019-PPNP-210719-003A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 31 | 2019-PPNP-310719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 2019-PPNP-210719-004A | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 11 |
| 33 | 2019-PPNP-210719-005A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 34 | 2019-PPNP-210719-006A | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 1 |
| 35 | 2019-PPNP-210719-007A | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 |
| 36 | 2019-PPNP-210719-008A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 2 | 0 | 1 |
| 37 | 2019-PPNP-210719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| 38 | 2019-PPNP-210719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| 39 | 2019-PPNP-210719-011A | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| 40 | 2019-PPNP-210719-012A | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 41 | 2019-PPNP-310719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 42 | 2019-PPNP-070819-001A | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 43 | 2019-PPNP-220719-001A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 44 | 2019-PPNP-220719-002A | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 2019-PPNP-070819-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus sp.</i> | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae sp.</i> | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|--------------------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 46 | 2019-PPNP-070819-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | 2019-PPNP-070819-004A | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 48 | 2019-PPNP-070819-005A | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 49 | 2019-PPNP-070819-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 2019-PPNP-220719-003A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 2019-PPNP-220719-005A | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 2019-PPNP-220719-006A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 53 | 2019-PPNP-220719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 54 | 2019-PPNP-230719-001A | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 2019-PPNP-070819-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 2019-PPNP-230719-002A | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| 57 | 2019-PPNP-230719-003A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| 58 | 2019-PPNP-070819-008A | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 1 |
| 59 | 2019-PPNP-070819-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| 60 | 2019-PPNP-070819-010A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 |
| 61 | 2019-PPNP-070819-011A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 3 |
| 62 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 63 | 2019-PPNP-230719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 4 |
| 64 | 2019-PPNP-070819-012A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 |
| 65 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 66 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 67 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 68 | 2019-PPNP-230719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 2019-PPNP-230719-006A | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 70 | 2019-PPNP-230719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus sp.</i> | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae sp.</i> | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> | |
|-------------|--------------------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|---|
| 71 | 2019-PPNP-230719-008A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| 72 | 2019-PPNP-230719-010A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 5 |
| 73 | 2019-PPNP-230719-011A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | |
| 74 | 2019-PPNP-230719-012A | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 75 | 2019-PPNP-240719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | |
| 76 | 2019-PPNP-240719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | |
| 77 | 2019-PPNP-240719-003A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | |
| 78 | 2019-PPNP-240719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | |
| 79 | 2019-PPNP-240719-005A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| 80 | 2019-PPNP-240719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | |
| 81 | 2019-PPNP-240719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | |
| 82 | 2019-PPNP-240719-008A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 2 | 0 | 1 | |
| 83 | 2019-PPNP-290719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | |
| 84 | 2019-PPNP-290719-002A | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| 85 | 2019-PPNP-290719-003A | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| 86 | 2019-PPNP-290719-004A | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | |
| 87 | 2019-PPNP-290719-005A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 26 | |
| 88 | 2019-PPNP-290719-006A | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | |
| 89 | 2019-PPNP-290719-007A | 0 | 1 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 45 | |
| 90 | 2019-PPNP-290719-008A | 0 | 0 | 1 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 34 | |
| 91 | 2019-PPNP-290719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| 92 | 2019-PPNP-290719-010A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 11 | |
| 93 | 2019-PPNP-300719-001A | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | |
| 94 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| 95 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |

| Site number | Field number | <i>Ambloplites rupestris</i> | <i>Ameiurus melas</i> | <i>Ameiurus natalis</i> | <i>Ameiurus nebulosus</i> | <i>Ameiurus sp.</i> | <i>Amia calva</i> | <i>Carassius auratus</i> | <i>Centrarchidae</i> | <i>Cyprinus carpio</i> | <i>Dorosoma cepedianum</i> | <i>Erimyzon sucetta</i> | <i>Esox americanus vermiculatus</i> | <i>Esox lucius</i> | <i>Ictaluridae sp.</i> | <i>Ictiobus cyprinellus</i> | <i>Lepisosteus oculatus</i> | <i>Lepisosteus osseus</i> | <i>Lepomis cyanellus</i> | <i>Lepomis gibbosus</i> | <i>Lepomis gulosus</i> | <i>Lepomis hybrid</i> | <i>Lepomis macrochirus</i> |
|-------------|-------------------------|------------------------------|-----------------------|-------------------------|---------------------------|---------------------|-------------------|--------------------------|----------------------|------------------------|----------------------------|-------------------------|-------------------------------------|--------------------|------------------------|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------|------------------------|-----------------------|----------------------------|
| 96 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 97 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 98 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 99 | 2019-PPNP-300719-002A | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 100 | 2019-PPNP-300719-003A | 0 | 0 | 1 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 101 | 2019-PPNP-300719-004A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 102 | 2019-PPNP-300719-005A | 0 | 0 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 |
| 103 | 2019-PPNP-300719-006A | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 2 |
| 104 | 2019-PPNP-300719-007A | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 1 |
| 105 | 2019-PPNP-300719-008A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 13 |
| 106 | 2019-PPNP-300719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 9 |
| 107 | 2019-PPNP-300719-010A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 108 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 109 | 2019-PPNP-220719-004A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 2019-PPNP-230719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 6 |
| | Total | 1 | 42 | 49 | 42 | 72 | 43 | 3 | 3 | 9 | 41 | 0 | 3 | 1 | 5 | 0 | 2 | 1 | 6 | 1534 | 75 | 2 | 652 |

Sample Period Two (Part II. *Lepomis* sp. – Total)

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|-------------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 1 | 2019-PPNP-310719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 |
| 2 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | 2019-PPNP-190719-001A | 250 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 289 |
| 4 | 2019-PPNP-310719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 |
| 5 | 2019-PPNP-310719-003A | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 |
| 6 | 2019-PPNP-310719-004A | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 0 | 1 | 2 | 63 |
| 7 | 2019-PPNP-310719-005A | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 1 | 0 | 9 | 0 | 0 | 34 |
| 8 | 2019-PPNP-190719-002A | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 163 |
| 9 | 2019-PPNP-310719-006A | 36 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 142 |
| 10 | 2019-PPNP-190719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 28 |
| 11 | 2019-PPNP-310719-007A | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 36 |
| 12 | 2019-PPNP-190719-004A | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 22 |
| 13 | 2019-PPNP-310719-008A | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 87 |
| 14 | 2019-PPNP-190719-005A | 46 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 74 |
| 15 | 2019-PPNP-200719-001A | 15 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 42 |
| 16 | 2019-PPNP-200719-002A | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 1 | 21 |
| 17 | 2019-PPNP-200719-003A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 19 |
| 18 | 2019-PPNP-200719-004A | 16 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 28 |
| 19 | 2019-PPNP-200719-005A | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 96 |
| 20 | 2019-PPNP-200719-006A | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 27 |
| 21 | 2019-PPNP-200719-007A | 45 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 68 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|-----------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 22 | 2019-PPNP-200719-008A | 250 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 273 |
| 23 | 2019-PPNP-190719-006A | 250 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 289 |
| 24 | 2019-PPNP-190719-007A | 250 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 291 |
| 25 | 2019-PPNP-190719-008A | 250 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 254 |
| 26 | 2019-PPNP-190719-009A | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 27 |
| 27 | 2019-PPNP-190719-010A | 250 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 274 |
| 28 | 2019-PPNP-210719-001A | 131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 6 | 0 | 0 | 1 | 163 |
| 29 | 2019-PPNP-210719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 |
| 30 | 2019-PPNP-210719-003A | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 27 |
| 31 | 2019-PPNP-310719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 |
| 32 | 2019-PPNP-210719-004A | 19 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 46 |
| 33 | 2019-PPNP-210719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 |
| 34 | 2019-PPNP-210719-006A | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 28 |
| 35 | 2019-PPNP-210719-007A | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 |
| 36 | 2019-PPNP-210719-008A | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 22 |
| 37 | 2019-PPNP-210719-009A | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 38 | 2019-PPNP-210719-010A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 39 | 2019-PPNP-210719-011A | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 40 | 2019-PPNP-210719-012A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 41 | 2019-PPNP-310719-010A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 |
| 42 | 2019-PPNP-070819-001A | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 13 |
| 43 | 2019-PPNP-220719-001A | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 |
| 44 | 2019-PPNP-220719-002A | 0 | 4 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 32 |
| 45 | 2019-PPNP-070819-002A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 29 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|--------------------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 46 | 2019-PPNP-070819-003A | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 16 |
| 47 | 2019-PPNP-070819-004A | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 1 | 19 |
| 48 | 2019-PPNP-070819-005A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 25 |
| 49 | 2019-PPNP-070819-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 |
| 50 | 2019-PPNP-220719-003A | 0 | 3 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 48 |
| 51 | 2019-PPNP-220719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 28 |
| 52 | 2019-PPNP-220719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 53 | 2019-PPNP-220719-007A | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 27 |
| 54 | 2019-PPNP-230719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 11 |
| 55 | 2019-PPNP-070819-007A | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 56 | 2019-PPNP-230719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 9 |
| 57 | 2019-PPNP-230719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 58 | 2019-PPNP-070819-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 14 |
| 59 | 2019-PPNP-070819-009A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 11 |
| 60 | 2019-PPNP-070819-010A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 11 |
| 61 | 2019-PPNP-070819-011A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 11 |
| 62 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 63 | 2019-PPNP-230719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 16 |
| 64 | 2019-PPNP-070819-012A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 12 |
| 65 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 66 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 67 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 68 | 2019-PPNP-230719-005A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 69 | 2019-PPNP-230719-006A | 0 | 10 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|-----------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------|
| 70 | 2019-PPNP-230719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 71 | 2019-PPNP-230719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 5 |
| 72 | 2019-PPNP-230719-010A | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 73 | 2019-PPNP-230719-011A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 9 |
| 74 | 2019-PPNP-230719-012A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 75 | 2019-PPNP-240719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 |
| 76 | 2019-PPNP-240719-002A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 16 |
| 77 | 2019-PPNP-240719-003A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 |
| 78 | 2019-PPNP-240719-004A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 79 | 2019-PPNP-240719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 80 | 2019-PPNP-240719-006A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 81 | 2019-PPNP-240719-007A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 |
| 82 | 2019-PPNP-240719-008A | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 21 |
| 83 | 2019-PPNP-290719-001A | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 16 |
| 84 | 2019-PPNP-290719-002A | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 12 |
| 85 | 2019-PPNP-290719-003A | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 35 |
| 86 | 2019-PPNP-290719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 14 |
| 87 | 2019-PPNP-290719-005A | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 83 |
| 88 | 2019-PPNP-290719-006A | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 39 |
| 89 | 2019-PPNP-290719-007A | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 95 |
| 90 | 2019-PPNP-290719-008A | 29 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 114 |
| 91 | 2019-PPNP-290719-009A | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 31 |
| 92 | 2019-PPNP-290719-010A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 38 |
| 93 | 2019-PPNP-300719-001A | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 1 | 38 |

| Site number | Field number | <i>Lepomis</i> sp. | <i>Micropterus salmoides</i> | <i>Morone americana</i> | <i>Morone chrysops</i> | <i>Morone</i> sp. | <i>Neogobius melanostomus</i> | <i>Notemigonus crysoleucas</i> | <i>Notropis volucellus</i> | <i>Noturus gyrinus</i> | <i>Perca flavescens</i> | <i>Percina caprodes</i> | <i>Pimephales promelas</i> | <i>Pomoxis annularis</i> | <i>Pomoxis nigromaculatus</i> | <i>Pomoxis</i> sp. | <i>Sander vitreus</i> | <i>Umbra limi</i> | Total |
|-------------|-------------------------|--------------------|------------------------------|-------------------------|------------------------|-------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------------|--------------------|-----------------------|-------------------|-------------|
| 94 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 95 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 96 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 97 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 98 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 99 | 2019-PPNP-300719-002A | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 16 |
| 100 | 2019-PPNP-300719-003A | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 3 | 35 |
| 101 | 2019-PPNP-300719-004A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| 102 | 2019-PPNP-300719-005A | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 34 |
| 103 | 2019-PPNP-300719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 27 |
| 104 | 2019-PPNP-300719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 13 |
| 105 | 2019-PPNP-300719-008A | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 19 |
| 106 | 2019-PPNP-300719-009A | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 20 |
| 107 | 2019-PPNP-300719-010A | 43 | 3 | 0 | 1 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 110 |
| 108 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 109 | 2019-PPNP-220719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 1 | 47 |
| 110 | 2019-PPNP-230719-009A | 0 | 4 | 6 | 4 | 0 | 3 | 0 | 0 | 0 | 250 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 284 |
| | Total | 2308 | 139 | 12 | 7 | 1 | 3 | 57 | 25 | 19 | 362 | 3 | 0 | 1 | 513 | 10 | 3 | 26 | 4694 |

Table 4. Warmouth (*Lepomis gulosus*), Lake Chubsucker (*Erimyzon sucetta*), Spotted Gar (*Lepisosteus oculatus*), and Grass Pickerel (*Esox americanus vermiculatus*) captures from the 2019 Point Pelee National Park fish community inventory (period one and two). The term 'Not Tagged' indicates that the specimen did not meet tagging criteria during period one; whereas, 'No Tag' indicates that the specimen did not display a tag upon capture in period two. An asterisk (*) indicates the value was not measured.

| Species | Field Number | Sampling Period | Total Length (mm) | Total Weight (g) | Tag Number | Latitude | Longitude |
|------------------------|-----------------------|-----------------|-------------------|------------------|------------|----------|-----------|
| <i>Lepomis gulosus</i> | 2019-PPNP-020719-002A | 1 | 140 | 53.5 | 28888629 | 41.96927 | -82.50623 |
| <i>Lepomis gulosus</i> | 2019-PPNP-020719-009A | 1 | 129 | 47.5 | 28888654 | 41.96434 | -82.50494 |
| <i>Lepomis gulosus</i> | 2019-PPNP-020719-009A | 1 | 128 | 37.5 | 28888585 | 41.96434 | -82.50494 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-002A | 1 | 187 | 18.2 | 28888573 | 41.96189 | -82.50455 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-004A | 1 | 77 | 10.5 | 28888592 | 41.96027 | -82.50519 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-004A | 1 | 78 | 9 | 28888660 | 41.96027 | -82.50519 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-004A | 1 | 141 | 7.53 | 28888589 | 41.96027 | -82.50519 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-004A | 1 | 72 | 7.5 | 28888643 | 41.96027 | -82.50519 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-004A | 1 | 72 | * | not tagged | 41.96027 | -82.50519 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-004A | 1 | 69 | * | not tagged | 41.96027 | -82.50519 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-004A | 1 | 59 | * | not tagged | 41.96027 | -82.50519 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-005A | 1 | 126 | 45 | 28888572 | 41.95927 | -82.50502 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-005A | 1 | 72 | 7.5 | not tagged | 41.95927 | -82.50502 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-005A | 1 | 60 | 3.5 | not tagged | 41.95927 | -82.50502 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-006A | 1 | 140 | 64 | 28888663 | 41.96167 | -82.51096 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-006A | 1 | 102 | 23 | 28888644 | 41.96167 | -82.51096 |
| <i>Lepomis gulosus</i> | 2019-PPNP-030719-006A | 1 | 86 | 16 | 28888620 | 41.96167 | -82.51096 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-001A | 1 | 79 | 11 | 28888653 | 41.96580 | -82.51759 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-001A | 1 | 69 | 7.5 | 28888618 | 41.96580 | -82.51759 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-002A | 1 | 124 | 44 | 28888578 | 41.96570 | -82.51897 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-002A | 1 | 117 | 35 | 28888617 | 41.96570 | -82.51897 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-002A | 1 | 103 | 23 | 28888659 | 41.96570 | -82.51897 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-002A | 1 | 103 | 22 | 28888646 | 41.96570 | -82.51897 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-002A | 1 | 76 | 9 | 28888576 | 41.96570 | -82.51897 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-003A | 1 | 97 | 21.5 | 28888588 | 41.96526 | -82.52032 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-008A | 1 | 85 | * | not tagged | 41.97065 | -82.51896 |

