

L-2023-040 10 CFR 54.23 March 3, 2023

U. S. Nuclear Regulatory Commission Attn: Document Control Desk Washington D C 20555-0001

RE: Turkey Point Nuclear Generating Station, Units 3 and 4 Docket Nos. 50-250 and 50-251 Subsequent Renewed Facility Operating Licenses DPR-31 and DPR-41

Response to Requests for Additional Information (RAIs) and Requests for Confirmation of Information (RCIs) Following Regulatory Audit of Subsequent License Renewal Application

References:

- 1. FPL Letter L-2018-082, Turkey Point Units 3 and 4 Subsequent License Renewal Application -Revision 1. April 10, 2018, (ADAMS Accession No. ML18113A134)
- 2. FPL Letter L-2018-086, Turkey Point Units 3 and 4 Subsequent License Renewal Application -Appendix E Environmental Report Supplemental Information, April 10, 2018, (ADAMS Accession Nos. ML18102A521 and ML18113A132)
- 3. FPL Letter L-2022-076, Subsequent License Renewal Application Appendix E Environmental Report Supplement 2, June 9, 2022 (ADAMS Accession No. ML22160A301)
- 4. Turkey Point Nuclear Generating Station, Units 3 and 4 Summary of the Environmental Remote Audit Related to the Review of the Subsequent License Renewal Application (EPID Number L 2021 SLE 0002), February 1, 2023 (ADAMS Accession No. ML23031A193 and ML23031A199)

In Reference 1, as supplemented in Reference 2, Florida Power & Light Company (FPL) submitted a subsequent license renewal (SLR) application for Turkey Point Units 3 and 4 (Turkey Point). In Reference 3, FPL supplemented the Appendix E Environmental Report. In Reference 4, the Nuclear Regulatory Commission (NRC) submitted requests for additional information (RAIs) and requests for confirmation of information (RCIs) following a regulatory audit conducted December 12 - 13, 2022, and January 6, 2023, as part of the Environmental Report (ER) review of the SLR application.

The attachment to this letter provides FPL's response to the RAIs and RCIs of Reference 4. Enclosures 1 through 5 provide information to support the RAI and RCI responses, as specified.

The supplements included in this response provide additional information that clarifies the application, do not expand the scope of the application as originally noticed, and should not change the NRC staff's original proposed no significant hazards consideration determination as published in the *Federal Register*.

This letter contains no new regulatory commitments.

Should you have any questions regarding this submission, please contact Mr. Michael Davis, Fleet Licensing Projects Manager, at 319-851-7032.

Florida Power & Light Company

9760 SW 344th Street, Homestead, FL 33035

Turkey Point Nuclear Plant Docket Nos. 50-250 and 50-251

I declare under penalty of perjury that the foregoing is true and correct.

Executed on the 3rd day of March 2023.

Sincerely,

Shand Care

Dianne Strand General Manager, Regulatory Affairs

cc: USNRC Regional Administrator, Region II USNRC Project Manager, Turkey Point Nuclear Generating Station USNRC Senior Resident Inspector, Turkey Point Nuclear Generating Station Ms. Cindy Becker, Florida Department of Health

Attachment (1)

Enclosures

- 1. Gen-1 Updated Seis Table B.2
- 2. 2022 Turkey Point Annual Crocodile Report
- 3. Gen-4b Location Map
- 4. Air Emissions Summary Table
- 5. Annual Greenhouse Gas Emission Inventory Summary

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RCI Number: GEN-3

Please confirm that there have been no reportable inadvertent nonradioactive releases that would be classified as an incidental spill and would trigger a notification requirement since Florida Power and Light's (FPL's) most recent environmental request for additional information (RAI) responses dated August 8, 2018 (ML18247A509) through the audit exit date of January 6, 2023.

FPL Response:

This information has been confirmed to be correct as stated.

References:

None

Associated Enclosures:

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RCI Number: AQN-4

Please confirm that there are no known field tests concerning ozone and nitrogen oxides emissions generated by FPL 230 kV in-scope transmission lines.

FPL Response:

This information is confirmed to be correct as stated.

References:

None

Associated Enclosures:

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RCI Number: AQN - "new"

Please confirm that the following reflects the current status of Turkey Point's Clean Air Act Title V permits, as discussed during the audit:

- Combined Turkey Point Units 3, 4, and 5 are considered one facility for purposes of the Prevention of Significant Deterioration permitting program and Title V operating permits. However, FPL operates these units under two separate Title V permits:
 - One for fossil fuel Unit 5 (Permit 0250003-032-AV) (Unit 1, which has been retired, was deleted from the permit upon its renewal in November 2018), and;
 - One for nuclear Units 3 and 4 (Permit 0250003-033-AV).
- The Florida Department of Environmental Protection (FDEP) issued Title V Air Operation Permit 0250003-033-AV for Turkey Point Units 3 and 4 in May 2020, which will expire in 2023. In September 2022, FPL submitted an application to renew this air operation permit for five years. In November 2002, FDEP issued a notice of intent to issue Air Operation Permit 0250003-036-AV for Units 3 and 4. A similar process is being used for fossil fuel Unit 5.

FPL Response:

This information is confirmed to be correct as stated.

References:

None

Associated Enclosures:

Turkey Point Nuclear Plant Docket Nos. 50-250 and 50-251 L-2023-040 Attachment Page 4 of 17

Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RCI Number: AQ-1

In the NRC's 2019 final supplemental environmental impact statement (FSEIS) regarding Turkey Point subsequent license renewal, the NRC staff characterized the cooling canal system (CCS) as an algalbased, phosphorus-limited system such that the algae life cycle primarily dictated the movement of nutrients in and out of the water column. Since that time, the NRC staff understands that FPL's continued implementation of its Nutrient Management Plan, a requirement of the 2016 Consent Order between FPL and the State of Florida, has improved CCS conditions. FPL's recent monitoring results under this plan indicate that the CCS is no longer in a state of eutrophication. Total nitrogen and total phosphorus collected at CCS monitoring stations from April 2019 through September 2022 show low total phosphorus concentrations (ranging from between 0.01 to 0.05 mg/L) and a significant decline in total nitrogen. Dissolved oxygen concentrations averaged 5.0 mg/L from October 2020 through June 2022. Since September 2021, FPL has documented a clear decreasing trend in chlorophyll-a concentrations, decreased turbidity, and increased water clarity, all of which parallel a decline in algae concentrations. Seagrass plantings have also facilitated these improved conditions.

FPL Response:

This information is confirmed to be correct as stated.

References:

None

Associated Enclosures:

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RCI Number: ALT-1

Please confirm the continued validity of the technical bases presented in FPL's January 18, 2018, subsequent license renewal (SLR) environmental report (ER) and FPL's response to the 2018 SLR ER RAIs used to support the identification of reasonable replacement power alternatives to license renewal of Turkey Point Nuclear Plant Units 3 and 4.

FPL Response:

This information is confirmed to be correct as stated.

References:

None

Associated Enclosures:

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RCI Number: SOC-3

In response to an RAI (ML18247A509), FPL identified that in addition to property tax payments, FPL pays sales tax to Miami-Dade County for purchases. In 2017 that amount totaled approximately \$224,000 in sale taxes to Miami-Dade County from Turkey Point operation expenses. During the environmental audit, Socioeconomic breakout session, and in response to information need SOC-3, FPL stated that the total 2021 sales tax paid to Miami-Dade County for Turkey Point Units 3 and 4 was approximately \$334,000. Please confirm that in 2021 FPL paid \$334,000 in sales to Miami-Dade County from Turkey Point Units 3 and 4 operation expenses.

FPL Response:

This information is confirmed to be correct as stated.

References:

None

Associated Enclosures:

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RCI Number: SOC-4

During the environmental audit, Socioeconomic breakout session, and in response to information need SOC-4, FPL stated that during Turkey Point Units 3 and 4 outages, the site staff is split into two 12-hour shifts and during non-outage periods, the Operations Department works three 8-hour shifts. Please confirm that during outages site staff is split into two 12-hour shifts and during routine operations, the Operations Department works in three 8-hour shifts.

FPL Response:

The earlier response to SOC-4 requires an update as of January 2023. During both outage and non-outage periods, the Operations' control room staff is split into two 12-hour shifts.

The updated statement should state: "During outages the site staff is split into two 12-hour shifts and during routine operations, the Operations Department works in two 12-hour shifts."

References:

None

Associated Enclosures:

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RAI Number: GEN-1

REQUIREMENT: Title 10 of the Code of Federal Regulations (10 CFR) part 51.53(c)(iv) requires that environmental reports contain any new and significant information regarding the environmental impacts of license renewal of which the applicant is aware.

ISSUE: In 2019, the NRC staff issued Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 5, Second Renewal, Regarding Subsequent License Renewal for Turkey Point Nuclear Generating Unit Nos. 3 and 4, Final Report (NUREG–1437, Supplement 5, Second Renewal) (FSEIS) (ML19290H346). The NRC staff is now preparing a site-specific environmental impact statement (EIS) in accordance with Commission Legal Issuance (CLI)-22-02 and CLI-22-03, both dated February 24, 2022, that considers the site-specific environmental impacts of subsequent license renewal (SLR) of Turkey Point. Table B-2 of the FSEIS, Operating Permits and Other Requirements, lists the permits and licenses issued by Federal, State, and local authorities for activities at Turkey Point, as identified in chapter 9 of Florida Power & Light Company's (FPL's) environmental report submitted as part of its subsequent license renewal application. As part of preparing this site-specific EIS, the staff must consider whether there have been any changes to operating permits or other requirements following the issuance of the FSEIS that could affect the conclusions made in the FSEIS.

REQUEST: Please provide any relevant updates to Table B-2 of the FSEIS that have transpired since it was issued in October 2019. If any permits have expired since submitting the license renewal application to the U.S. Nuclear Regulatory Commission (NRC), please provide the status of those permits and/or renewals.

FPL Response:

The updated SEIS Table B.2 (Gen-1 updated SEIS table B.2) is provided as Enclosure 1.

References:

None

Associated Enclosures:

Enclosure1, Gen-1 Updated SEIS Table B.2 R1

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RAI Number: GEN-2

REQUIREMENT: 10 CFR 51.53(c)(3)(iv) requires that environmental reports contain any new and significant information regarding the environmental impacts of license renewal of which the applicant is aware; 10CFR20.1406(c) requires licensees, to the extent practical, conduct operations to minimize the introduction of residual radioactivity into the site, including the subsurface, in accordance with the existing radiation protection requirements in subpart B and radiological criteria for license termination in subpart E of this part; and 10 CFR 51.53(c)(3)(ii)(P) which requires that an applicant shall assess the impact of any documented inadvertent releases of radionuclides into groundwater. The applicant shall include in its assessment a description of any groundwater protection program used for the surveillance of piping and components containing radioactive liquids for which a pathway to groundwater may exist. The assessment must also include a description of any past inadvertent releases and the projected impact to the environment (e.g., aquifers, rivers, lakes, ponds, ocean) during the license renewal term.

ISSUE: In the 2019 FSEIS, the NRC staff analyzed certain environmental issues as site-specific (Category 2) issues. The staff is now preparing a site-specific EIS in accordance with CLI-22-02 and CLI-22-03, both dated February 24, 2022, that considers the site-specific environmental impacts of SLR of Turkey Point on those issues dispositioned as generic (Category 1) issues in Table B–1 in appendix B to subpart A of 10 CFR part 51 and the FSEIS. As part of preparing this site-specific EIS, the staff must consider whether any significant new information has arisen following the issuance of the FSEIS that could affect the conclusions made in the FSEIS for Category 2 issues.

REQUEST: Please provide dates, quantities, and references for any documented unplanned releases of radioactive materials (unplanned/ inadvertent radioactive liquid or gaseous releases) since FPL's most recent environmental request for additional information (RAI) responses dated August 8, 2018 (ML18247A509) as discussed during the most recent audit held December 12 & 13, 2022. In your response, please include a summary of whether or not these releases impact conclusions presented in the supplement.