| Species | Field Number | Sampling Period | Total Length (mm) | Total Weight (g) | Tag Number | Latitude | Longitude |
|------------------------|-----------------------|-----------------|-------------------|------------------|------------|----------|-----------|
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-008A | 1 | 67 | * | not tagged | 41.97065 | -82.51896 |
| <i>Lepomis gulosus</i> | 2019-PPNP-080719-008A | 1 | 55 | * | not tagged | 41.97065 | -82.51896 |
| <i>Lepomis gulosus</i> | 2019-PPNP-100719-001A | 1 | 148 | 69.5 | 28888627 | 41.97161 | -82.51017 |
| <i>Lepomis gulosus</i> | 2019-PPNP-100719-004A | 1 | 89 | * | not tagged | 41.97376 | -82.50999 |
| <i>Lepomis gulosus</i> | 2019-PPNP-100719-010A | 1 | 119 | 37.5 | 28888624 | 41.97158 | -82.50689 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 203 | * | 28888647 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 198 | * | 28888657 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 195 | * | 28888590 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 195 | * | 28888607 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 190 | * | 28888598 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 175 | * | 28888595 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 175 | * | 28888652 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 119 | * | 28888615 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-004A | 1 | 119 | * | 28888658 | 41.96063 | -82.50546 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-007A | 1 | 118 | * | 28888621 | 41.96509 | -82.52093 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-007A | 1 | 92 | * | 28888639 | 41.96509 | -82.52093 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-007A | 1 | 58 | * | not tagged | 41.96509 | -82.52093 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-007A | 1 | 57 | * | not tagged | 41.96509 | -82.52093 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-007A | 1 | 54 | * | not tagged | 41.96509 | -82.52093 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-008A | 1 | 114 | * | 28888666 | 41.96414 | -82.52240 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-009A | 1 | 92 | * | not tagged | 41.96354 | -82.52404 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-009A | 1 | 54 | * | not tagged | 41.96354 | -82.52404 |
| <i>Lepomis gulosus</i> | 2019-PPNP-170619-010A | 1 | 79 | * | 28888632 | 41.96469 | -82.52459 |
| <i>Lepomis gulosus</i> | 2019-PPNP-180619-003A | 1 | 128 | * | 28888609 | 41.97021 | -82.52007 |
| <i>Lepomis gulosus</i> | 2019-PPNP-180619-003A | 1 | 85 | * | 28888648 | 41.97021 | -82.52007 |
| <i>Lepomis gulosus</i> | 2019-PPNP-180619-003A | 1 | 64 | * | not tagged | 41.97021 | -82.52007 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240619-010A | 1 | 134 | * | 28888661 | 41.97117 | -82.51669 |
| <i>Lepomis gulosus</i> | 2019-PPNP-260619-003A | 1 | 54 | * | not tagged | 41.97334 | -82.51039 |
| <i>Lepomis gulosus</i> | 2019-PPNP-260619-005A | 1 | 67 | * | not tagged | 41.97484 | -82.50887 |

| Species | Field Number | Sampling Period | Total Length (mm) | Total Weight (g) | Tag Number | Latitude | Longitude |
|------------------------|-----------------------|-----------------|-------------------|------------------|------------|----------|-----------|
| <i>Lepomis gulosus</i> | 2019-PPNP-260619-007A | 1 | 107 | * | 28888583 | 41.97417 | -82.50662 |
| <i>Lepomis gulosus</i> | 2019-PPNP-260619-009A | 1 | 120 | 41 | 28888575 | 41.97222 | -82.50663 |
| <i>Lepomis gulosus</i> | 2019-PPNP-070819-008A | 2 | 162 | 113 | no tag | 41.97369 | -82.50645 |
| <i>Lepomis gulosus</i> | 2019-PPNP-070819-008A | 2 | 164 | 110 | no tag | 41.97369 | -82.50645 |
| <i>Lepomis gulosus</i> | 2019-PPNP-070819-008A | 2 | 105 | 26 | no tag | 41.97369 | -82.50645 |
| <i>Lepomis gulosus</i> | 2019-PPNP-070819-010A | 2 | 146 | 69 | no tag | 41.97278 | -82.50681 |
| <i>Lepomis gulosus</i> | 2019-PPNP-070819-012A | 2 | 173 | 120 | no tag | 41.97022 | -82.5060 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-003A | 2 | 106 | * | no tag | 41.97586 | -82.52329 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-003A | 2 | 90 | * | no tag | 41.97586 | -82.52329 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-003A | 2 | 21 | * | * | 41.97586 | -82.52329 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-004A | 2 | 86 | * | no tag | 41.97664 | -82.52383 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-007A | 2 | 109 | * | no tag | 41.97927 | -82.51340 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-007A | 2 | 96 | * | no tag | 41.97927 | -82.51340 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-007A | 2 | 92 | * | no tag | 41.97927 | -82.51340 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-009A | 2 | 110 | * | no tag | 41.97816 | -82.51114 |
| <i>Lepomis gulosus</i> | 2019-PPNP-190719-009A | 2 | 24 | * | * | 41.97816 | -82.51114 |
| <i>Lepomis gulosus</i> | 2019-PPNP-200719-002A | 2 | 134 | 51.5 | no tag | 41.97974 | -82.52371 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-001A | 2 | 169 | 123 | no tag | 41.97566 | -82.51389 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-001A | 2 | 97 | 21.5 | no tag | 41.97566 | -82.51389 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-001A | 2 | 94 | * | no tag | 41.97566 | -82.51389 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-001A | 2 | 21 | * | * | 41.97566 | -82.51389 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-002A | 2 | 22 | * | * | 41.97425 | -82.51494 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-004A | 2 | 22 | * | * | 41.97190 | -82.51602 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-008A | 2 | 90 | 19 | no tag | 41.97002 | -82.51352 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-008A | 2 | 82 | 11.5 | no tag | 41.97002 | -82.51352 |
| <i>Lepomis gulosus</i> | 2019-PPNP-210719-012A | 2 | 195 | 145 | no tag | 41.96888 | -82.51035 |
| <i>Lepomis gulosus</i> | 2019-PPNP-220719-001A | 2 | 138 | 58 | no tag | 41.97138 | -82.51071 |
| <i>Lepomis gulosus</i> | 2019-PPNP-220719-006A | 2 | 168 | 110.5 | no tag | 41.97138 | -82.51071 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-003A | 2 | 113 | 35 | no tag | 41.97440 | -82.50682 |

| Species | Field Number | Sampling Period | Total Length (mm) | Total Weight (g) | Tag Number | Latitude | Longitude |
|------------------------|-----------------------|-----------------|-------------------|------------------|------------|----------|-----------|
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-003A | 2 | 100 | 23 | no tag | 41.97440 | -82.50682 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-003A | 2 | 94 | 18.5 | no tag | 41.97440 | -82.50682 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-003A | 2 | 169 | * | no tag | 41.97440 | -82.50682 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-004A | 2 | 114 | 31 | no tag | 41.97138 | -82.50653 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-004A | 2 | 93 | 19 | no tag | 41.97138 | -82.50653 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-004A | 2 | 92 | 19 | no tag | 41.97138 | -82.50653 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-004A | 2 | 78 | 10 | no tag | 41.97440 | -82.50682 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-004A | 2 | 69 | 7 | no tag | 41.97440 | -82.50682 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-010A | 2 | 100 | 20.5 | no tag | 41.97138 | -82.50653 |
| <i>Lepomis gulosus</i> | 2019-PPNP-230719-011A | 2 | 76 | 10 | no tag | 41.97138 | -82.50653 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-001A | 2 | 153 | 72 | no tag | 41.96376 | -82.50517 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-003A | 2 | 145 | 88.5 | no tag | 41.96271 | -82.50491 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-004A | 2 | 104 | * | no tag | 41.96250 | -82.50468 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-006A | 2 | 128 | 50.5 | no tag | 41.96170 | -82.50488 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-006A | 2 | 90 | * | no tag | 41.96170 | -82.50488 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-007A | 2 | 82 | 12 | no tag | 41.96170 | -82.50488 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-007A | 2 | 74 | 8 | no tag | 41.96170 | -82.50488 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-008A | 2 | 121 | 42.5 | no tag | 41.96113 | -82.50512 |
| <i>Lepomis gulosus</i> | 2019-PPNP-240719-008A | 2 | 70 | 7.5 | no tag | 41.96113 | -82.50512 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-001A | 2 | 140 | 67 | no tag | 41.96032 | -82.50517 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-001A | 2 | 72 | 9.5 | no tag | 41.96032 | -82.50517 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-007A | 2 | 93 | 17.5 | no tag | 41.96032 | -82.50517 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-008A | 2 | 32 | * | * | 41.96491 | -82.51511 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-008A | 2 | 32 | * | * | 41.96491 | -82.51511 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-008A | 2 | 32 | * | * | 41.96491 | -82.51511 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-008A | 2 | 20 | * | * | 41.96433 | -82.51421 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-008A | 2 | 20 | * | * | 41.96491 | -82.51511 |
| <i>Lepomis gulosus</i> | 2019-PPNP-290719-008A | 2 | 20 | * | * | 41.96491 | -82.51511 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-001A | 2 | 30 | * | * | 41.96571 | -82.51889 |

| Species | Field Number | Sampling Period | Total Length (mm) | Total Weight (g) | Tag Number | Latitude | Longitude |
|-------------------------------------|-----------------------|-----------------|-------------------|------------------|------------|----------|-----------|
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-002A | 2 | 111 | * | no tag | 41.96642 | -82.52391 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-003A | 2 | 160 | 93 | no tag | 41.96652 | -82.52248 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-004A | 2 | 152 | 81 | no tag | 41.96611 | -82.52171 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-004A | 2 | 130 | 53 | no tag | 41.96611 | -82.52171 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-005A | 2 | 125 | 45 | no tag | 41.96719 | -82.52148 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-006A | 2 | 132 | 48 | no tag | 41.96731 | -82.52164 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-006A | 2 | 27 | * | * | 41.96731 | -82.52164 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-006A | 2 | 25 | * | * | 41.96731 | -82.52164 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-007A | 2 | 165 | 117 | no tag | 41.96974 | -82.52104 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-007A | 2 | 141 | 66.5 | no tag | 41.96974 | -82.52104 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-007A | 2 | 89 | 14 | no tag | 41.96974 | -82.52104 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-007A | 2 | 84 | 11.5 | no tag | 41.96974 | -82.52104 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-007A | 2 | 65 | 5 | no tag | 41.96974 | -82.52104 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-008A | 2 | 26 | * | * | 41.97020 | -82.52003 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-009A | 2 | 165 | 113 | no tag | 41.97065 | -82.51893 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-009A | 2 | 31 | * | * | 41.97065 | -82.51893 |
| <i>Lepomis gulosus</i> | 2019-PPNP-300719-009A | 2 | 30 | * | * | 41.97065 | -82.51893 |
| <i>Lepomis gulosus</i> | 2019-PPNP-310719-007A | 2 | 109 | 26 | no tag | 41.97644 | -82.52320 |
| <i>Lepomis gulosus</i> | 2019-PPNP-310719-010A | 2 | 177 | 124.5 | no tag | 41.96953 | -82.51131 |
| <i>Esox americanus vermiculatus</i> | 2019-PPNP-240619-003A | 1 | 79 | 2.5 | not tagged | 41.97835 | -82.51277 |
| <i>Esox americanus vermiculatus</i> | 2019-PPNP-100719-004A | 1 | 96 | 50 | not tagged | 41.97376 | -82.50999 |
| <i>Esox americanus vermiculatus</i> | 2019-PPNP-030719-005A | 1 | 76 | 2 | not tagged | 41.95927 | -82.50502 |
| <i>Esox americanus vermiculatus</i> | 2019-PPNP-290719-003A | 2 | 105 | * | no tag | 41.95882 | -82.50568 |
| <i>Esox americanus vermiculatus</i> | 2019-PPNP-290719-004A | 2 | 89 | * | no tag | 41.96171 | -82.51097 |
| <i>Esox americanus vermiculatus</i> | 2019-PPNP-300719-007A | 2 | 99 | * | no tag | 41.96974 | -82.52104 |
| <i>Lepisosteus oculatus</i> | 2019-PPNP-240619-006A | 1 | 540 | 1057 | 28888599 | 41.97564 | -82.51395 |
| <i>Lepisosteus oculatus</i> | 2019-PPNP-080719-010A | 1 | 590 | 820 | 28888645 | 41.97274 | -82.51593 |
| <i>Lepisosteus oculatus</i> | 2019-PPNP-250619-003A | 1 | 555 | 520 | 28888665 | 41.97002 | -82.51350 |
| <i>Lepisosteus oculatus</i> | 2019-PPNP-260619-002A | 1 | 542 | 530 | 28888579 | 41.97242 | -82.51035 |

| Species | Field Number | Sampling Period | Total Length (mm) | Total Weight (g) | Tag Number | Latitude | Longitude |
|-----------------------------|-----------------------|-----------------|-------------------|------------------|------------|----------|-----------|
| <i>Lepisosteus oculatus</i> | 2019-PPNP-260619-002A | 1 | 505 | 410 | 28888671 | 41.97242 | -82.51035 |
| <i>Lepisosteus oculatus</i> | 2019-PPNP-170619-004A | 1 | 592 | 1077 | 28888601 | 41.96063 | -82.50546 |
| <i>Lepisosteus oculatus</i> | 2019-PPNP-070819-003A | 2 | 650 | * | no tag | 41.97232 | -82.50970 |
| <i>Lepisosteus oculatus</i> | 2019-PPNP-300719-006A | 2 | 622 | * | no tag | 41.96731 | -82.52164 |
| <i>Erimyzon sucetta</i> | 2019-PPNP-180619-001A | 1 | 175 | * | not tagged | 41.96612 | -82.52176 |

Table 5. Summary of species at risk total length (mm) and mass (g) for Warmouth (*Lepomis gulosus*), Grass Pickerel (*Esox americanus vermiculatus*), Spotted Gar (*Lepisosteus oculatus*), and Lake Chubsucker (*Erimyzon sucetta*) captures from the 2019 Point Pelee National Park fish community inventory (period one and two).

| | <i>Lepomis gulosus</i> | | <i>Esox americanus vermiculatus</i> | | <i>Lepisosteus oculatus</i> | | <i>Erimyzon sucetta</i> | |
|-----------------------|------------------------|----------|-------------------------------------|----------|-----------------------------|----------|-------------------------|----------|
| | Total length (mm) | Mass (g) | Total length (mm) | Mass (g) | Total length (mm) | Mass (g) | Total length (mm) | Mass (g) |
| Min | 20 | 3.5 | 76 | 2 | 505 | 410 | - | - |
| Mean | 100.99 | 42.46 | 90.67 | 18.17 | 574.5 | 735.67 | - | - |
| Max | 203 | 145 | 105 | 50 | 650 | 1077 | 175 | - |
| Total Captured | 132 | | 6 | | 8 | | 1 | |

Table 6. Habitat data from a) sample period one, and b) sample period two of the Point Pelee National Park fish community inventory in 2019. An asterisk (*) indicates the value was not measured.