FPL Response:

As documented in the 2018 Annual Radioactive Effluent Release Report (ARERR) (ADAMS Accession No. ML19070A111), one unplanned liquid release and no unplanned gaseous releases occurred from August 8, 2018 to the end of that year. On August 8, 2018, weepage was identified from two Refueling Water Storage Tank (RWST) locations on the Unit 4 drain line. The leak was not identified as an active leak; however, the soil was sampled around the drain location and identified an activity of 9.37E-05 µCi/mL. The calculated activity released was 2.45E-06 curies. The total estimated dose for this release calculated to be 3.32E-06 mrem, well below any ODCM limits.

As documented in the 2019 ARERR (ADAMS Accession No. ML20059L857), one unplanned liquid release and no unplanned gaseous releases occurred in 2019. On April 29, 2019, while sampling the U3 RWST for chemistry analysis, it was identified that the sample sink drain was leaking to the ground. Groundwater wells sampled in the surrounding area did not identify any impact to groundwater. Based on the activity of 1.84E-03 μ Ci/ml the total estimated dose from this would be 6.82E-07 mrem, well below any ODCM limits, and combining this dose with the total estimated dose for the year would be 6.82E-07 mrem.

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

As documented in the 2020 and 2021 ARERRs (ADAMS Accession Nos. ML21055A739 and ML22060A223) no unplanned liquid or gaseous releases occurred in 2020 and 2021.

No unplanned gaseous releases have occurred in 2022 through November 29, 2022. One unplanned liquid release occurred in 2022 through November 29, 2022. At approximately 5:53 a.m. on August 8, 2022, water was observed flowing from an open valve associated with the Component Cooling Water (CCW) heat exchanger vent. The valve was closed by operations staff. The released water was not captured, and it flowed to the floor drain which leads to the Northeast Storm Drain. The storm drain system is a monitored release pathway as defined in the ODCM. The storm drain system releases to the cooling canals system. The release was estimated at approximately 5 gallons and with a calculated radioactivity of 3.99E-3 μ Ci. Based on the activity of 2.11E-07 μ Ci/ml the total estimated dose for this release is calculated to be 1.68E-10 mrem, well below any ODCM limits. An internal review of the event determined the direct cause to be communication deficiency between work groups and insufficient procedural clarity. Enhanced procedural guidance was added to prevent reoccurrence.

The releases described do not adversely impact the conclusions presented in the PTN SLR ER Supplement 2 relative to the environmental issues listed below and does not significantly impact SEIS conclusions for radionuclides released to groundwater.

- Aquatic Resources Exposure of aquatic organisms to radionuclides
- Groundwater Radionuclides released to groundwater (including unplanned or inadvertent releases to soil and subsurface)
- Human Health Radiation exposures to the public
- Human Health Radiation exposures to plant workers
- Surface Water Resources Discharge of metals in cooling system effluent (including releases to the CCS)
- Surface Water Resources Discharge of biocides, sanitary wastes, and minor chemical spills (including releases to the CCS)
- Terrestrial Resources Exposure of terrestrial organisms to radionuclides
- Uranium Fuel Cycle Offsite radiological impacts—individual impacts from other than the disposal of spent fuel and high-level waste
- Uranium Fuel Cycle Offsite radiological impacts—collective impacts from other than the disposal of spent fuel and high-level waste
- Uranium Fuel Cycle Transportation
- Waste Management Low-level waste storage and disposal
- Waste Management Mixed-waste storage and disposal
- Waste Management Offsite radiological impacts of spent fuel and high-level waste disposal

References:

None

Associated Enclosures: None

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RAI Number: GEN-4a

REQUIREMENT: 10 CFR 51.53(c)(iv) requires that environmental reports contain any new and significant information regarding the environmental impacts of license renewal of which the applicant is aware.

ISSUE: In the 2019 FSEIS, the NRC staff analyzed certain environmental issues as site-specific (Category 2) issues. The NRC staff is now preparing a site-specific EIS in accordance with CLI-22-02 and CLI-22-03 that considers the site-specific environmental impacts of SLR of Turkey Point on those issues dispositioned as generic (Category 1) issues in Table B–1 in appendix B to subpart A of 10 CFR part 51 and the FSEIS. As part of preparing this site-specific EIS, the staff must consider whether any significant new information has arisen following the issuance of the FSEIS that could affect the conclusions made in the FSEIS for Category 2 issues.

REQUEST: Is FPL aware of any significant new information that has arisen following the issuance of the FSEIS in October 2019 that could affect the conclusions made in that document concerning the following Category 2 environmental issues? If so, please describe the significant new information and explain how that information affects FSEIS conclusions. The relevant Category 2 issues are as follows:

- Aquatic Resources Impingement and entrainment of aquatic organisms (plants with once-through cooling systems or cooling ponds)
- Aquatic Resources Thermal impacts on aquatic organisms (plants with once-through cooling systems or cooling ponds)
- Cumulative Impacts
- Environmental Justice Minority and low-income populations (e.g., subsistence activities)
- Groundwater Groundwater use conflicts (plants that withdraw more than 100 gallons per minute [gpm])
- Groundwater Radionuclides (e.g., tritium and plan-related gamma isotopes or hard-to-detect radionuclides) released to groundwater
- Historic and Cultural Resources (e.g., new cultural resource surveys, new historic properties)
- Human Health Microbiological hazards to the public
- Human Health Chronic effects of electromagnetic fields
- Human Health Electric shock hazards
- Postulated Accidents Severe accidents
- Special Status Species and Habitats Threatened, endangered, and protected species and essential fish habitat
- Terrestrial Resources Effects terrestrial resources (non-cooling system impacts)

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FPL Response:

FPL is not aware of any significant new information that has arisen following the issuance of the FSEIS in October 2019 that could affect the conclusions made in that document concerning environmental issues.

New information is available regarding groundwater in the form of two published reports: 1) Turkey Point Clean Energy Center Annual Monitoring Report and Appendices, August 31, 2022, and 2) Turkey Point Clean Energy Center Remedial Action Annual Status Report, Year 4 Report, November 15, 2022. However, this new information does not significantly alter the analysis in the SEIS. In fact, the new information is consistent with the previous analysis and shows continued progress in the remediation of

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

hypersaline groundwater and significant improvements in cooling canal water quality and thermal efficiency. Copies of these publicly available reports are available at:

Turkey Point Clean Energy Center Annual Monitoring Report and Appendices, August 31, 2022:

Report:	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1168669.1, and
Appendices:	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1168665.1

Turkey Point Clean Energy Center Remedial Action Annual Status Report, Year 4 Report, November 15, 2022:

Report:	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1165328.1
Appendices:	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1167088.1, and
••	https://prodenv.dep.state.fl.us/DepStaging/api/dms/38.1168251.1

New information is available regarding updated crocodile population data. But this new information is not "new and significant" as it does not alter the findings presented in the previous SEIS. The 2022 American crocodile nesting season was a success at Turkey Point. A total of 33 successful nests were found within the cooling canal system (CCS) as well as a total of 512 hatchlings captured, processed, tagged, and released. This is the highest number of successful nests ever found at Turkey Point in the history of the program and 512 hatchlings marks the third-most hatchlings in program history behind 565 in 2021 and 548 in 2009. A copy of the 2022 Turkey Point Annual Crocodile Report is Enclosure 2.

References:

None

Associated Enclosures:

Enclosure 2, 2022 Turkey Point Annual Crocodile Report

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RAI Number: GEN-4b

REQUIREMENT: 10 CFR 51.53(c)(2)(K) requires that all applicants identify any potentially historic or archaeological properties and assess whether any of these properties will be affected by future plant operations and any planned refurbishment activities in accordance with the National Historic Preservation Act.

ISSUE: During the environmental audit discussion on Category 2 issues, and in response to information need GEN-4, FPL stated that new information has come to light regarding former Boy Scout and Girl Scout camps on the Turkey Point site. Specifically, FPL stated that an email correspondence from the Florida State Department Division of Historical Resources (ML19143A207) conflates many of the cultural resource issues at Turkey Point. The NRC cites this email in NUREG-1437, Supplement 5, Second Renewal (Generic Environmental Impact Statement for License Renewal of Nuclear Plants: Regarding Subsequent License Renewal for Turkey Point Nuclear Generation Units No. 3 and 4-Final Report, ML19290H346). Section 3.9.2 of NUREG-1437 discusses that during NRC's 2018 environmental site visit and audit, the NRC staff became aware of three wooden buildings that were part of a Boy Scouts of America camp and a cottage (known as the Range House/McGregor Smith Cottage). In response to NRC RAI Number HC-7, ML18247A509), FPL provided additional information to the NRC regarding the three wooden buildings/structures, including:

- The three wooden buildings were part of a Boy Scout camp, but have subsequently been used for storage and been maintained and repaired;
- Two of the structures have gable roofs and the third has a pyramid hip roof; and;
- The Boy Scout camp was constructed in 1962-1963.

REQUEST: Update the previously submitted responses (Response to NRC RAI Number HC-7-a, ML18283A310 and Response to NRC RAI Number HC-7, ML18247A509) to reflect the most recent information and correct any inaccuracies related to both the Boy Scout and Girl Scout camps and any associated structures. As part of the response: identify the location, provide a description of any associated structures, known historical significance, and approximate construction timeframes of both scout camps.

FPL Response:

The information concerning the Boy Scout Camp was provided in RAI responses August 8, 2018, ML18247A509, HC-7 and October 5, 2018, ML 18283A310, HC-7a.

The former Boy Scout Camp is located on the west bank of the Grand Canal, southwest of the generating Plant. The camp was reportedly constructed in 1962-1963. Since 2018, the former Boy Scout bathroom building has been converted from storage back into a restroom facility.

The former Girl Scout Camping area is located along Biscayne Bay. Dedicated in the spring of 1967, this facility once had a council building, two picnic shelters and open space for up to 60 campers at a time. The former council building and picnic shelters had been built out of old utility poles and the crating material left over from the construction of the Plant. The council building and picnic shelters were damaged and finally

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

destroyed by various hurricanes and storms, most notably Hurricane Andrew in 1992. These facilities were not rebuilt, and the area remains undeveloped and has since revegetated. The Girl Scout Camping area has lost its historic integrity and is not considered eligible for listing on the National Register of Historic Places (NRHP).

As discussed in RAI HC-7 response, there is no known historical significance of the Boy Scout camp, or the associated buildings and they do not appear to meet the criteria for listing on the NRHP.

The enclosed map depicts the locations of the camps and Ranger House/McGregor Cottage structures provided as Enclosure 3 (GEN-4b Location Map).

References:

None

Associated Enclosures:

Enclosure 3, GEN-4b Location Map

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Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RAI Number: AQN-1

REQUIREMENT: 10 CFR 51.53(c)(iv) requires that environmental reports contain any new and significant information regarding the environmental impacts of license renewal of which the applicant is aware.

ISSUE: In 2019, the NRC staff issued the FSEIS, which presented estimated annual air pollutant emissions from Turkey Point Units 3 and 4 from 2012 through 2016. The NRC is now preparing a site-specific EIS in accordance with CLI-22-02 and CLI-22-03 that considers the site-specific environmental impacts of SLR of Turkey Point on those issues dispositioned as generic (Category 1) issues in Table B–1 in appendix B to subpart A of 10 CFR part 51 and the FSEIS. As part of preparing this site-specific EIS, the staff must consider whether any significant new information has arisen following the issuance of the FSEIS.

REQUEST: Provide updated (2017–2022) estimated air pollutant emissions from operation of permitted sources at Turkey Point, Units 3 and 4 (i.e., SOx, NOx, CO, PM10, and VOCs).

FPL Response:

Updated estimated air pollutant emissions for PTN is provided as Enclosure 4, (Air Emissions Summary Table). Emission data for 2022 is not available at this time. Typically, emission data for the prior year is submitted in March.

References:

None

Associated Enclosures:

Enclosure 4, Air Emissions Summary Table

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RAI Number: AQN-2

REQUIREMENT: 10 CFR 51.53(c)(iv) requires that environmental reports contain any new and significant information regarding the environmental impacts of license renewal of which the applicant is aware.