a) Sample Period One

| Site number | Field number | Air temp. (°C) | Water temp. (°C) | Conductivity (µS) | Dissolved oxygen (mg/L) | Turbidity tube (m) | Turbidity (NTU) | Mean depth (m) |
|-------------|-----------------------|----------------|------------------|-------------------|-------------------------|--------------------|-----------------|----------------|
| 1 | 2019-PPNP-090719-001A | 27.2 | 26.7 | 257.50 | 8.39 | 0.85 | 4.30 | 1.72 |
| 2 | 2019-PPNP-090719-002A | 26.6 | 26.2 | 258.00 | 7.67 | 0.76 | 4.70 | 1.76 |
| 3 | 2019-PPNP-180619-004A | 25.6 | 21.1 | 230.00 | 9.89 | 0.90 | 3.40 | 1.45 |
| 4 | 2019-PPNP-090719-003A | 24.1 | 25.6 | 250.90 | 8.57 | 0.77 | 7.69 | 1.57 |
| 5 | 2019-PPNP-090719-004A | 29.8 | 25.6 | 252.90 | 8.46 | 0.83 | 3.70 | 2.32 |
| 6 | 2019-PPNP-090719-005A | 28.3 | 26.4 | 257.50 | 8.54 | 0.88 | 3.92 | 1.56 |
| 7 | 2019-PPNP-090719-006A | 33.5 | 26.6 | 257.60 | 8.96 | 0.78 | 3.70 | 1.55 |
| 8 | 2019-PPNP-180619-005A | 24.5 | 20.9 | 223.60 | 9.39 | 0.74 | 9.43 | 1.43 |
| 9 | 2019-PPNP-090719-007A | 28.6 | 26.6 | 258.30 | 8.89 | 0.69 | 4.00 | 1.57 |
| 10 | 2019-PPNP-180619-006A | 25.5 | 20.2 | 219.80 | 7.86 | 0.51 | 9.64 | 1.55 |
| 11 | 2019-PPNP-090719-009A | 28.5 | 26.5 | 256.90 | 9.62 | 0.67 | 4.95 | 1.82 |
| 12 | 2019-PPNP-180619-007A | 24.1 | 20.3 | 220.20 | 8.60 | 0.76 | 4.71 | 1.67 |
| 13 | 2019-PPNP-090719-010A | 24.0 | 26.4 | 256.20 | 9.50 | 0.77 | 5.03 | 1.51 |
| 14 | 2019-PPNP-180619-008A | 24.1 | 21.3 | 226.10 | 9.61 | 0.76 | 3.96 | 1.49 |
| 15 | 2019-PPNP-190619-001A | 21.7 | 23.0 | 235.80 | 9.94 | 0.83 | 2.30 | 1.57 |
| 16 | 2019-PPNP-190619-002A | 25.1 | 23.2 | 236.10 | 10.00 | 0.77 | 2.93 | 1.56 |
| 17 | 2019-PPNP-190619-003A | 28.8 | 23.3 | 236.50 | 10.36 | 0.71 | 2.28 | 1.70 |
| 18 | 2019-PPNP-190619-004A | 29.1 | 23.8 | 240.10 | 9.85 | 0.75 | 1.95 | 1.54 |
| 19 | 2019-PPNP-190619-005A | 30.5 | 23.6 | 239.60 | 10.00 | 0.56 | 2.25 | 1.69 |
| 20 | 2019-PPNP-190619-006A | 21.4 | 23.7 | 240.70 | 9.49 | 0.75 | 2.01 | 1.54 |
| 21 | 2019-PPNP-190619-007A | 25.0 | 23.2 | 238.80 | 9.68 | 0.74 | 4.80 | 0.82 |
| 22 | 2019-PPNP-190619-008A | 22.4 | 23.0 | 237.20 | 9.82 | 0.79 | 2.23 | 1.31 |
| 23 | 2019-PPNP-240619-001A | 27.0 | 23.3 | 239.50 | 6.76 | 0.56 | 3.38 | 1.40 |
| 24 | 2019-PPNP-240619-002A | 25.2 | 23.6 | 241.90 | 6.99 | 0.65 | 4.90 | 1.46 |
| 25 | 2019-PPNP-240619-003A | 25.9 | 23.2 | 240.00 | 6.53 | 0.90 | 2.59 | 1.64 |
| 26 | 2019-PPNP-240619-004A | 26.8 | 24.5 | 249.80 | 7.85 | * | 1.38 | 1.59 |
| 27 | 2019-PPNP-240619-005A | 26.6 | 23.8 | 244.50 | 7.53 | 0.78 | 2.81 | 1.68 |
| 28 | 2019-PPNP-240619-006A | 25.5 | 24.1 | 246.20 | 7.28 | 0.75 | 10.59 | 1.52 |
| 29 | 2019-PPNP-240619-007A | 27.1 | 23.3 | 243.20 | 7.22 | 0.75 | 2.55 | 1.65 |
| 30 | 2019-PPNP-240619-008A | 25.1 | 23.3 | 242.80 | 7.11 | 0.90 | 2.11 | 1.59 |
| 31 | 2019-PPNP-080719-010A | 30.2 | 25.9 | 257.90 | 7.54 | * | 2.12 | 1.87 |
| 32 | 2019-PPNP-240619-009A | 25.4 | 23.6 | 248.70 | 8.13 | 0.96 | 4.52 | 1.61 |
| 33 | 2019-PPNP-240619-010A | 24.2 | 23.6 | 249.70 | 8.39 | 1.07 | 2.76 | 1.35 |
| 34 | 2019-PPNP-250619-001A | 23.7 | 23.4 | 242.60 | 8.15 | 0.87 | 2.58 | 1.60 |
| 35 | 2019-PPNP-250619-002A | 23.6 | 23.2 | 243.20 | 7.95 | 0.82 | 2.28 | 1.65 |
| 36 | 2019-PPNP-250619-003A | 26.3 | 24.0 | 248.60 | 10.82 | 0.94 | 5.85 | 1.67 |

| Site number | Field number | Air temp. (°C) | Water temp. (°C) | Conductivity (µS) | Dissolved oxygen (mg/L) | Turbidity tube (m) | Turbidity (NTU) | Mean depth (m) |
|-------------|--------------------------------|----------------|------------------|-------------------|-------------------------|--------------------|-----------------|----------------|
| 37 | 2019-PPNP-250619-004A | 25.9 | 23.5 | 247.80 | 8.51 | 1.10 | 1.92 | 1.53 |
| 38 | 2019-PPNP-250619-005A | 23.8 | 22.8 | 244.10 | 7.73 | 0.76 | 2.40 | 1.59 |
| 39 | 2019-PPNP-250619-006A | 28.2 | 16.2 | 227.80 | 7.18 | * | 2.00 | 1.46 |
| 40 | 2019-PPNP-250619-007A | 26.1 | 23.5 | 260.80 | 7.96 | 0.90 | 2.51 | 1.56 |
| 41 | 2019-PPNP-250619-008A | 27.5 | 23.7 | 263.00 | 7.93 | 1.10 | 1.60 | 1.56 |
| 42 | 2019-PPNP-250619-009A | 28.3 | 25.7 | 271.00 | 7.52 | * | 0.82 | 1.51 |
| 43 | 2019-PPNP-250619-010A | 28.7 | 24.5 | 268.00 | 8.93 | * | 1.04 | 1.56 |
| 44 | 2019-PPNP-100719-001A | 30.0 | 24.7 | 251.10 | 4.84 | 0.63 | 1.03 | 1.54 |
| 45 | 2019-PPNP-260619-001A | 27.6 | 23.6 | 258.60 | 8.32 | 0.81 | 1.58 | 1.45 |
| 46 | 2019-PPNP-100719-002A | 34.1 | 26.3 | 259.10 | 6.01 | 0.95 | 3.78 | 1.49 |
| 47 | 2019-PPNP-260619-002A | 29.9 | 24.1 | 263.20 | 7.53 | 0.80 | 2.81 | 1.42 |
| 48 | 2019-PPNP-100719-003A | 32.2 | 24.4 | 246.00 | 0.39 | 0.55 | 0.54 | 1.51 |
| 49 | 2019-PPNP-260619-003A | 28.5 | 25.1 | 267.50 | 7.63 | 0.82 | 0.89 | 1.49 |
| 50 | 2019-PPNP-100719-004A | 29.5 | 24.4 | 247.00 | 1.07 | 0.69 | 1.28 | 1.50 |
| 51 | 2019-PPNP-260619-004A | 27.3 | 24.7 | 266.80 | 8.86 | 0.60 | 0.93 | 1.67 |
| 52 | 2019-PPNP-100719-005A | 29.9 | 25.7 | 261.40 | 2.65 | 0.87 | 0.71 | 1.59 |
| 53 | 2019-PPNP-260619-005A | 28.9 | 24.9 | 270.50 | 8.97 | 0.75 | 2.08 | 1.53 |
| 54 | 2019-PPNP-100719-006A | 28.7 | 24.6 | 261.20 | 1.18 | 0.69 | 0.79 | 1.51 |
| 55 | 2019-PPNP-260619-006A | 29.6 | 24.9 | 271.00 | 9.00 | 0.66 | 1.72 | 1.56 |
| 56 | 2019-PPNP-100719-007A | 29.1 | 24.7 | 263.70 | 4.43 | 1.06 | 1.15 | 1.57 |
| 57 | 2019-PPNP-260619-007A | 27.0 | 25.1 | 271.50 | 8.93 | 0.61 | 1.90 | 1.36 |
| 58 | 2019-PPNP-100719-008A | 30.2 | 25.7 | 267.90 | 9.37 | * | 0.34 | 1.57 |
| 59 | 2019-PPNP-260619-008A | 29.2 | 25.0 | 270.80 | 8.27 | 0.88 | 3.90 | 1.54 |
| 60 | 2019-PPNP-100719-009A | 29.1 | 25.8 | 263.70 | 11.58 | 1.03 | 1.93 | 2.15 |
| 61 | 2019-PPNP-260619-009A | 28.2 | 25.0 | 269.00 | 8.40 | 0.87 | 2.32 | 1.64 |
| 62 | 2019-PPNP-100719-010A | 30.0 | 26.9 | 267.10 | 13.17 | * | 3.46 | 1.85 |
| 63 | 2019-PPNP-260619-010A | 29.3 | 24.6 | 268.50 | 8.22 | 0.96 | 2.13 | 1.65 |
| 64 | 2019-PPNP-020719-001A | 29.0 | 27.3 | 271.30 | 9.58 | * | 1.37 | 1.64 |
| 65 | 2019-PPNP-020719-002A | 30.3 | 27.1 | 270.00 | 9.04 | * | 1.74 | 1.34 |
| 66 | 2019-PPNP-020719-003A | 27.8 | 27.0 | 267.30 | 8.43 | 1.13 | 4.20 | 1.57 |
| 67 | 2019-PPNP-020719-004A | 29.0 | 26.9 | 267.20 | 8.22 | 0.96 | 2.00 | 1.57 |
| 68 | 2019-PPNP-020719-005A | 29.8 | 26.8 | 264.50 | 8.48 | 1.08 | 1.83 | 1.95 |
| 69 | 2019-PPNP-020719-006A | 28.4 | 26.7 | 263.00 | 8.53 | 0.95 | 3.63 | 1.17 |
| 70 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * |
| 71 | 2019-PPNP-020719-007A | 28.9 | 27.4 | 269.70 | 7.80 | 0.96 | 2.66 | 1.56 |
| 72 | 2019-PPNP-020719-008A | 31.4 | 27.8 | 271.60 | 8.98 | 1.06 | 3.25 | 0.85 |
| 73 | 2019-PPNP-170619-001A | 18.0 | 17.0 | 220.10 | 9.12 | * | 6.99 | 1.02 |
| 74 | 2019-PPNP-020719-009A | 29.2 | 27.6 | 286.40 | 8.28 | 0.85 | 3.00 | 1.10 |
| 75 | 2019-PPNP-020719-010A | 32.2 | 27.9 | 268.90 | 8.52 | 0.80 | 5.50 | 1.38 |
| 76 | 2019-PPNP-030719-001A | 26.4 | 26.1 | 264.50 | 5.71 | 0.80 | 2.92 | 1.40 |
| 78 | 2019-PPNP-170619-002A | 19.5 | 17.3 | 235.90 | 7.74 | * | 2.15 | 0.97 |

| Site number | Field number | Air temp. (°C) | Water temp. (°C) | Conductivity (µS) | Dissolved oxygen (mg/L) | Turbidity tube (m) | Turbidity (NTU) | Mean depth (m) |
|-------------|--------------------------------|----------------|------------------|-------------------|-------------------------|--------------------|-----------------|----------------|
| 77 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * |
| 79 | 2019-PPNP-030719-002A | 26.5 | 26.6 | 269.70 | 5.76 | 0.86 | 1.96 | 1.18 |
| 80 | 2019-PPNP-170619-003A | 24.3 | 17.7 | 237.30 | 9.14 | * | 2.17 | 0.98 |
| 81 | 2019-PPNP-030719-003A | 26.6 | 26.7 | 271.10 | 6.14 | 0.95 | 3.55 | 1.02 |
| 82 | 2019-PPNP-170619-004A | 19.2 | 18.5 | 240.80 | 7.57 | * | 2.67 | 0.94 |
| 83 | 2019-PPNP-030719-004A | 27.3 | 27.5 | 274.50 | 10.19 | 0.57 | 1.21 | 1.25 |
| 84 | 2019-PPNP-030719-005A | 26.1 | 27.5 | 296.30 | 5.07 | 0.85 | 3.66 | 1.20 |
| 85 | 2019-PPNP-170619-005A | 18.7 | 19.0 | 252.90 | 1.71 | * | 0.62 | 1.16 |
| 86 | 2019-PPNP-030719-006A | 27.2 | 26.1 | 255.60 | 9.14 | 1.15 | 1.03 | 1.83 |
| 87 | 2019-PPNP-030719-007A | 28.8 | 25.5 | 255.60 | 7.59 | 1.15 | 1.25 | 1.56 |
| 88 | 2019-PPNP-170619-006A | 17.6 | 18.9 | 227.50 | 5.98 | * | 1.75 | 1.05 |
| 89 | 2019-PPNP-030719-008A | 29.4 | 25.4 | 257.30 | 6.23 | 0.99 | 1.77 | 1.55 |
| 90 | 2019-PPNP-030719-009A | 29.1 | 26.3 | 262.90 | 7.03 | 1.16 | 1.35 | 1.74 |
| 91 | 2019-PPNP-030719-010A | 32.3 | 26.8 | 266.90 | 7.40 | 1.16 | 1.07 | 1.80 |
| 92 | 2019-PPNP-080719-001A | 25.7 | 25.1 | 254.80 | 7.42 | 1.05 | 0.77 | 2.06 |
| 93 | 2019-PPNP-080719-002A | 26.1 | 25.1 | 255.40 | 7.55 | 0.80 | 2.83 | 1.98 |
| 94 | 2019-PPNP-080719-003A | 27.8 | 25.7 | 244.40 | 15.75 | 0.86 | 1.40 | 1.83 |
| 95 | 2019-PPNP-170619-007A | 19.1 | 18.8 | 219.00 | 5.12 | * | 3.11 | 1.27 |
| 96 | 2019-PPNP-170619-008A | 21.1 | 19.1 | 220.50 | 3.39 | * | 0.31 | 1.38 |
| 97 | 2019-PPNP-170619-009A | 17.6 | 18.5 | 228.50 | 1.81 | * | 1.54 | 1.48 |
| 98 | 2019-PPNP-170619-010A | 17.7 | 19.8 | 242.30 | 3.65 | * | 1.65 | 1.28 |
| 99 | 2019-PPNP-080719-004A | 27.3 | 26.1 | 269.50 | 4.82 | 0.73 | 11.35 | 1.93 |
| 100 | 2019-PPNP-080719-005A | 29.0 | 25.5 | 261.30 | 6.82 | 0.48 | 11.33 | 1.86 |
| 101 | 2019-PPNP-180619-001A | 25.5 | 20.4 | 232.40 | 11.22 | 0.75 | 8.00 | 1.45 |
| 102 | 2019-PPNP-080719-006A | 26.4 | 25.5 | 257.20 | 8.75 | 0.70 | 5.55 | 2.04 |
| 103 | 2019-PPNP-180619-002A | 22.8 | 22.2 | 237.60 | 12.62 | * | 2.20 | 1.91 |
| 104 | 2019-PPNP-080719-007A | 25.2 | 26.3 | 252.30 | 12.55 | 0.85 | 3.79 | 1.89 |
| 105 | 2019-PPNP-180619-003A | 22.0 | 21.8 | 232.00 | 10.89 | 0.81 | 1.80 | 1.42 |
| 106 | 2019-PPNP-080719-008A | 28.5 | 26.1 | 253.60 | 9.77 | 0.93 | 3.70 | 1.83 |
| 107 | 2019-PPNP-080719-009A | 30.5 | 24.6 | 245.80 | 5.81 | 0.90 | 1.86 | 1.91 |
| 108 | 2019-PPNP-090719-008A | 25.7 | 26.5 | 257.80 | 9.44 | 0.72 | 4.05 | 1.68 |
| 109 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * |
| 110 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * |
| | Min | 17.6 | 16.2 | 219.00 | 0.39 | 0.48 | 0.31 | 0.82 |
| | Mean | 26.7 | 24.2 | 252.55 | 7.93 | 0.83 | 3.04 | 1.54 |
| | Max | 34.1 | 27.9 | 296.30 | 15.75 | 1.16 | 11.35 | 2.32 |