ISSUE: In 2019, the NRC staff issued the FSEIS, which analyzed greenhouse gas emissions and climate change impacts. The NRC is now preparing a site-specific environmental impact statement in accordance with CLI-22-02 and CLI-22-03 that considers the site-specific environmental impacts of SLR of Turkey Point on those issues dispositioned as generic (Category 1) issues in Table B–1 in appendix B to subpart A of 10 CFR part 51 and the FSEIS. As part of preparing this site-specific EIS, the staff must consider whether any significant new information has arisen following the issuance of the FSEIS.

REQUEST: Please provide updated (since 2016) estimated annual greenhouse gas emissions from operation at Turkey Point, Units 3 and 4. As part of the response, include a brief discussion of the sources of greenhouse gas emissions and if FPL anticipates additional greenhouse gas emission sources and emissions during the SLR term.

FPL Response:

The requested annual greenhouse gas emissions are provided as Enclosure 5 (Annual Greenhouse Gas Emission Inventory Summary).

The sources of greenhouse gases associated with the PTN facility are listed in the air permit (Permit Number 0250003-033-AV, 0250003-036-AV, once issued). Equipment may be replaced during the subsequent period of extended operation, but no addition to the emissions inventory is expected during the SLR term.

References:

None

Associated Enclosures:

Enclosure 5, Annual Greenhouse Gas Emission Inventory Summary

Response to Requests for Confirmation of Information (RCIs) and Requests for Additional Information (RAIs)

NRC RAI Number: SOC-1

REQUIREMENT: 10 CFR 51.53(c)(iv) requires that environmental reports contain any new and significant information regarding the environmental impacts of license renewal of which the applicant is aware.

ISSUE: The Subsequent License Renewal Application, Environmental Report (ER) supplement 2 (ML22160A301) identifies that in 2019 the Miami-Dade County over assessed the taxable value for Turkey Point Units 3 and 4, which in turn generated an overpayment of property taxes by FPL. The ER supplement further discusses that the property tax payment was subsequently reconciled between FPL and Miami-Dade County in 2020. The ER supplement, however, does not discuss how the overpayment was identified or the process that led to the reconciliation.

REQUEST: Please identify which party identified the overpayment and discuss the process that led to the reconciliation, if any, such as tax appeals, or settlements.

FPL Response:

FPL identified an overpayment to Miami-Dade County in the 2019 tax filing. Due to the timing of discovery and the potential related impacts to municipalities in Miami-Dade County, it was agreed to address the overpayment in the year 2020. FPL worked collaboratively with Miami-Dade County to adjust the 2020 payments accordingly, which eliminated the need for appeals or other formal processes.

References:

None

Associated Enclosures:

Turkey Point Nuclear Plant Docket Nos. 50-250 and 50-251 L-2023-040 Attachment

ENCLOSURE 1

Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

GEN-1 UPDATED SEIS TABLE B.2

(4 pages follow)

TURKEY POINT NUCLEAR GENERATING STATION, UNITS 3 AND 4 Dockets 50-250 and 50-251 FPL Response to NRC RAI Response GEN-1 L-2023-040, Attachment, Enclosure 1

Updated SEIS Table B-2 Federal, State, and Local				
Permit	Responsible Agency	Number	Expiration Date	Authorized Activity
	F	ederal Authorizati	ons	
Authorization to export waste	Southeast Compact Commission	None	Updated annually	Export of LLRW outside the region
General license for storage of spent fuel at power reactor sites	NRC	General permit	N/A	Storage of power reactor spent fuel and other associated radioactive materials in an ISFSI
Licensing of nuclear power plant	NRC	DPR-31	7/19/2032	Operation of Unit 3
Licensing of nuclear power plant	NRC	DPR-41	4/10/2033	Operation of Unit 4
Consent decree	U.S. District Court	70-328-CA	N/A	IWW Construction, Operation, and Maintenance
Registration	U.S. Department of Transportation	060911 551 091T	None	Hazardous materials shipments
NPDES permit - Industrial Waste Water facility (IWW) (cooling canals)	FDEP	FL0001562	May 9, 2027	Operation of IWW (cooling canals)
Hazardous waste generator number	USACE & FDEP	FLR000192922	N/A	Small Quantity Hazardous Waste Generator
Endangered species permit to take American crocodile during monitoring	U.S. Fish and Wildlife Service (FWS)	TE092945-4	4/30/24	Provides authorization to take (capture, examine, weigh, sex, collect tissue samples, mark, radio-tag, radio- track, relocate, release) threatened American crocodile individuals during population monitoring
Effects of operation on the threatened American crocodile	USFWS	41420-2006- FA-0478; 41420-2006- F- 0125	N/A	Plan to minimize the potential adverse effects of ongoing operations of PTN to the American crocodile

Updated SEIS Table B-2 Federal, State, and Local				
Permit	Responsible Agency	Number	Expiration Date	Authorized Activity
Migratory bird special purpose utility permit	USFWS	MB697722	3/31/2024	Authorizes utilities to collect, transport and temporarily possess migratory birds found dead on utility property, structures, and ROWs for avian mortality monitoring or disposal purposes
	State	of Florida Authori	zations	· · ·
Power plant site certification	FDEP Siting Board	PA 03-45	NA	Certification of Turkey Point site. Provides for CZMA certification confirmation and CWA 401 certification. Modifications E and F on 3/29/2016 and 10/19/21 authorizes the Upper Floridan Aquifer freshening wells. Most recent modification, G, on 1/24/2022 authorizes the Clean Water Recovery Center project
Agreement for construction, operation, and monitoring of the CCS	South Florida Water Management District (SFWMD)	N/A	N/A	5 th Supplemental Agreement 10/16/2009 incorporating an expanded monitoring and CCS operational plan in and around the Turkey Point CCS
Operation of Recovery Well System consumptive use permit	SFWMD	13-06251-W	2/27/2029	Use of Recovery Well System to extract hypersaline plume
Operation of Class V, Group 3 domestic wastewater injection (gravity flow) well	FDEP	0355186-001- UO/5W This permit is currently administratively extended.	1/25/2023* Application submitted to FDEP on 11-15-2022.	Operation of IW-1

Updated SEIS Table B-2 Federal, State, and Local				
Permit	Responsible Agency	Number	Expiration Date	Authorized Activity
Operation of domestic wastewater treatment facility	FDEP	FLA013612- 006-DW3P	9/27/2025	Operation of PTN wastewater treatment facility
Annual storage tank registration	FDEP	Facility ID: 8622249 Placard No.: 626847	Annual renewal	Operation of above- ground storage tanks
Annual storage tank registration	FDEP	Facility ID: 8622251 Placard No.: 627682	Annual renewal	Operation of above- ground storage tanks
Title V operations permit	FDEP	0250003-033- AV (Draft Permit 0250003-036- AV Pending, currently administratively extended.)	4/26/2023* Application submitted to DEP on 9/16/22. 5 years from effective date	Operation of facilities that generate air emissions
Underground injection control permit, injection well and monitoring well	FDEP	29392-005- UO/MM	7/12/2023* Renewal in process	Disposal of extracted hypersaline water
Migratory bird nest removal	Florida Fish and Wildlife Conservation Commission (FFWCC)	LSNR-11- 00026E	1/21/2024	Authorization to remove and replace inactive nests of migratory birds
Scientific collection	FFWCC	LSSC-11- 00021D	2/20/2023*	Scientific collection for avian species
Special purpose permit	FFWCC	SPGS-09-03	1/25/2024	Capture, hold and relocate American alligators
Burn permit	Florida Department of Agriculture and Consumer Service	1373498	No expiration	Authorization for open fires
	Othe	er States' Authoriz	ations	
Revision of existing general site access permit	Utah Department of Environmental Quality Division of Radiation Control	None	Annual authorization	Transport of radioactive materials into the State of Utah

Updated SEIS Table B-2 Federal, State, and Local				
Permit	Responsible Agency	Number	Expiration Date	Authorized Activity
Revision of existing Tennessee radioactive waste license for delivery	Tennessee Department of Environment and Conservation Division of Radiological Health	None	Annual authorization	Transport of radioactive waste into the State of Tennessee
<u></u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Local Authorizatio	ns	I
Stratospheric ozone protection annual operations permit	Miami-Dade County, Department of Environmental Resources Management (MDC DERM)	APCF-001747- 2022/2023	June 30, 2023 Annual renewal	Use of refrigerants R- 134A, R-22, R 410A, R- 502 for Robinair Recovery Units, Models 25200, 25200B and 34700Z.
Industrial waste annual operations permit (Fossil Plant)	MDC DERM	IW-000003- 2022/2023	May 31, 2023 Annual renewal	Oil and water separators and hazardous waste storage and used oil containment areas
Domestic wastewater annual operating permit	MDC DERM	DWO-000010- 2022/2023	April 14, 2023 Annual renewal	Stabilization treatment facility
Industrial Waste Annual Operating Permit	MDC DERM	IW-000016- 2022/2023	May 31, 2023 Annual renewal	Water treatment units, oil drum and compressed gasses storage, and vehicle refueling station
Research permit on MDC DERM environmentally endangered lands	MDC DERM	2011, updated 4/29/2016	Authorization granted by DERM with no expiration date.	Authorization to conduct ecological monitoring on county- owned environmentally endangered lands
Industrial Waste 5 Annual Operating Permit	MDC DERM	IW5-006229- 2022/2023	April 30, 2023 Annual renewal t the time this table was	Operation of fleet vehicle maintenance facility that generates waste oil, coolant, and used batteries with a solvent wash tank and served by septic tank

Turkey Point Nuclear Plant Docket Nos. 50-250 and 50-251 L-2023-040 Attachment

ENCLOSURE 2

Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

2022 TURKEY POINT ANNUAL CROCODILE REPORT

(59 pages follow)

TURKEY POINT NUCLEAR GENERATING STATION, UNITS 3 AND 4 Dockets 50-250 and 50-251 FPL Response to NRC RAI Response GEN-4a L-2023-040 Attachment, Enclosure 2

FLORIDA POWER & LIGHT COMPANY

TURKEY POINT CLEAN ENERGY CENTER ANNUAL AMERICAN CROCODILE (Crocodylus acutus) REPORT

FEDERAL PERMIT TE092945-4

January 2023



FLORIDA POWER & LIGHT COMPANY JUNO BEACH, FLORIDA

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EXECUTIVE SUMMARY

The 2022 American crocodile nesting season was a success at Turkey Point. A total of 33 successful nests were found within the cooling canal system (CCS) as well as a total of 512 hatchlings captured, processed, tagged, and released. This is the highest number of successful nests ever found at Turkey Point in the history of the program. 512 hatchlings marks the third-most hatchlings in program history behind 565 in 2021 and 548 in 2009. Again in 2022, efforts made to prepare the historical nesting locations, as well as the work done to improve the quality of the cooling canal system contributed to the nesting and hatching success. This strategy will continue in 2023 to maintain Turkey Point as critical habitat for the American crocodile.

1.0 INTRODUCTION

The Turkey Point Clean Energy Center is located on an approximately 11,000-acre coastal site in South Florida. The facility consists of two nuclear powered generating units (Units 3 and 4) and one natural gas-fired combined cycle generating unit (Unit 5). The Turkey Point Clean Energy Center is bordered by FPL's 13,000-acre Everglades Mitigation Bank to the south and west, Biscayne National Park to the north, Biscayne Bay to the east and the Everglades to the west. It is located within Sections 27, 28, 29, 31, 32, 33 and 34, Township 57 South, Range 40 East in Miami-Dade County, Florida.

In the early 1970s, FPL was required under a settlement with the Department of Justice to engineer and construct a closed loop CCS and to discontinue the use of Biscayne Bay for condenser cooling. FPL began operating this 5,900-acre system in 1972. The American crocodile was first discovered on site in 1976, and the first nest was observed in 1978. Thus, FPL has monitored crocodile nesting and the overall population at the Turkey Point site since the 1970s. In 1979, the majority of the Turkey Point Clean Energy Center was designated as critical habitat for the American crocodile by the U.S. Fish and Wildlife Service (FWS). The CCS offers optimum nesting, foraging, breeding and basking habitat for the crocodile. The CCS has elevated berms that protect nests from flooding, appropriate nesting substrate, security from human disturbance, isolation from nest and hatchling predation, and access to lower salinity refugia on CCS berms. The crocodiles nesting in the cooling canals represent one of the three nesting populations in the United States.