b) Sample Period Two

| Site number | Field number | Air temp. (°C) | Water temp. (°C) | Conductivity (µS) | Dissolved oxygen (mg/L) | Turbidity tube (m) | Turbidity (NTU) | Mean depth (m) |
|-------------|--------------------------------|----------------|------------------|-------------------|-------------------------|--------------------|-----------------|----------------|
| 1 | 2019-PPNP-310719-001A | 26.3 | 26.1 | 249.60 | 7.75 | 0.55 | 6.29 | 1.49 |
| 2 | <i>Not Sampled in Period 2</i> | * | * | * | * | * | * | * |
| 3 | 2019-PPNP-190719-001A | 33.8 | 27.8 | 257.00 | 6.19 | 0.79 | 4.03 | 1.40 |
| 4 | 2019-PPNP-310719-002A | 25.0 | 26.5 | 245.90 | 10.04 | 0.39 | 12.02 | 1.24 |
| 5 | 2019-PPNP-310719-003A | 27.5 | 26.6 | 247.70 | 10.01 | 0.26 | 10.71 | 1.41 |
| 6 | 2019-PPNP-310719-004A | 24.9 | 26.6 | 246.30 | 10.51 | 0.41 | 10.60 | 1.19 |
| 7 | 2019-PPNP-310719-005A | 25.1 | 26.3 | 246.30 | 8.78 | 0.39 | 13.65 | 1.43 |
| 8 | 2019-PPNP-190719-002A | 34.3 | 26.6 | 250.90 | 1.47 | 0.74 | 4.73 | 1.59 |
| 9 | 2019-PPNP-310719-006A | 27.2 | 26.0 | 244.40 | 7.37 | 0.20 | 7.84 | 1.41 |
| 10 | 2019-PPNP-190719-003A | 36.0 | 25.2 | 232.80 | 1.72 | 0.50 | 4.11 | 1.49 |
| 11 | 2019-PPNP-310719-007A | 25.4 | 26.7 | 244.40 | 10.37 | 0.37 | 7.80 | 1.49 |
| 12 | 2019-PPNP-190719-004A | 34.3 | 25.2 | 233.20 | 1.72 | 0.56 | 21.00 | 1.56 |
| 13 | 2019-PPNP-310719-008A | 25.0 | 26.0 | 240.00 | 5.33 | 0.65 | 8.50 | 1.55 |
| 14 | 2019-PPNP-190719-005A | 34.9 | 27.3 | 242.30 | 5.86 | 0.80 | 26.00 | 1.56 |
| 15 | 2019-PPNP-200719-001A | 33.8 | 28.7 | 261.20 | 6.94 | 0.64 | 4.46 | 1.27 |
| 16 | 2019-PPNP-200719-002A | 32.0 | 28.3 | 256.10 | 4.08 | 0.77 | 8.09 | 1.46 |
| 17 | 2019-PPNP-200719-003A | 36.2 | 29.1 | 262.00 | 8.77 | 0.50 | 5.20 | 1.45 |
| 18 | 2019-PPNP-200719-004A | 31.4 | 29.2 | 260.60 | 8.73 | 0.54 | 5.03 | 1.53 |
| 19 | 2019-PPNP-200719-005A | 36.4 | 29.5 | 262.60 | 8.53 | 0.47 | 5.57 | 1.44 |
| 20 | 2019-PPNP-200719-006A | 34.2 | 30.1 | 263.70 | 9.26 | 0.46 | 5.94 | 1.34 |
| 21 | 2019-PPNP-200719-007A | 31.5 | 29.9 | 264.50 | 9.31 | 0.34 | 29.80 | 1.21 |
| 22 | 2019-PPNP-200719-008A | 33.1 | 31.8 | 275.30 | 8.88 | 0.91 | 2.00 | 1.20 |
| 23 | 2019-PPNP-190719-006A | 35.1 | 29.4 | 263.40 | 8.00 | 1.82 | 3.55 | 1.81 |
| 24 | 2019-PPNP-190719-007A | 30.6 | 29.4 | 263.60 | 8.14 | 0.50 | 19.00 | 1.53 |
| 25 | 2019-PPNP-190719-008A | 30.1 | 28.9 | 262.60 | 8.06 | 0.60 | 5.21 | 1.67 |
| 26 | 2019-PPNP-190719-009A | 31.5 | 29.7 | 267.70 | 7.05 | 0.38 | 2.33 | 1.52 |
| 27 | 2019-PPNP-190719-010A | 30.2 | 29.4 | 265.60 | 6.78 | 0.73 | 2.57 | 1.50 |
| 28 | 2019-PPNP-210719-001A | 30.9 | 29.7 | 267.30 | 8.93 | 0.41 | 13.64 | 1.30 |
| 29 | 2019-PPNP-210719-002A | 28.7 | 28.9 | 264.00 | 6.21 | 0.75 | 3.15 | 1.43 |
| 30 | 2019-PPNP-210719-003A | 34.4 | 27.8 | 261.50 | 3.38 | 0.81 | 2.14 | 1.55 |
| 31 | 2019-PPNP-310719-009A | 29.3 | 26.6 | 252.50 | 9.75 | 0.60 | 8.43 | 1.73 |
| 32 | 2019-PPNP-210719-004A | 34.6 | 27.8 | 262.10 | 3.87 | 0.95 | 3.58 | 1.68 |
| 33 | 2019-PPNP-210719-005A | 33.7 | 27.9 | 263.50 | 4.63 | 0.54 | 6.46 | 1.39 |
| 34 | 2019-PPNP-210719-006A | 35.0 | 27.5 | 263.00 | 5.50 | 0.95 | 19.73 | 1.52 |
| 35 | 2019-PPNP-210719-007A | 33.7 | 27.3 | 264.50 | 9.63 | 0.87 | 6.00 | 1.80 |
| 36 | 2019-PPNP-210719-008A | 32.7 | 26.2 | 261.90 | 5.43 | 0.95 | 24.42 | 1.72 |
| 37 | 2019-PPNP-210719-009A | 30.4 | 23.7 | 250.80 | 11.45 | 0.86 | 1.02 | 1.71 |
| 38 | 2019-PPNP-210719-010A | 30.8 | 23.1 | 248.70 | 12.04 | 0.99 | 1.00 | 1.64 |
| 39 | 2019-PPNP-210719-011A | 25.9 | 21.9 | 249.20 | 9.10 | 1.10 | 0.65 | 1.49 |

| Site number | Field number | Air temp. (°C) | Water temp. (°C) | Conductivity (µS) | Dissolved oxygen (mg/L) | Turbidity tube (m) | Turbidity (NTU) | Mean depth (m) |
|-------------|-------------------------|----------------|------------------|-------------------|-------------------------|--------------------|-----------------|----------------|
| 40 | 2019-PPNP-210719-012A | 24.8 | 21.4 | 246.50 | 9.77 | 1.17 | 0.94 | 1.65 |
| 41 | 2019-PPNP-310719-010A | 27.0 | 21.0 | 247.50 | 6.18 | * | 2.74 | 1.34 |
| 42 | 2019-PPNP-070819-001A | 25.2 | 24.3 | 237.90 | 1.60 | 0.12 | 0.43 | 1.28 |
| 43 | 2019-PPNP-220719-001A | 25.6 | 24.1 | 249.60 | 2.77 | 0.80 | 5.98 | 1.21 |
| 44 | 2019-PPNP-220719-002A | 26.5 | 23.5 | 249.80 | 2.01 | 0.91 | 1.10 | 1.36 |
| 45 | 2019-PPNP-070819-002A | 24.6 | 24.8 | 253.00 | 3.61 | 0.80 | 7.29 | 1.18 |
| 46 | 2019-PPNP-070819-003A | 25.9 | 24.7 | 254.60 | 2.50 | 0.90 | 4.33 | 1.36 |
| 47 | 2019-PPNP-070819-004A | 25.1 | 24.7 | 252.70 | 2.20 | 0.95 | 1.74 | 1.31 |
| 48 | 2019-PPNP-070819-005A | 32.1 | 24.7 | 255.00 | 1.47 | 0.98 | 1.32 | 1.27 |
| 49 | 2019-PPNP-070819-006A | 28.1 | 24.5 | 254.70 | 0.75 | 0.96 | 1.13 | 1.19 |
| 50 | 2019-PPNP-220719-003A | 29.1 | 25.7 | 253.10 | 1.56 | 1.15 | 2.50 | 1.35 |
| 51 | 2019-PPNP-220719-005A | 26.2 | 25.8 | 250.40 | 1.10 | 0.61 | 0.77 | 1.74 |
| 52 | 2019-PPNP-220719-006A | 24.8 | 25.8 | 250.10 | 0.57 | 0.65 | 13.75 | 1.57 |
| 53 | 2019-PPNP-220719-007A | 26.1 | 25.6 | 257.50 | 1.30 | 0.61 | 3.04 | 1.61 |
| 54 | 2019-PPNP-230719-001A | 27.0 | 23.3 | 260.80 | 0.74 | 0.59 | 4.91 | 1.40 |
| 55 | 2019-PPNP-070819-007A | 31.5 | 23.7 | 253.40 | 0.82 | 0.67 | 3.96 | 1.43 |
| 56 | 2019-PPNP-230719-002A | 29.5 | 23.0 | 263.10 | 0.90 | 0.56 | 11.28 | 1.38 |
| 57 | 2019-PPNP-230719-003A | 25.6 | 23.1 | 260.20 | 1.46 | 1.04 | 3.91 | 1.47 |
| 58 | 2019-PPNP-070819-008A | 27.1 | 24.4 | 254.30 | 3.30 | 1.03 | 1.65 | 1.02 |
| 59 | 2019-PPNP-070819-009A | 28.3 | 24.6 | 250.20 | 3.05 | 0.99 | 0.89 | 1.31 |
| 60 | 2019-PPNP-070819-010A | 35.0 | 25.3 | 252.40 | 4.78 | 0.98 | 1.00 | 1.71 |
| 62 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 61 | 2019-PPNP-070819-011A | 31.5 | 24.9 | 247.30 | 3.90 | * | 2.36 | 1.42 |
| 63 | 2019-PPNP-230719-004A | 27.6 | 23.6 | 255.10 | 9.22 | 0.81 | 1.83 | 1.31 |
| 64 | 2019-PPNP-070819-012A | 30.1 | 25.2 | 259.10 | 5.51 | 1.03 | 4.55 | 1.51 |
| 65 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 66 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 67 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 68 | 2019-PPNP-230719-005A | 27.5 | 24.5 | 251.00 | 8.39 | * | 1.16 | 1.47 |
| 69 | 2019-PPNP-230719-006A | 26.2 | 24.5 | 251.00 | 8.56 | * | 1.47 | 1.51 |
| 70 | 2019-PPNP-230719-007A | 30.7 | 24.6 | 250.70 | 8.49 | * | 1.30 | 1.48 |
| 71 | 2019-PPNP-230719-008A | 28.5 | 24.7 | 251.60 | 8.53 | * | 1.45 | 1.62 |
| 72 | 2019-PPNP-230719-010A | 25.7 | 24.5 | 255.50 | 11.69 | * | 1.58 | 0.30 |
| 73 | 2019-PPNP-230719-011A | 31.5 | 21.8 | 270.90 | 3.82 | * | 0.47 | 1.25 |
| 74 | 2019-PPNP-230719-012A | 30.0 | 21.9 | 257.40 | 2.34 | * | 2.50 | 1.28 |
| 75 | 2019-PPNP-240719-001A | 27.8 | 23.7 | 245.60 | 9.75 | * | 6.11 | 1.45 |
| 76 | 2019-PPNP-240719-002A | 29.4 | 24.1 | 248.30 | 9.85 | * | 3.71 | 1.03 |
| 77 | 2019-PPNP-240719-003A | 30.7 | 22.9 | 252.90 | 9.37 | * | 0.89 | 1.13 |
| 78 | 2019-PPNP-240719-004A | 33.0 | 23.4 | 252.40 | 16.44 | * | 3.54 | 1.55 |
| 79 | 2019-PPNP-240719-005A | 30.5 | 22.7 | 291.90 | 5.48 | * | 0.66 | 1.02 |

| Site number | Field number | Air temp. (°C) | Water temp. (°C) | Conductivity (µS) | Dissolved oxygen (mg/L) | Turbidity tube (m) | Turbidity (NTU) | Mean depth (m) |
|-------------|-------------------------|----------------|------------------|-------------------|-------------------------|--------------------|-----------------|----------------|
| 80 | 2019-PPNP-240719-006A | 27.9 | 23.4 | 270.40 | 7.78 | * | 75.30 | 0.92 |
| 81 | 2019-PPNP-240719-007A | 28.4 | 24.3 | 263.30 | 10.70 | * | 11.72 | 0.89 |
| 82 | 2019-PPNP-240719-008A | 34.9 | 23.1 | 264.50 | 3.52 | * | 6.50 | 1.13 |
| 83 | 2019-PPNP-290719-001A | 32.6 | 26.8 | 258.70 | 5.75 | 0.97 | 1.45 | 1.24 |
| 84 | 2019-PPNP-290719-002A | 33.3 | 25.5 | 284.70 | 0.70 | 0.79 | 0.44 | 1.02 |
| 85 | 2019-PPNP-290719-003A | 34.7 | 25.4 | 286.10 | 1.34 | 0.63 | 4.80 | 1.16 |
| 86 | 2019-PPNP-290719-004A | 32.5 | 24.8 | 257.20 | 10.67 | 1.00 | 1.63 | 1.73 |
| 87 | 2019-PPNP-290719-005A | 33.5 | 23.7 | 246.80 | 8.42 | * | 0.62 | 1.36 |
| 88 | 2019-PPNP-290719-006A | 33.3 | 24.2 | 255.00 | 5.81 | 1.02 | 1.84 | 1.15 |
| 89 | 2019-PPNP-290719-007A | 34.7 | 25.0 | 249.70 | 5.12 | 1.05 | 0.10 | 1.54 |
| 90 | 2019-PPNP-290719-008A | 34.0 | 25.5 | 261.70 | 8.16 | 1.00 | 0.97 | 1.49 |
| 91 | 2019-PPNP-290719-009A | 34.9 | 26.3 | 264.00 | 8.36 | 1.10 | 1.07 | 1.65 |
| 92 | 2019-PPNP-290719-010A | 32.9 | 25.8 | 259.40 | 6.77 | 0.97 | 0.90 | 1.63 |
| 93 | 2019-PPNP-300719-001A | 33.1 | 24.0 | 253.60 | 1.74 | 0.35 | 2.16 | 0.84 |
| 94 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 95 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 96 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 97 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 98 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 99 | 2019-PPNP-300719-002A | 33.2 | 22.2 | 261.40 | 0.43 | 0.61 | 6.55 | 1.47 |
| 100 | 2019-PPNP-300719-003A | 31.2 | 23.6 | 259.60 | 0.32 | 0.42 | 4.72 | 1.63 |
| 101 | 2019-PPNP-300719-004A | 31.3 | 25.0 | 266.70 | 0.65 | 0.50 | 3.16 | 1.63 |
| 102 | 2019-PPNP-300719-005A | 29.6 | 25.5 | 257.40 | 2.16 | 0.63 | 10.00 | 1.88 |
| 103 | 2019-PPNP-300719-006A | 34.0 | 25.1 | 256.10 | 1.60 | 0.52 | 20.00 | 1.86 |
| 104 | 2019-PPNP-300719-007A | 30.0 | 23.5 | 233.60 | 0.43 | 1.03 | 2.05 | 1.48 |
| 105 | 2019-PPNP-300719-008A | 30.9 | 26.1 | 239.50 | 3.72 | 0.85 | 4.11 | 1.69 |
| 106 | 2019-PPNP-300719-009A | 31.2 | 27.5 | 253.10 | 6.92 | 0.80 | 8.35 | 1.57 |
| 107 | 2019-PPNP-300719-010A | * | 27.0 | 258.30 | 8.24 | 0.66 | 9.74 | 1.52 |
| 108 | Not Sampled in Period 2 | * | * | * | * | * | * | * |
| 109 | 2019-PPNP-220719-004A | 28.3 | 25.7 | 253.00 | 1.18 | 0.77 | 6.28 | 1.41 |
| 110 | 2019-PPNP-230719-009A | 28.7 | 24.4 | 257.10 | 8.41 | * | 1.61 | 0.59 |
| | Min | 24.6 | 21.0 | 232.80 | 0.32 | 0.12 | 0.10 | 0.30 |
| | Mean | 30.3 | 25.6 | 255.93 | 5.78 | 0.74 | 6.27 | 1.41 |
| | Max | 36.4 | 31.8 | 291.90 | 16.44 | 1.82 | 75.30 | 1.88 |