In the 1980s, FPL initiated a management program at the Turkey Point Clean Energy Center site to benefit the American crocodile. The management program includes:

- Preserving and creating habitat suitable for crocodile nesting and basking
- Establishment of exclusion zones during the nesting season
- Monitoring surveys to document population size, activity, growth and survival
- Relocation of hatchlings to lower salinity areas to increase survival
- The construction of ponds for use as hatchling refugia
- Prohibiting automobile use, road maintenance and other construction activities within the CCS at night and during critical periods of the nesting season
- Establishing speed limits and crocodile crossing areas

Providing crocodile/wildlife training courses for all on-site personnel, including contractors.

The management activities conducted by FPL have resulted in an increase in the crocodile population. In part, due to FPL's conservation efforts directed toward supporting this species, the American crocodile was downlisted from an endangered species to a threatened species in 2007.

This annual report provides a detailed summary of the crocodile monitoring activities conducted in 2022. FPL's monitoring plan consists of night nesting/hatchling, day nesting, interceptor ditch, spatial distribution, and capture surveys. Qualitative and quantitative data are included in the report for all surveys except for the spatial distribution and the capture surveys, which were conducted under other state and federal permits.

	Type/Requirement	Periodicity
2.1	Night time surveys	Conducted from April through mid-August.
2.2	Day time surveys. Potential nest survey.	Conducted to locate all possible nest sites. April through mid- August.
2.3	Interceptor Ditch survey (ID canal)	~ Once per week, year-round.
2.4	Biological Opinion - Activity monitoring of entire CCS.	 2.4.1 Spatial distribution survey. Consist of two to three nights per event 2.4.2 Capture survey. Three vearly events, ~three nights per
		event.

2.0 PROCEDURES AND INSTRUCTIONS

2.1 Night surveys

2.1.1 Type of survey: An airboat survey of the nesting hot spots of the year. Conducted at night and starting at sundown.

2.1.2 Objective: To locate any hatched nests and capture the hatchlings in the surrounding areas. Observations of possible new nests, female activity, and potential hatching activity are documented. Night surveys are also used as a time to release marked hatchlings back into ponds within the CCS.

2.1.3 Equipment: Airboat, 200,000 candle power spot/flood beam or handheld spotlight, low-powered head beams (to spot hatchling eye shine), handheld flashlights, canvas hatchling bags, thermometer, salinity refractometer, GPS, and field notebook.

2.1.4 Specific instructions:

- Review the night's survey plan: areas that will be surveyed, recent nest activity, and any other objectives.
- Contact security at phone extension 6074 and inform them about the survey activities and how long the survey is expected to last.
- Gather equipment and inspect the airboat.
- At the start of the survey (when in airboat), document weather conditions, time, and persons conducting the survey in field notebook.
- Salinity, air temperature, and water temperature are taken at the location of the captures.
- Proper field book documentation of activities throughout the survey is required. Examples include location(s) of hatchlings captured, nest locations, areas surveyed. See Appendix 1.
- Once the survey is completed and biologists have returned to the dock, document the time and add any last comments.
- Place all hatchlings in the proper aquariums inside the Land Utilization Bldg.; make sure all documentation for hatchling aquariums is complete.
- Place all equipment in proper storage areas.

2.2 Potential Nest Survey

2.2.1 Type of survey: Daytime airboat survey in the cooling canals to locate potential nests and monitor adult female visitation of nest sites, usually conducted during early morning hours.

2.2.2 Objective: To locate potential nest sites for the year, locate hatched nests, and document activity that will indicate a nest is about to hatch. The nest surveys gather the information needed to indicate where the night surveys need to focus. Historic crocodile sanctuaries are marked with 4-5 signs. This allows us to keep those areas completely undisturbed from anyone besides the biologist.

2.2.3 Equipment: Airboat, GPS, thermometer, salinity refractometer, canvas hatchling bags, plenty of drinking water, flagging tape, and field notebook.

2.2.4 Specific instructions

- Gather equipment and inspect the airboat.
- Document start time of survey and weather conditions and persons conducting the survey in field notebook.
- Survey crocodile hot spots for potential nests. Look for drags and slides on the side of berms.
- Upon finding a potential nest site, document location in the field notebook and flag the area.

- Upon finding areas of activity, such as tail drags, slides, digging, and test holes, document activity in the field notebook.
- Upon finding a hatched nest, document locations, GPS coordinates, and assign a nest number. Dig out the nest and document the number of hatched eggs, number of infertile eggs, and number of crocodiles to match up with total number of eggs.
- Survey surrounding area for hatchlings, if possible, make captures. Document exact location of hatchlings to allow for ease of capture during the night survey.
- Throughout nest surveys, document any crocodiles 2.0 m and over found around any potential nest site.
- Document time back to lab. Document any recent hatched nests on a cooling canal map.

2.3 Interceptor Ditch Survey (ID canal)

2.3.1 Type of survey: Truck survey is usually conducted during morning hours. Biologists survey the entire Interceptor Ditch Canal.

2.3.2 Objective: To document any crocodile observed while driving from the south end to the north end of the ID. Write down a size estimate in meters, position in canal, and location in miles (either calculated by the vehicle's odometer, or by using a GPS). During non-nesting/hatchling season, the survey is conducted approximately once per week. Due to the heavy workload experienced during the nesting and hatchling seasons, the ID surveys are conducted when personnel are available.

2.3.3 Equipment: Truck, field notebook, GPS, binoculars, and if at night, a spotlight.

2.3.4 Specific Instructions

- Drive to the southwest end of the cooling canals.
- Begin survey at the south end of the ID canal. Write down starting time and weather conditions. Set odometer to zero on the vehicle or record the GPS location.
- Begin survey by driving north and scanning ID canal for any crocodiles. For approximately the first mile, observe crocodile activity in the C-107 canal, which is adjacent to the ID canal.
- Once an animal is observed, document the size, position in canal, and the location in miles or GPS coordinates.
- Continue survey until the north end of the canal is reached at about 5.5 miles.
- Throughout the survey, document any interesting observations or other animals seen.