Table 7. Aquatic macrophyte classification from a) sample period one, and b) sample period two of the Point Pelee National Park fish community inventory in 2019. An asterisk (*) indicates the value was not measured.

a) Sample Period One

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|-----------------------|--------------|--------------|---------------|----------------|----------------|
| 1 | 2019-PPNP-090719-001A | 0 | 50 | 45 | 5 | Floating |
| 2 | 2019-PPNP-090719-002A | 0 | 60 | 10 | 30 | Floating |
| 3 | 2019-PPNP-180619-004A | 5 | 25 | 0 | 70 | Open Water |
| 4 | 2019-PPNP-090719-003A | 0 | 0 | 10 | 90 | Open Water |
| 5 | 2019-PPNP-090719-004A | 10 | 0 | 0 | 90 | Open Water |
| 6 | 2019-PPNP-090719-005A | 0 | 0 | 10 | 90 | Open Water |
| 7 | 2019-PPNP-090719-006A | 5 | 5 | 15 | 75 | Open Water |
| 8 | 2019-PPNP-180619-005A | 10 | 5 | 80 | 5 | Submerged |
| 9 | 2019-PPNP-090719-007A | 0 | 60 | 40 | 0 | Floating |
| 10 | 2019-PPNP-180619-006A | 5 | 10 | 10 | 75 | Open Water |
| 11 | 2019-PPNP-090719-009A | 0 | 40 | 10 | 50 | Open Water |
| 12 | 2019-PPNP-180619-007A | 0 | 40 | 30 | 30 | Floating |
| 13 | 2019-PPNP-090719-010A | 0 | 90 | 10 | 0 | Floating |
| 14 | 2019-PPNP-180619-008A | 5 | 80 | 15 | 0 | Floating |
| 15 | 2019-PPNP-190619-001A | 0 | 30 | 70 | 0 | Submerged |
| 16 | 2019-PPNP-190619-002A | 0 | 10 | 90 | 0 | Submerged |
| 17 | 2019-PPNP-190619-003A | * | * | * | * | Undetermined |
| 18 | 2019-PPNP-190619-004A | 30 | 20 | 30 | 20 | Emergent |
| 19 | 2019-PPNP-190619-005A | 0 | 20 | 80 | 0 | Submerged |
| 20 | 2019-PPNP-190619-006A | 0 | 10 | 70 | 20 | Submerged |
| 21 | 2019-PPNP-190619-007A | 0 | 10 | 90 | 0 | Submerged |
| 22 | 2019-PPNP-190619-008A | 0 | 0 | 5 | 95 | Open Water |
| 23 | 2019-PPNP-240619-001A | 0 | 0 | 0 | 100 | Open Water |
| 24 | 2019-PPNP-240619-002A | 0 | 0 | 0 | 100 | Open Water |
| 25 | 2019-PPNP-240619-003A | 0 | 0 | 0 | 100 | Open Water |
| 26 | 2019-PPNP-240619-004A | 0 | 20 | 30 | 50 | Open Water |
| 27 | 2019-PPNP-240619-005A | 0 | 0 | 20 | 80 | Open Water |

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|-----------------------|--------------|--------------|---------------|----------------|----------------|
| 28 | 2019-PPNP-240619-006A | 0 | 80 | 20 | 0 | Floating |
| 29 | 2019-PPNP-240619-007A | 0 | 80 | 15 | 5 | Floating |
| 30 | 2019-PPNP-240619-008A | 0 | 95 | 5 | 0 | Floating |
| 31 | 2019-PPNP-080719-010A | 0 | 25 | 60 | 15 | Submerged |
| 32 | 2019-PPNP-240619-009A | 0 | 10 | 50 | 40 | Submerged |
| 33 | 2019-PPNP-240619-010A | 5 | 0 | 0 | 95 | Open Water |
| 34 | 2019-PPNP-250619-001A | 0 | 5 | 40 | 55 | Open Water |
| 35 | 2019-PPNP-250619-002A | 5 | 10 | 10 | 75 | Open Water |
| 36 | 2019-PPNP-250619-003A | 5 | 60 | 10 | 25 | Floating |
| 37 | 2019-PPNP-250619-004A | 10 | 10 | 70 | 10 | Submerged |
| 38 | 2019-PPNP-250619-005A | 35 | 15 | 50 | 0 | Submerged |
| 39 | 2019-PPNP-250619-006A | 60 | 20 | 0 | 20 | Emergent |
| 40 | 2019-PPNP-250619-007A | 0 | 0 | 15 | 85 | Open Water |
| 41 | 2019-PPNP-250619-008A | 0 | 20 | 30 | 50 | Open Water |
| 42 | 2019-PPNP-250619-009A | 0 | 5 | 15 | 80 | Open Water |
| 43 | 2019-PPNP-250619-010A | 0 | 0 | 10 | 90 | Open Water |
| 44 | 2019-PPNP-100719-001A | 0 | 0 | 0 | 100 | Open Water |
| 45 | 2019-PPNP-260619-001A | 20 | 10 | 40 | 30 | Submerged |
| 46 | 2019-PPNP-100719-002A | 0 | 30 | 20 | 50 | Open Water |
| 47 | 2019-PPNP-260619-002A | 0 | 30 | 20 | 50 | Open Water |
| 48 | 2019-PPNP-100719-003A | 20 | 0 | 20 | 60 | Open Water |
| 49 | 2019-PPNP-260619-003A | 0 | 0 | 0 | 100 | Open Water |
| 50 | 2019-PPNP-100719-004A | 0 | 5 | 0 | 95 | Open Water |
| 51 | 2019-PPNP-260619-004A | 0 | 5 | 70 | 25 | Submerged |
| 52 | 2019-PPNP-100719-005A | 0 | 5 | 5 | 90 | Open Water |
| 53 | 2019-PPNP-260619-005A | 0 | 0 | 0 | 100 | Open Water |
| 54 | 2019-PPNP-100719-006A | 0 | 10 | 90 | 0 | Submerged |
| 55 | 2019-PPNP-260619-006A | 0 | 60 | 10 | 30 | Floating |
| 56 | 2019-PPNP-100719-007A | 0 | 20 | 20 | 60 | Open Water |
| 57 | 2019-PPNP-260619-007A | 0 | 5 | 85 | 10 | Submerged |
| 58 | 2019-PPNP-100719-008A | 0 | 50 | 30 | 20 | Floating |

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|--------------------------------|--------------|--------------|---------------|----------------|----------------|
| 59 | 2019-PPNP-260619-008A | 0 | 5 | 95 | 0 | Submerged |
| 60 | 2019-PPNP-100719-009A | 0 | 15 | 80 | 5 | Submerged |
| 61 | 2019-PPNP-260619-009A | 0 | 95 | 5 | 0 | Floating |
| 62 | 2019-PPNP-100719-010A | 0 | 90 | 10 | 0 | Floating |
| 63 | 2019-PPNP-260619-010A | 0 | 45 | 45 | 10 | Submerged |
| 64 | 2019-PPNP-020719-001A | 0 | 80 | 10 | 10 | Floating |
| 65 | 2019-PPNP-020719-002A | 0 | 95 | 5 | 0 | Floating |
| 66 | 2019-PPNP-020719-003A | 0 | 10 | 60 | 30 | Submerged |
| 67 | 2019-PPNP-020719-004A | 0 | 10 | 90 | 0 | Submerged |
| 68 | 2019-PPNP-020719-005A | 0 | 0 | 80 | 20 | Submerged |
| 69 | 2019-PPNP-020719-006A | 0 | 0 | 80 | 20 | Submerged |
| 70 | <i>No Sampled in Period 1</i> | * | * | * | * | * |
| 71 | 2019-PPNP-020719-007A | 5 | 0 | 80 | 15 | Submerged |
| 72 | 2019-PPNP-020719-008A | 0 | 0 | 20 | 80 | Open Water |
| 73 | 2019-PPNP-170619-001A | 10 | 5 | 20 | 65 | Open Water |
| 74 | 2019-PPNP-020719-009A | 0 | 40 | 10 | 50 | Open Water |
| 75 | 2019-PPNP-020719-010A | 40 | 5 | 20 | 35 | Emergent |
| 76 | 2019-PPNP-030719-001A | 0 | 20 | 0 | 80 | Open Water |
| 77 | <i>Not Sampled in Period 1</i> | * | * | * | * | * |
| 78 | 2019-PPNP-170619-002A | 5 | 0 | 35 | 60 | Submerged |
| 79 | 2019-PPNP-030719-002A | 0 | 0 | 100 | 0 | Submerged |
| 80 | 2019-PPNP-170619-003A | 0 | 10 | 90 | 0 | Submerged |
| 81 | 2019-PPNP-030719-003A | 5 | 5 | 95 | 0 | Submerged |
| 82 | 2019-PPNP-170619-004A | 0 | 5 | 50 | 45 | Open Water |
| 83 | 2019-PPNP-030719-004A | 0 | 10 | 10 | 80 | Open Water |
| 84 | 2019-PPNP-030719-005A | 0 | 0 | 10 | 90 | Open Water |
| 85 | 2019-PPNP-170619-005A | 0 | 10 | 0 | 90 | Open Water |
| 86 | 2019-PPNP-030719-006A | 0 | 60 | 10 | 30 | Floating |
| 87 | 2019-PPNP-030719-007A | 0 | 80 | 5 | 15 | Floating |
| 88 | 2019-PPNP-170619-006A | 0 | 50 | 10 | 40 | Floating |
| 89 | 2019-PPNP-030719-008A | 0 | 90 | 5 | 5 | Floating |

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|--------------------------------|--------------|--------------|---------------|----------------|----------------|
| 90 | 2019-PPNP-030719-009A | 0 | 50 | 30 | 20 | Open Water |
| 91 | 2019-PPNP-030719-010A | 0 | 15 | 15 | 70 | Submerged |
| 92 | 2019-PPNP-080719-001A | 10 | 30 | 50 | 10 | Floating |
| 93 | 2019-PPNP-080719-002A | 5 | 55 | 30 | 10 | Floating |
| 94 | 2019-PPNP-080719-003A | 0 | 40 | 30 | 30 | Floating |
| 95 | 2019-PPNP-170619-007A | 10 | 50 | 30 | 10 | Floating |
| 96 | 2019-PPNP-170619-008A | 0 | 50 | 0 | 50 | Floating |
| 97 | 2019-PPNP-170619-009A | 0 | 50 | 20 | 30 | Floating |
| 98 | 2019-PPNP-170619-010A | 0 | 70 | 10 | 20 | Submerged |
| 99 | 2019-PPNP-080719-004A | 0 | 40 | 50 | 10 | Floating |
| 100 | 2019-PPNP-080719-005A | 0 | 40 | 20 | 40 | Floating |
| 101 | 2019-PPNP-180619-001A | 0 | 70 | 20 | 10 | Open Water |
| 102 | 2019-PPNP-080719-006A | 0 | 5 | 20 | 75 | Submerged |
| 103 | 2019-PPNP-180619-002A | 0 | 25 | 75 | 0 | Open Water |
| 104 | 2019-PPNP-080719-007A | 0 | 15 | 10 | 75 | Open Water |
| 105 | 2019-PPNP-180619-003A | 10 | 0 | 0 | 90 | Open Water |
| 106 | 2019-PPNP-080719-008A | 0 | 0 | 0 | 100 | Open Water |
| 107 | 2019-PPNP-080719-009A | 0 | 10 | 20 | 70 | Open Water |
| 108 | 2019-PPNP-090719-008A | 0 | 10 | 30 | 60 | * |
| 109 | <i>Not Sampled in Period 1</i> | * | * | * | ** | ** |
| 110 | <i>Not Sampled in Period 1</i> | * | * | * | ** | ** |
| | Min | 0.00 | 0.00 | 0.00 | 0.00 | - |
| | Mean | 3.14 | 25.81 | 30.19 | 40.90 | - |
| | Max | 60.00 | 95.00 | 100.00 | 100.00 | - |

b) Sample Period Two

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|--------------------------------|--------------|--------------|---------------|----------------|----------------|
| 1 | 2019-PPNP-310719-001A | 5 | 80 | 5 | 10 | Floating |
| 2 | <i>Not Sampled in Period 2</i> | * | * | * | ** | ** |
| 3 | 2019-PPNP-190719-001A | 0 | 0 | 30 | 70 | Open Water |
| 4 | 2019-PPNP-310719-002A | 0 | 5 | 40 | 55 | Open Water |

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|-----------------------|--------------|--------------|---------------|----------------|----------------|
| 5 | 2019-PPNP-310719-003A | 10 | 0 | 45 | 45 | Submerged |
| 6 | 2019-PPNP-310719-004A | 5 | 0 | 15 | 80 | Open Water |
| 7 | 2019-PPNP-310719-005A | 5 | 0 | 5 | 90 | Open Water |
| 8 | 2019-PPNP-190719-002A | 5 | 15 | 50 | 30 | Submerged |
| 9 | 2019-PPNP-310719-006A | 0 | 50 | 10 | 40 | Floating |
| 10 | 2019-PPNP-190719-003A | 0 | 40 | 10 | 40 | Open Water |
| 11 | 2019-PPNP-310719-007A | 0 | 80 | 15 | 5 | Floating |
| 12 | 2019-PPNP-190719-004A | 0 | 80 | 15 | 5 | Floating |
| 13 | 2019-PPNP-310719-008A | 0 | 90 | 10 | 0 | Floating |
| 14 | 2019-PPNP-190719-005A | 0 | 70 | 30 | 0 | Floating |
| 15 | 2019-PPNP-200719-001A | 0 | 90 | 10 | 0 | Floating |
| 16 | 2019-PPNP-200719-002A | 0 | 80 | 20 | 0 | Floating |
| 17 | 2019-PPNP-200719-003A | 0 | 60 | 10 | 30 | Floating |
| 18 | 2019-PPNP-200719-004A | 0 | 50 | 50 | 0 | Floating |
| 19 | 2019-PPNP-200719-005A | 0 | 60 | 40 | 0 | Floating |
| 20 | 2019-PPNP-200719-006A | 0 | 40 | 50 | 10 | Submerged |
| 21 | 2019-PPNP-200719-007A | 0 | 30 | 60 | 10 | Submerged |
| 22 | 2019-PPNP-200719-008A | 0 | 30 | 0 | 70 | Open Water |
| 23 | 2019-PPNP-190719-006A | 0 | 0 | 5 | 95 | Open Water |
| 24 | 2019-PPNP-190719-007A | 0 | 0 | 10 | 90 | Open Water |
| 25 | 2019-PPNP-190719-008A | 0 | 5 | 10 | 85 | Open Water |
| 26 | 2019-PPNP-190719-009A | 0 | 0 | 10 | 90 | Open Water |
| 27 | 2019-PPNP-190719-010A | 0 | 75 | 25 | 0 | Floating |
| 28 | 2019-PPNP-210719-001A | 0 | 75 | 15 | 10 | Floating |
| 29 | 2019-PPNP-210719-002A | 0 | 75 | 20 | 5 | Floating |
| 30 | 2019-PPNP-210719-003A | 0 | 70 | 30 | 0 | Floating |
| 31 | 2019-PPNP-310719-009A | 0 | 20 | 80 | 0 | Submerged |
| 32 | 2019-PPNP-210719-004A | 5 | 0 | 5 | 90 | Open Water |
| 33 | 2019-PPNP-210719-005A | 10 | 0 | 40 | 50 | Open Water |
| 34 | 2019-PPNP-210719-006A | 5 | 40 | 20 | 35 | Floating |
| 35 | 2019-PPNP-210719-007A | 30 | 30 | 30 | 10 | Submerged |

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|-------------------------|--------------|--------------|---------------|----------------|----------------|
| 36 | 2019-PPNP-210719-008A | 5 | 0 | 10 | 85 | Open Water |
| 37 | 2019-PPNP-210719-009A | 5 | 60 | 20 | 15 | Floating |
| 38 | 2019-PPNP-210719-010A | 50 | 20 | 15 | 5 | Emergent |
| 39 | 2019-PPNP-210719-011A | 0 | 40 | 0 | 60 | Open Water |
| 40 | 2019-PPNP-210719-012A | 0 | 50 | 0 | 50 | Open Water |
| 41 | 2019-PPNP-310719-010A | 0 | 0 | 10 | 90 | Open Water |
| 42 | 2019-PPNP-070819-001A | 0 | 0 | 0 | 100 | Open Water |
| 43 | 2019-PPNP-220719-001A | 0 | 0 | 10 | 90 | Open Water |
| 44 | 2019-PPNP-220719-002A | 25 | 5 | 5 | 65 | Open Water |
| 45 | 2019-PPNP-070819-002A | 0 | 40 | 5 | 55 | Open Water |
| 46 | 2019-PPNP-070819-003A | 0 | 0 | 30 | 70 | Open Water |
| 47 | 2019-PPNP-070819-004A | 0 | 50 | 35 | 15 | Floating |
| 48 | 2019-PPNP-070819-005A | 5 | 5 | 0 | 90 | Open Water |
| 49 | 2019-PPNP-070819-006A | 0 | 60 | 0 | 40 | Floating |
| 50 | 2019-PPNP-220719-003A | 0 | 0 | 0 | 100 | Open Water |
| 51 | 2019-PPNP-220719-005A | 0 | 0 | 10 | 90 | Open Water |
| 52 | 2019-PPNP-220719-006A | 0 | 5 | 10 | 85 | Open Water |
| 53 | 2019-PPNP-220719-007A | 0 | 0 | 10 | 90 | Open Water |
| 54 | 2019-PPNP-230719-001A | 5 | 0 | 15 | 80 | Open Water |
| 55 | 2019-PPNP-070819-007A | 0 | 20 | 5 | 75 | Open Water |
| 56 | 2019-PPNP-230719-002A | 0 | 60 | 30 | 10 | Floating |
| 57 | 2019-PPNP-230719-003A | 0 | 50 | 50 | 0 | Submerged |
| 58 | 2019-PPNP-070819-008A | 0 | 5 | 90 | 5 | Submerged |
| 59 | 2019-PPNP-070819-009A | 5 | 15 | 5 | 75 | Open Water |
| 60 | 2019-PPNP-070819-010A | 0 | 95 | 5 | 0 | Floating |
| 61 | 2019-PPNP-070819-011A | 0 | 80 | 20 | 0 | Floating |
| 62 | Not Sampled in Period 2 | * | * | * | * | * |
| 63 | 2019-PPNP-230719-004A | 0 | 95 | 5 | 0 | Floating |
| 64 | 2019-PPNP-070819-012A | 0 | 95 | 5 | 0 | Floating |
| 65 | Not Sampled in Period 2 | * | * | * | * | - |
| 66 | Not Sampled in Period 2 | * | * | * | * | * |

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|-------------------------|--------------|--------------|---------------|----------------|----------------|
| 67 | Not Sampled in Period 2 | * | * | * | * | * |
| 68 | 2019-PPNP-230719-005A | 0 | 0 | 0 | 80 | Open Water |
| 69 | 2019-PPNP-230719-006A | 0 | 0 | 10 | 90 | Open Water |
| 70 | 2019-PPNP-230719-007A | 0 | 0 | 0 | 100 | Open Water |
| 71 | 2019-PPNP-230719-008A | 0 | 10 | 30 | 60 | Open Water |
| 72 | 2019-PPNP-230719-010A | 0 | 0 | 20 | 80 | Open Water |
| 73 | 2019-PPNP-230719-011A | 0 | 0 | 15 | 85 | Open Water |
| 74 | 2019-PPNP-230719-012A | 0 | 0 | 5 | 95 | Open Water |
| 75 | 2019-PPNP-240719-001A | 0 | 70 | 0 | 30 | Floating |
| 76 | 2019-PPNP-240719-002A | 0 | 15 | 5 | 80 | Open Water |
| 77 | 2019-PPNP-240719-003A | 0 | 25 | 60 | 15 | Submerged |
| 78 | 2019-PPNP-240719-004A | 0 | 0 | 100 | 0 | Submerged |
| 79 | 2019-PPNP-240719-005A | 0 | 5 | 70 | 25 | Submerged |
| 80 | 2019-PPNP-240719-006A | 10 | 0 | 90 | 0 | Submerged |
| 81 | 2019-PPNP-240719-007A | 10 | 5 | 85 | 0 | Submerged |
| 82 | 2019-PPNP-240719-008A | 0 | 10 | 70 | 20 | Submerged |
| 83 | 2019-PPNP-290719-001A | 0 | 0 | 75 | 25 | Submerged |
| 84 | 2019-PPNP-290719-002A | 0 | 15 | 0 | 85 | Open Water |
| 85 | 2019-PPNP-290719-003A | 0 | 70 | 25 | 5 | Floating |
| 86 | 2019-PPNP-290719-004A | 0 | 75 | 20 | 5 | Floating |
| 87 | 2019-PPNP-290719-005A | 0 | 90 | 5 | 5 | Floating |
| 88 | 2019-PPNP-290719-006A | 0 | 70 | 25 | 5 | Floating |
| 89 | 2019-PPNP-290719-007A | 0 | 60 | 30 | 10 | Floating |
| 90 | 2019-PPNP-290719-008A | 0 | 80 | 10 | 10 | Floating |
| 91 | 2019-PPNP-290719-009A | 0 | 60 | 15 | 25 | Floating |
| 92 | 2019-PPNP-290719-010A | 10 | 30 | 50 | 10 | Submerged |
| 93 | 2019-PPNP-300719-001A | 10 | 10 | 60 | 20 | Submerged |
| 94 | Not Sampled in Period 2 | * | * | * | * | * |
| 95 | Not Sampled in Period 2 | * | * | * | * | * |
| 96 | Not Sampled in Period 2 | * | * | * | * | * |
| 97 | Not Sampled in Period 2 | * | * | * | * | * |

| Site number | Field number | Emergent (%) | Floating (%) | Submerged (%) | Open water (%) | Dominant class |
|-------------|-------------------------|--------------|--------------|---------------|----------------|----------------|
| 98 | Not Sampled in Period 2 | * | * | * | * | * |
| 99 | 2019-PPNP-300719-002A | 80 | 10 | 10 | 0 | Emergent |
| 100 | 2019-PPNP-300719-003A | 0 | 20 | 80 | 0 | Submerged |
| 101 | 2019-PPNP-300719-004A | 0 | 40 | 20 | 40 | Floating |
| 102 | 2019-PPNP-300719-005A | 0 | 35 | 60 | 5 | Submerged |
| 103 | 2019-PPNP-300719-006A | 0 | 30 | 60 | 10 | Submerged |
| 104 | 2019-PPNP-300719-007A | 0 | 40 | 20 | 40 | Floating |
| 105 | 2019-PPNP-300719-008A | 10 | 0 | 0 | 90 | Open Water |
| 106 | 2019-PPNP-300719-009A | 0 | 0 | 10 | 90 | Open Water |
| 107 | 2019-PPNP-300719-010A | 0 | 0 | 25 | 75 | Open Water |
| 108 | Not Sampled in Period 2 | * | * | * | * | * |
| 109 | 2019-PPNP-220719-004A | 0 | 5 | 0 | 95 | Open Water |
| 110 | 2019-PPNP-230719-009A | 0 | 50 | 50 | 0 | Submerged |
| | Min | 0.00 | 0.00 | 0.00 | 0.00 | - |
| | Mean | 3.13 | 17.32 | 28.03 | 35.58 | - |
| | Max | 80.00 | 95.00 | 100.00 | 100.00 | - |

Table 8. Aquatic macrophyte composition from a) sample period one, and b) sample period two of the Point Pelee National Park fish community inventory in 2019. An asterisk (*) indicates the value was not measured.

a) Sample Period One

| Site number | Field number | Algae. | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Elodea</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lemnoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation | |
|-------------|-----------------------|--------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|-------------------|
| 1 | 2019-PPNP-090719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 2 | 2019-PPNP-090719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 3 | 2019-PPNP-180619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 4 | 2019-PPNP-090719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Undetermined | |
| 5 | 2019-PPNP-090719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Phragmites</i> sp. | |
| 6 | 2019-PPNP-090719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 7 | 2019-PPNP-090719-006A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 8 | 2019-PPNP-180619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. | |
| 9 | 2019-PPNP-090719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 10 | 2019-PPNP-180619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 11 | 2019-PPNP-090719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 12 | 2019-PPNP-180619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 13 | 2019-PPNP-090719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. | |
| 14 | 2019-PPNP-180619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 15 | 2019-PPNP-190619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | <i>Potamogeton</i> sp. | |
| 16 | 2019-PPNP-190619-002A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Poaceae</i> sp. | |
| 17 | 2019-PPNP-190619-003A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 18 | 2019-PPNP-190619-004A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Poaceae</i> sp. | |
| 19 | 2019-PPNP-190619-005A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Algae | |
| 20 | 2019-PPNP-190619-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. | |
| 21 | 2019-PPNP-190619-007A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. | |

| Site number | Field number | Algae. | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Elodea</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lemnoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation |
|-------------|-----------------------|--------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|
| 22 | 2019-PPNP-190619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. |
| 23 | 2019-PPNP-240619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined |
| 24 | 2019-PPNP-240619-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined |
| 25 | 2019-PPNP-240619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined |
| 26 | 2019-PPNP-240619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |
| 27 | 2019-PPNP-240619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |
| 28 | 2019-PPNP-240619-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nymphaea</i> sp. |
| 29 | 2019-PPNP-240619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nymphaea</i> sp. |
| 30 | 2019-PPNP-240619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Nymphaea</i> sp. |
| 31 | 2019-PPNP-080719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Undetermined |
| 32 | 2019-PPNP-240619-009A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |
| 33 | 2019-PPNP-240619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Phragmites</i> sp. |
| 34 | 2019-PPNP-250619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. |
| 35 | 2019-PPNP-250619-002A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 36 | 2019-PPNP-250619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 37 | 2019-PPNP-250619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |
| 38 | 2019-PPNP-250619-005A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Phragmites</i> sp. |
| 39 | 2019-PPNP-250619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. |
| 40 | 2019-PPNP-250619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Phragmites</i> sp. |
| 41 | 2019-PPNP-250619-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Phragmites</i> sp. |
| 42 | 2019-PPNP-250619-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. |
| 43 | 2019-PPNP-250619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | <i>Potamogeton</i> sp. |
| 44 | 2019-PPNP-100719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined |
| 45 | 2019-PPNP-260619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. |
| 46 | 2019-PPNP-100719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Lemna</i> sp. |

| Site number | Field number | Algae. | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Elodea</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lemnoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation | |
|-------------|--------------------------------|--------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|---|
| 47 | 2019-PPNP-260619-002A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Potamogeton</i> sp. | |
| 48 | 2019-PPNP-100719-003A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 49 | 2019-PPNP-260619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Typha</i> sp. | |
| 50 | 2019-PPNP-100719-004A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 51 | 2019-PPNP-260619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 52 | 2019-PPNP-100719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. | |
| 53 | 2019-PPNP-260619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Undetermined | |
| 54 | 2019-PPNP-100719-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Potamogeton</i> sp. | |
| 55 | 2019-PPNP-260619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 56 | 2019-PPNP-100719-007A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 57 | 2019-PPNP-260619-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 58 | 2019-PPNP-100719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Lemna</i> sp. | |
| 59 | 2019-PPNP-260619-008A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 60 | 2019-PPNP-100719-009A | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Potamogeton</i> sp. | |
| 61 | 2019-PPNP-260619-009A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 62 | 2019-PPNP-100719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 63 | 2019-PPNP-260619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 64 | 2019-PPNP-020719-001A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 65 | 2019-PPNP-020719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 66 | 2019-PPNP-020719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Potamogeton</i> sp. | |
| 67 | 2019-PPNP-020719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Utricularia</i> sp. | |
| 68 | 2019-PPNP-020719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 69 | 2019-PPNP-020719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 70 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 71 | 2019-PPNP-020719-007A | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | Algae | |

| Site number | Field number | Algae. | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Elodea</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lemnoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation | |
|-------------|-------------------------|--------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|---|
| 72 | 2019-PPNP-020719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | <i>Myriophyllum</i> sp. | |
| 73 | 2019-PPNP-170619-001A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 74 | 2019-PPNP-020719-009A | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. | |
| 75 | 2019-PPNP-020719-010A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 76 | 2019-PPNP-030719-001A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 77 | Not Sampled in Period 1 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 78 | 2019-PPNP-170619-002A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 79 | 2019-PPNP-030719-002A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Algae | |
| 80 | 2019-PPNP-170619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | <i>Utricularia</i> sp. | |
| 81 | 2019-PPNP-030719-003A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Algae | |
| 82 | 2019-PPNP-170619-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 83 | 2019-PPNP-030719-004A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 84 | 2019-PPNP-030719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. | |
| 85 | 2019-PPNP-170619-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. | |
| 86 | 2019-PPNP-030719-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 87 | 2019-PPNP-030719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 88 | 2019-PPNP-170619-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 89 | 2019-PPNP-030719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 90 | 2019-PPNP-030719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 91 | 2019-PPNP-030719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 92 | 2019-PPNP-080719-001A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 93 | 2019-PPNP-080719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined | |
| 94 | 2019-PPNP-080719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined | |
| 95 | 2019-PPNP-170619-007A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 96 | 2019-PPNP-170619-008A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |

| Site number | Field number | Algae. | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Elodea</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lemnoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation | |
|-------------|--------------------------------|-----------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|-------------------------|
| 97 | 2019-PPNP-170619-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. |
| 98 | 2019-PPNP-170619-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. |
| 99 | 2019-PPNP-080719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. | |
| 100 | 2019-PPNP-080719-005A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Lemna</i> sp. |
| 101 | 2019-PPNP-180619-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. | |
| 102 | 2019-PPNP-080719-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. |
| 103 | 2019-PPNP-180619-002A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. |
| 104 | 2019-PPNP-080719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. |
| 105 | 2019-PPNP-180619-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Undetermined |
| 106 | 2019-PPNP-080719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Undetermined |
| 107 | 2019-PPNP-080719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. | |
| 108 | 2019-PPNP-090719-008A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 109 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 110 | <i>Not Sampled in Period 1</i> | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Total | 25 | 2 | 4 | 2 | 4 | 2 | 3 | 11 | 32 | 1 | 12 | 6 | 39 | 2 | 56 | 24 | 18 | 4 | 2 | 53 | 1 | 2 | 55 | 24 | | |

b) Sample Period Two

| Site number | Field number | Algae | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Elodea</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lemnoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation |
|-------------|-------------------------|-------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|
| 1 | 2019-PPNP-310719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 2 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | 2019-PPNP-190719-001A | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. |
| 4 | 2019-PPNP-310719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 5 | 2019-PPNP-310719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. |
| 6 | 2019-PPNP-310719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |
| 7 | 2019-PPNP-310719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |
| 8 | 2019-PPNP-190719-002A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | <i>Utricularia</i> sp. |
| 9 | 2019-PPNP-310719-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 10 | 2019-PPNP-190719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 11 | 2019-PPNP-310719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 12 | 2019-PPNP-190719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar</i> sp. |
| 13 | 2019-PPNP-310719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. |
| 14 | 2019-PPNP-190719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. |
| 15 | 2019-PPNP-200719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 16 | 2019-PPNP-200719-002A | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. |
| 17 | 2019-PPNP-200719-003A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 18 | 2019-PPNP-200719-004A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nymphaea</i> sp. |
| 19 | 2019-PPNP-200719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Nymphaea</i> sp. |
| 20 | 2019-PPNP-200719-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Myriophyllum</i> sp. |
| 21 | 2019-PPNP-200719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. |
| 22 | 2019-PPNP-200719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. |
| 23 | 2019-PPNP-190719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |
| 24 | 2019-PPNP-190719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. |

| Site number | Field number | Algae | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Eloдея</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lennoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation | |
|-------------|-----------------------|-------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|--------------|
| 25 | 2019-PPNP-190719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 26 | 2019-PPNP-190719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 27 | 2019-PPNP-190719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nymphaea</i> sp. | |
| 28 | 2019-PPNP-210719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nymphaea</i> sp. | |
| 29 | 2019-PPNP-210719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nymphaea</i> sp. | |
| 30 | 2019-PPNP-210719-003A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 31 | 2019-PPNP-310719-009A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 32 | 2019-PPNP-210719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 33 | 2019-PPNP-210719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 34 | 2019-PPNP-210719-006A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 35 | 2019-PPNP-210719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 36 | 2019-PPNP-210719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 37 | 2019-PPNP-210719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Undetermined | |
| 38 | 2019-PPNP-210719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Phragmites</i> sp. | |
| 39 | 2019-PPNP-210719-011A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. | |
| 40 | 2019-PPNP-210719-012A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Phragmites</i> sp. | |
| 41 | 2019-PPNP-310719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined |
| 42 | 2019-PPNP-070819-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined |
| 43 | 2019-PPNP-220719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 44 | 2019-PPNP-220719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. | |
| 45 | 2019-PPNP-070819-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 46 | 2019-PPNP-070819-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 47 | 2019-PPNP-070819-004A | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. | |
| 48 | 2019-PPNP-070819-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | <i>Typha</i> sp. | |
| 49 | 2019-PPNP-070819-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |

| Site number | Field number | Algae | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex sp.</i> | <i>Ceratophyllum sp.</i> | <i>Chara sp.</i> | <i>Decodon verticillatus</i> | <i>Eloдея sp.</i> | <i>Hibiscus sp.</i> | <i>Hydrocharis sp.</i> | <i>Justicia americana</i> | <i>Lennoideae sp.</i> | <i>Myriophyllum sp.</i> | <i>Nelumbo sp.</i> | <i>Nuphar sp.</i> | <i>Nymphaea sp.</i> | <i>Phragmites sp.</i> | <i>Poaceae sp.</i> | <i>Pontederia sp.</i> | <i>Potamogeton sp.</i> | <i>Sagittaria sp.</i> | <i>Salix sp.</i> | <i>Typha sp.</i> | <i>Utricularia sp.</i> | Dominant vegetation | | |
|-------------|-------------------------|-------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|---------------------|-------------------------|---|
| 50 | 2019-PPNP-220719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | Undetermined | | |
| 51 | 2019-PPNP-220719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum sp.</i> | |
| 52 | 2019-PPNP-220719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Potamogeton sp.</i> | |
| 53 | 2019-PPNP-220719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | <i>Potamogeton sp.</i> | |
| 54 | 2019-PPNP-230719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | <i>Potamogeton sp.</i> | |
| 55 | 2019-PPNP-070819-007A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar sp.</i> | |
| 56 | 2019-PPNP-230719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Nuphar sp.</i> | |
| 57 | 2019-PPNP-230719-003A | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | <i>Potamogeton sp.</i> | |
| 58 | 2019-PPNP-070819-008A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | <i>Potamogeton sp.</i> | |
| 59 | 2019-PPNP-070819-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | <i>Nuphar sp.</i> | |
| 60 | 2019-PPNP-070819-010A | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | <i>Nuphar sp.</i> | |
| 61 | 2019-PPNP-070819-011A | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | <i>Nuphar sp.</i> | |
| 62 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 63 | 2019-PPNP-230719-004A | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | <i>Nuphar sp.</i> | |
| 64 | 2019-PPNP-070819-012A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | <i>Nuphar sp.</i> | |
| 65 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 66 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 67 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 68 | 2019-PPNP-230719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Typha sp.</i> | |
| 69 | 2019-PPNP-230719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | <i>Myriophyllum sp.</i> | |
| 70 | 2019-PPNP-230719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Undetermined | |
| 71 | 2019-PPNP-230719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum sp.</i> | |
| 72 | 2019-PPNP-230719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Potamogeton sp.</i> | |
| 73 | 2019-PPNP-230719-011A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Potamogeton sp.</i> | |
| 74 | 2019-PPNP-230719-012A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Potamogeton sp.</i> | |

| Site number | Field number | Algae | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Eloдея</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lennoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation |
|-------------|-------------------------|-------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|-------------------------|---------------------|
| 75 | 2019-PPNP-240719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 76 | 2019-PPNP-240719-002A | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | <i>Nuphar</i> sp. | |
| 77 | 2019-PPNP-240719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Potamogeton</i> sp. | |
| 78 | 2019-PPNP-240719-004A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Algae | |
| 79 | 2019-PPNP-240719-005A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 80 | 2019-PPNP-240719-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 81 | 2019-PPNP-240719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | <i>Myriophyllum</i> sp. | |
| 82 | 2019-PPNP-240719-008A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 83 | 2019-PPNP-290719-001A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 84 | 2019-PPNP-290719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 85 | 2019-PPNP-290719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | <i>Utricularia</i> sp. | |
| 86 | 2019-PPNP-290719-004A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 87 | 2019-PPNP-290719-005A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 88 | 2019-PPNP-290719-006A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 89 | 2019-PPNP-290719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 90 | 2019-PPNP-290719-008A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 91 | 2019-PPNP-290719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | <i>Nuphar</i> sp. | |
| 92 | 2019-PPNP-290719-010A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. | |
| 93 | 2019-PPNP-300719-001A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | <i>Potamogeton</i> sp. | |
| 94 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 95 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 96 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 97 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 98 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 99 | 2019-PPNP-300719-002A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | <i>Poaceae</i> sp. | |

| Site number | Field number | Algae | <i>Asclepias incarnata</i> | <i>Brasenia schreberi</i> | <i>Carex</i> sp. | <i>Ceratophyllum</i> sp. | <i>Chara</i> sp. | <i>Decodon verticillatus</i> | <i>Elodea</i> sp. | <i>Hibiscus</i> sp. | <i>Hydrocharis</i> sp. | <i>Justicia americana</i> | <i>Lennoideae</i> sp. | <i>Myriophyllum</i> sp. | <i>Nelumbo</i> sp. | <i>Nuphar</i> sp. | <i>Nymphaea</i> sp. | <i>Phragmites</i> sp. | <i>Poaceae</i> sp. | <i>Pontederia</i> sp. | <i>Potamogeton</i> sp. | <i>Sagittaria</i> sp. | <i>Salix</i> sp. | <i>Typha</i> sp. | <i>Utricularia</i> sp. | Dominant vegetation |
|--------------|-------------------------|-----------|----------------------------|---------------------------|------------------|--------------------------|------------------|------------------------------|-------------------|---------------------|------------------------|---------------------------|-----------------------|-------------------------|--------------------|-------------------|---------------------|-----------------------|--------------------|-----------------------|------------------------|-----------------------|------------------|------------------|------------------------|-------------------------|
| 100 | 2019-PPNP-300719-003A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. |
| 101 | 2019-PPNP-300719-004A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | <i>Nymphaea</i> sp. |
| 102 | 2019-PPNP-300719-005A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. |
| 103 | 2019-PPNP-300719-006A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. |
| 104 | 2019-PPNP-300719-007A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. |
| 105 | 2019-PPNP-300719-008A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Carex</i> sp. |
| 106 | 2019-PPNP-300719-009A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. |
| 107 | 2019-PPNP-300719-010A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Potamogeton</i> sp. |
| 108 | Not Sampled in Period 2 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 109 | 2019-PPNP-220719-004A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | <i>Nuphar</i> sp. |
| 110 | 2019-PPNP-230719-009A | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <i>Myriophyllum</i> sp. |
| Total | | 22 | 3 | 1 | 2 | 4 | 1 | 8 | 11 | 30 | 1 | 15 | 3 | 39 | 2 | 54 | 25 | 18 | 4 | 4 | 58 | 0 | 2 | 55 | 17 | |

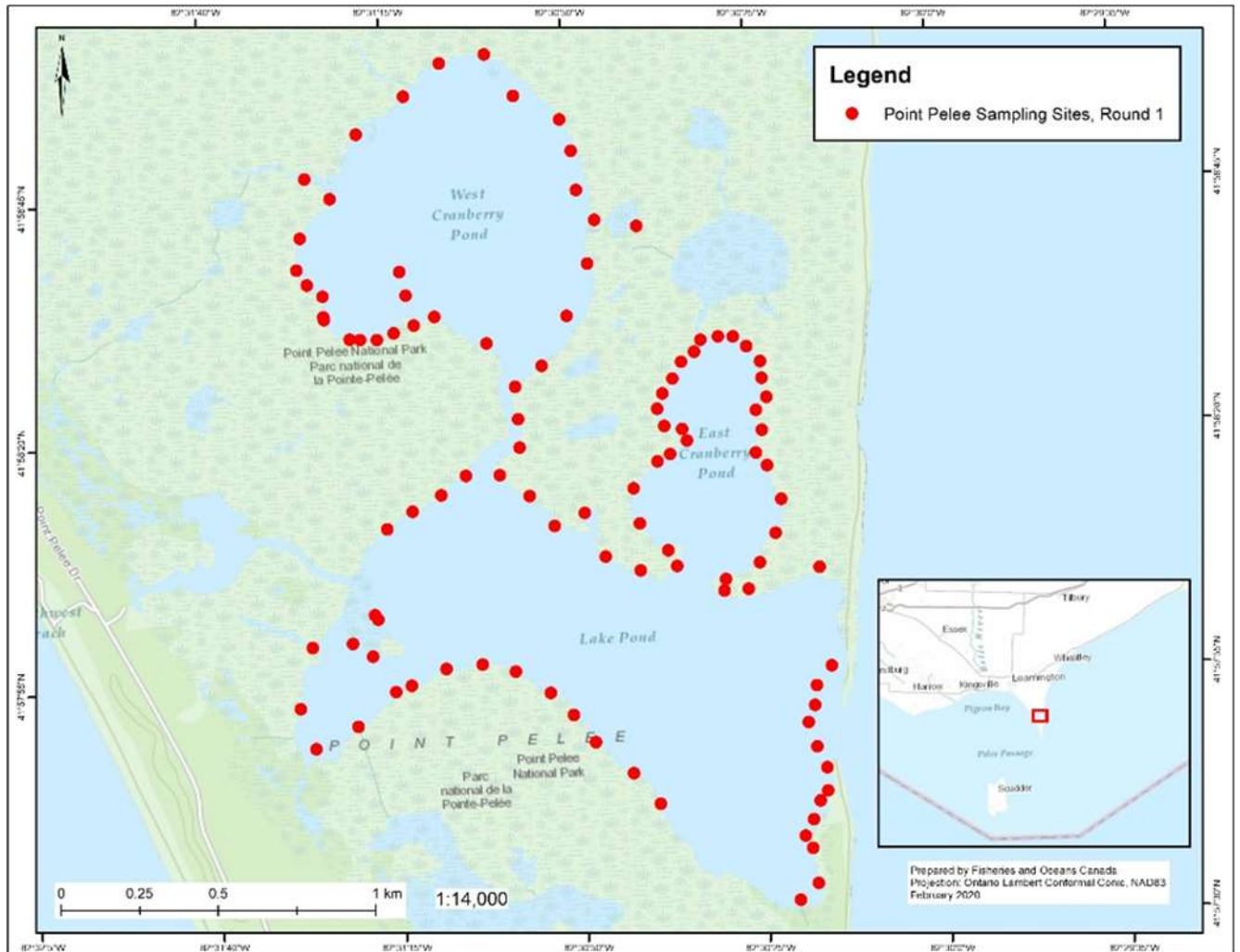


Figure 1a. Location of net sets during sampling period one of the 2019 fish community inventory of Point Pelee National Park.

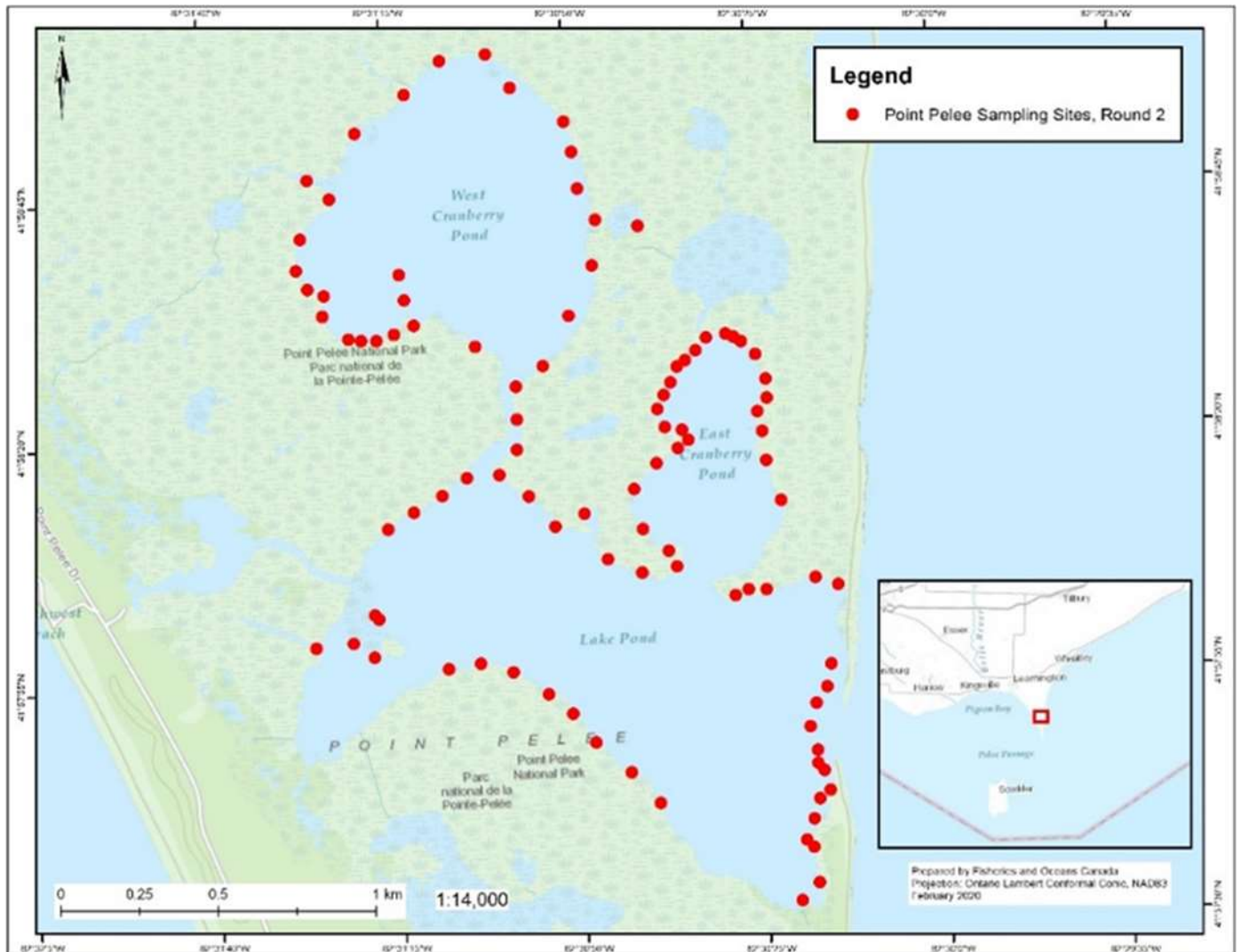


Figure 1b. Location of net sets during sampling period two of the 2019 fish community inventory of Point Pelee National Park.

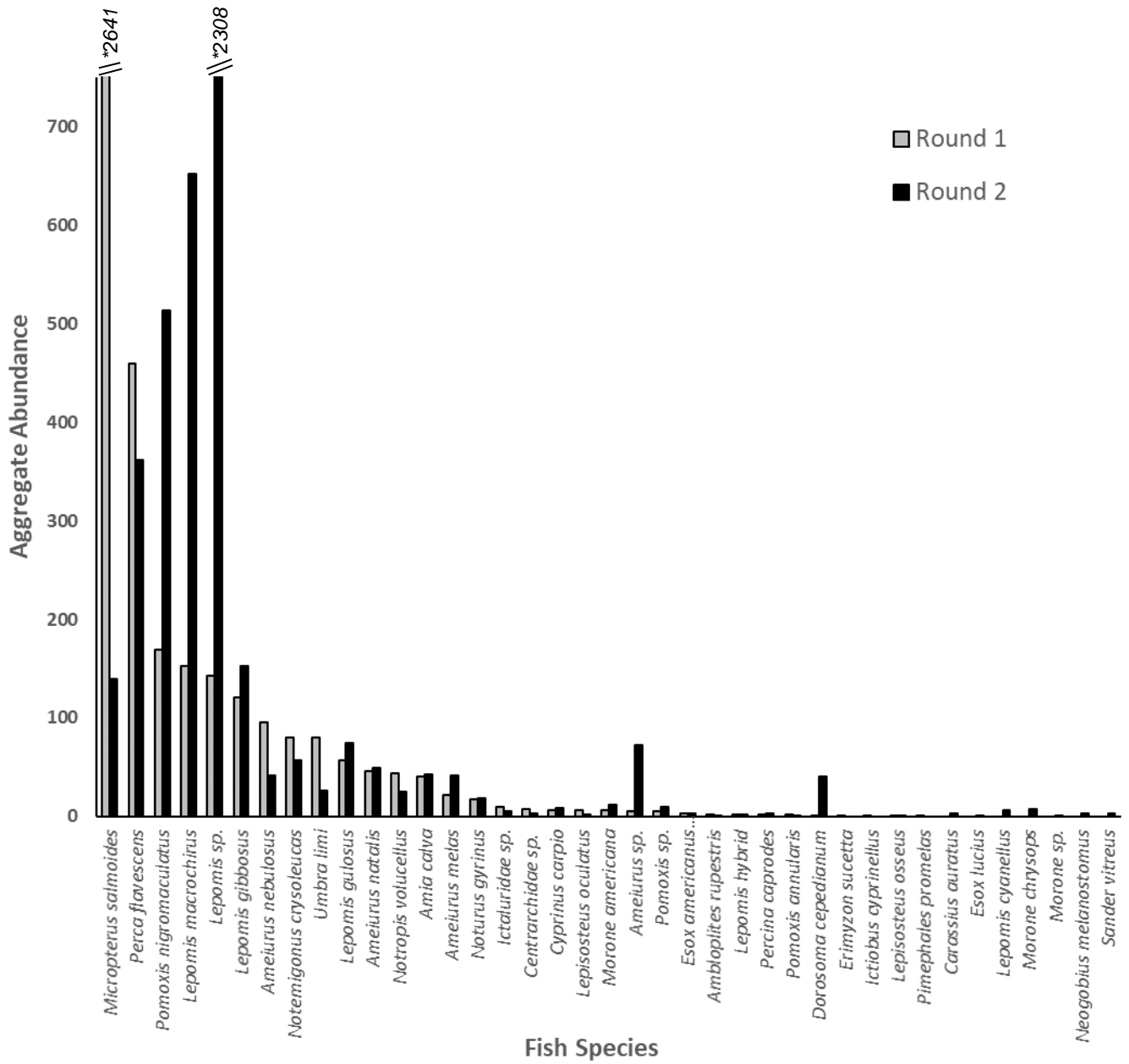


Figure 2. Rank-abundance of captured fishes (pooled raw abundance, per sample period) from the 2019 Point Pelee National Park fish community inventory. Rank order of species is based on sample period one results.

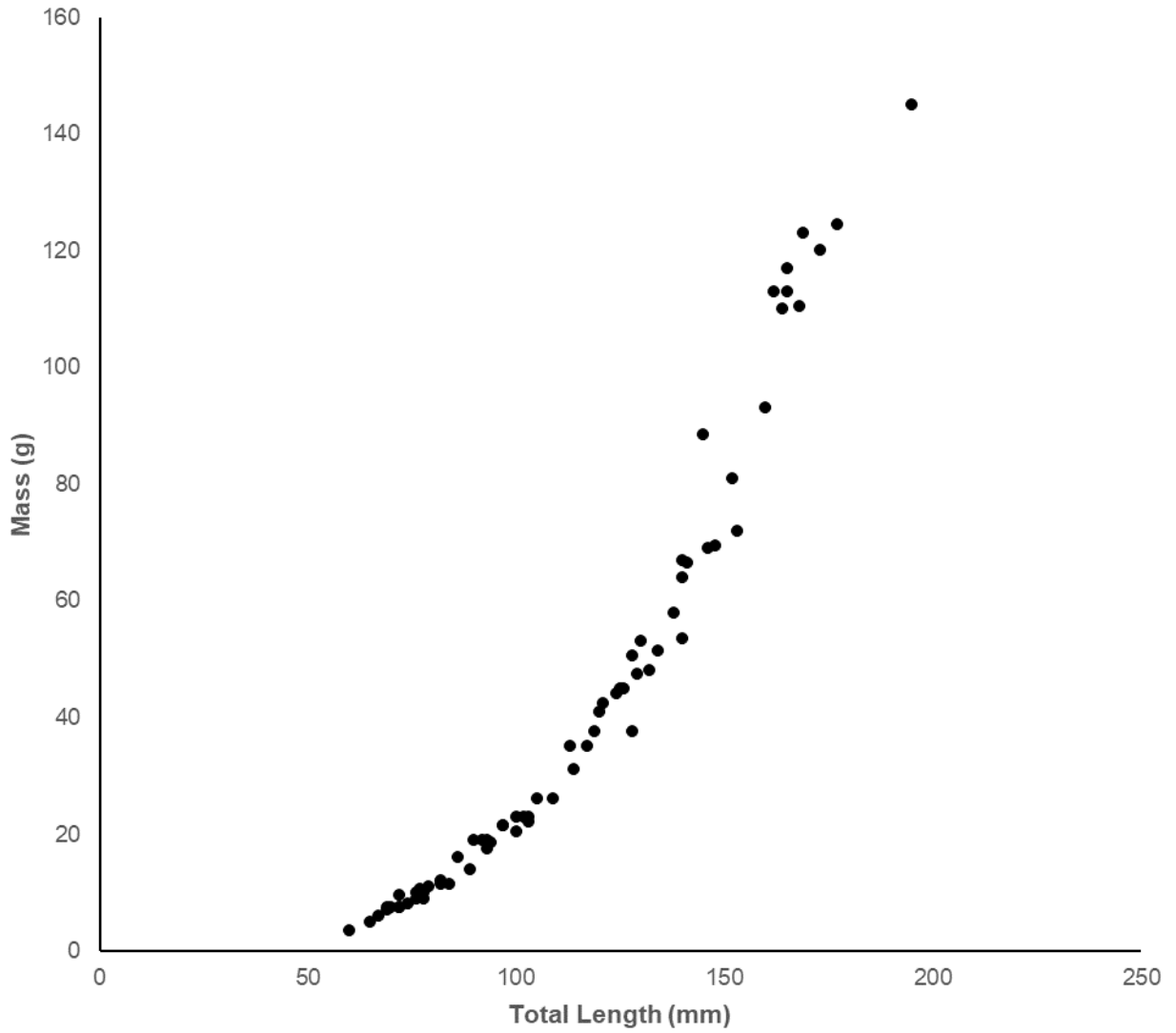


Figure 3a. Total length (TL; mm) and mass (g) of captured Warmouth for all sampling sites from the 2019 Point Pelee National Park fish community inventory (71 of 132 captured specimens displayed).

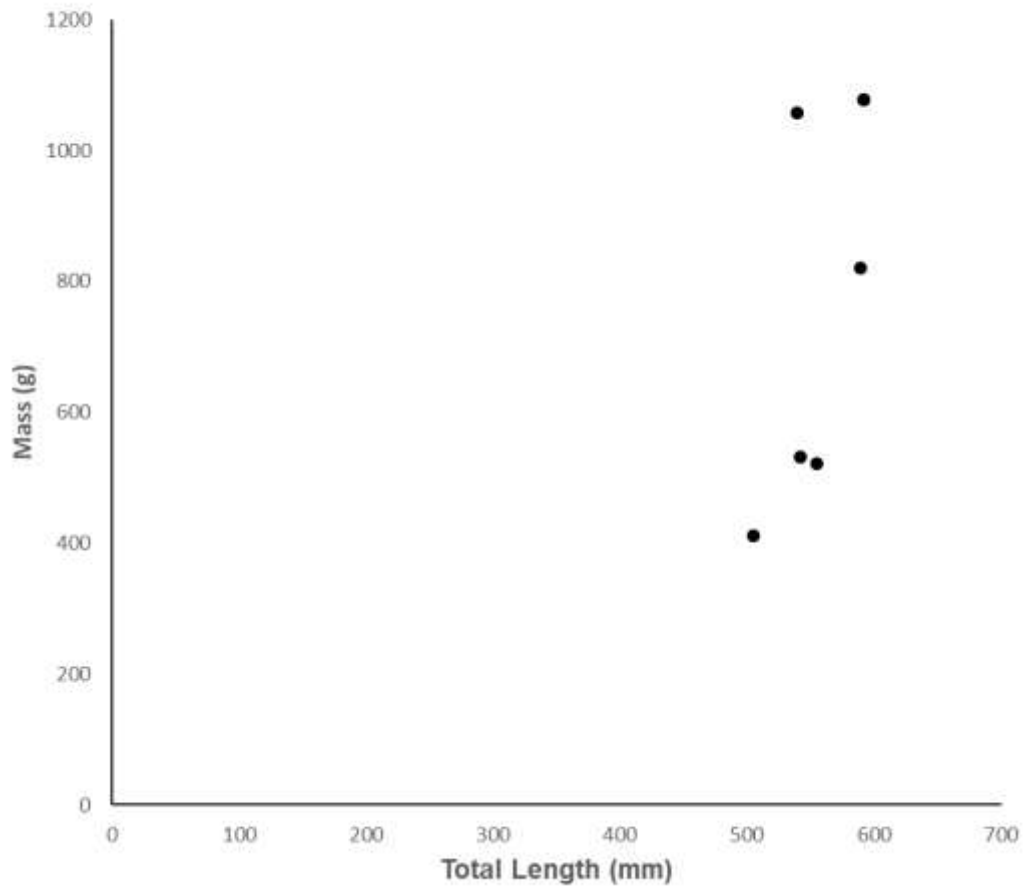


Figure 3b. Total length (TL; mm) and mass (g) of captured Spotted Gar for all sampling sites from the 2019 Point Pelee National Park fish community inventory (3 of 8 captured specimens displayed).

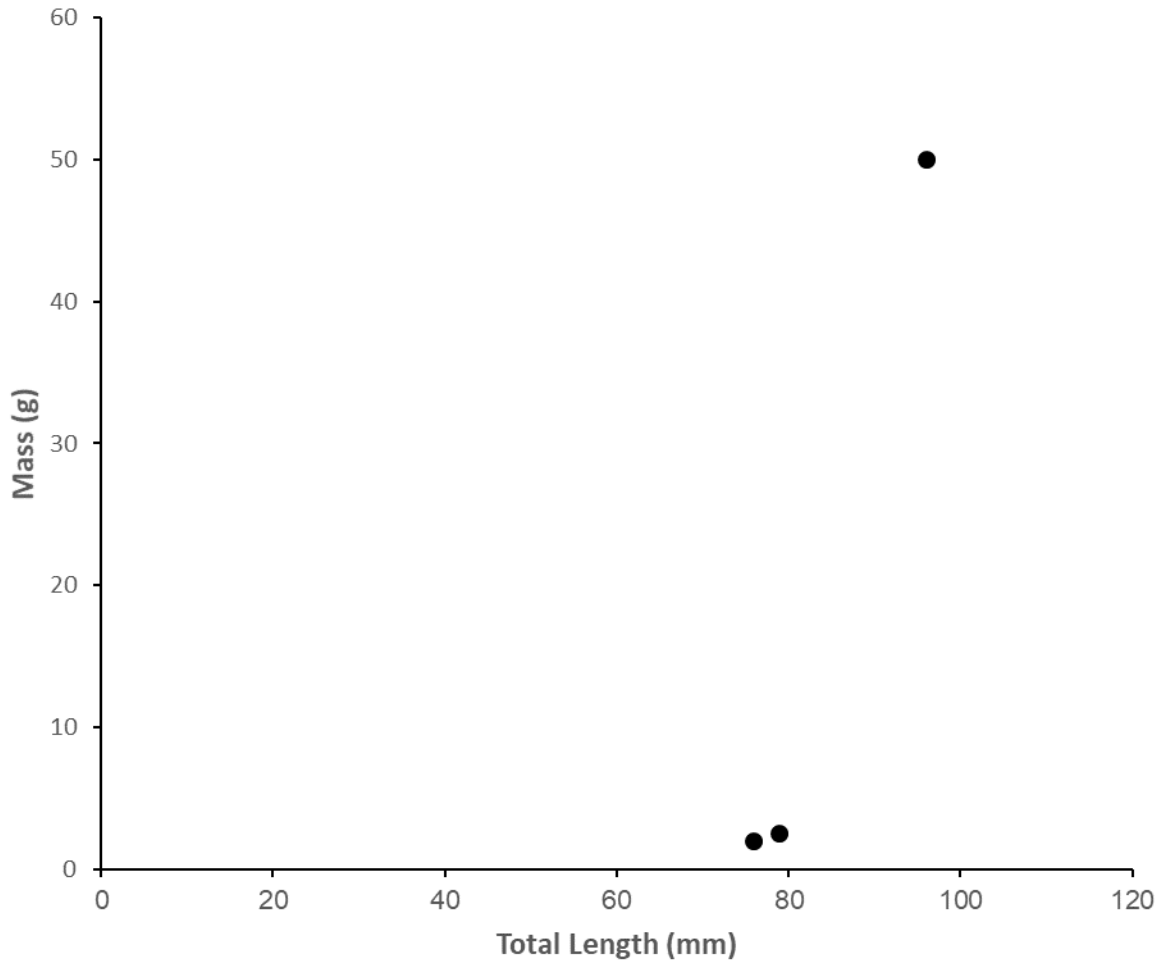


Figure 3c. Total length (TL; mm) and mass (g) of captured Grass Pickerel for all sampling sites from the 2019 Point Pelee National Park fish community inventory (3 of 6 captured specimens displayed).