2.4 Additional survey requirements

As referenced in the 2019 Biological Opinion issued by the USFWS, FPL will "continue the crocodile health and condition surveys for the duration of NRC-licensed operations or unless otherwise agreed upon by FPL, the Service, and the NRC. Every two years, FPL, the Service, the NRC will meet to discuss the monitoring methods and the need for continuation."

"Data collected shall include animal size, GPS location, salinity, and air/water temperatures."

2.4.1 Spatial distribution survey

2.4.1.1 Type of survey: Airboat survey of the entire CCS, conducted by an FPL crocodile biologist and two University of Florida (UF) biologists. The entire CCS is covered in a 2-3 night period. A truck survey of the ID canal is conducted as part of the requirements, as well.

Throughout the cooling canals, data loggers have been set at specific locations to gather temperature. During the survey, periodic stops at the data loggers allow the UF biologists to download the data.

2.4.1.2 Objective: To thoroughly survey the entire CCS documenting the size and location of any crocodile found.

2.4.1.3 Equipment: Airboat, 200,000 candle power Q-beam or handheld spotlight, GPS.

2.4.1.4 Specific instructions

- Biologist will contact security at 6074 and inform them about the activities of the night.
- Biologist will meet with UF biologists at a designated time (usually before sundown).
- The survey is broken into four parts. Part 1 is Cooling Canal Sections 1, 2, and 3 on the west side; Part 2 is section 4 on the west side; Part 3 is section 5 on the west side; and Part 4 is the entire east side along with the ID truck survey.
- Document start of survey and names of the biologist doing the survey.
- Go to designated starting area for that night's section.
- Biologist or air boat operator will drive the boat while one person spots the animals and the other writes down the data.
- When an animal is spotted, the driver will approach the animal at a reasonable speed, ease off the accelerator, and allow for the spotter to get a look at the animal. The biologist will then estimate the size, a way point is taken, and the information is documented. This will occur throughout the survey.
- Data loggers are positioned at certain locations. Once a data logger is located, the driver will approach slowly. The data logger's information is downloaded, and the data logger is returned to the water.
- Salinities are also taken at specific locations.
- Proper general housekeeping is performed after each survey.
- Information gathered by the biologists is kept in the FPL crocodile database.

2.4.2 Capture survey

Permit requirement: Additional data shall be collected to determine changes to growth and survival of crocodiles within the CCS. The entire CCS shall be surveyed at least three times a year for three days and three nights per event. Data collected shall include biometric data for each crocodile that is hand captured or trapped.

2.4.2.1 Type of survey: This survey utilizes a truck and airboats during both the day and night. It covers the cooling canals, C-107, and Sea Dade canals. The survey is conducted with FPL crocodile program staff and the UF biologists.

2.4.2.2 Objective: Over the designated time period for the survey, biologists attempt to capture any crocodile encountered. The biologists will gather various measurements and biometric data. Once the data are collected, the crocodile is then released.

2.4.2.3 Specific Instructions:

- Teams of at least three biologists per airboat, and a total of two airboats will be assigned specific sections of the CCS.
- In addition, a team of two biologists will conduct a truck survey of the Interceptor Ditch Canal.
- Each team and airboat will conduct surveys for animals within the pre-determined sections.
- Once an animal is spotted, the attempt for capture begins utilizing the snare technique. For animals less than one (1) meter in length, hand capture is preferred.
- Biometric data is recorded and later analyzed for growth and population status.
- All animals are micro-chipped and scutes are clipped for ID purposes and DNA testing.
- Proper general housekeeping is performed after each survey.
- Information gathered by the biologists is kept in the FPL crocodile database.

3.0 RESULTS

In 2022, all surveys included in the monitoring plan were conducted. ID surveys were conducted less frequently compared to 2021 due to the increase in other monitoring activities (i.e. crocodiles, tegus, iguanas, pythons).

There were 33 successful nests and 512 hatchlings captured, processed, tagged, and released in 2022. The first successful nest was discovered on June 27, 2022 and the last successful nest was located on August 16, 2022.

For more on these results, see Figure 6, Table 1 and Table 3.

4.0 DISCUSSION

The 2022 nesting and hatchling season proved to be a success for the American crocodile. Since the start of the program in 1978, the number of nests found in 2022 is the most documented (Table 1). FPL attributes this to the continued commitment to improving and protecting ideal crocodile habitat. This year, several hatchlings captured within the CCS were released back into the CCS for the fifth consecutive season, which is a decision made as a result of the improved quality of the CCS. The processed hatchlings were only released into the CCS towards the end of the season to avoid recapturing already processed crocs.

This section will discuss the 2022 nesting locations, hatchling data, CCS status, 2022 nesting season preparations and outreach.

Crocodile Nests

During the 2022 American crocodile nesting season, a total of 33 successful nests were found. There were no signs of nest predation during incubation this season; however, there were predators such as raccoons, coyotes, Argentine black and white tegus, crabs, a house cat and various bird species documented on our trail cameras that were placed in crocodile nesting areas. On July 18, 2022 at 1:56 AM, a coyote was caught on camera digging up a crocodile nest. Fortunately, the nest was inspected on the night of July 12 and the hatchlings were already recovered. Several raccoons were documented on camera in the test canal area but were unsuccessful in locating any crocodile nests. The house cat was out of the ordinary as they are not a native species and usually do not occur in the natural areas of the site. It was only caught on camera once in the test canal area.

The 29 nests located within the CCS indicate suitable conditions for the crocodiles to safely nest. The interior berms of the CCS provide ideal nesting and nursery habitat while also keeping the crocodiles away from roads and people. There were 19 nests found on the west side of the CCS (sections 1-5) and 10 nests found on the east side (section 6/east side). Out of the remaining four nests, two were found in the test canal area, one was found along the ID canal and the last nest was found in the mitigation crocodile sanctuary (MCS) (Figures 2 and 6). Nest 2122 along the ID canal was a surprise as the nest was in rather rocky substrate. History shows this does occasionally happen but certainly does not seem to be the preference of the crocodiles for nesting.

Effort was made to clear historical and suitable nesting habitat of overgrown vegetation to encourage nesting within and around the CCS. The areas cleared by FPL biologists continue to be used, showing that the crocodiles are benefitting from FPL pre-nesting season preparations. In 2022, continued efforts were made to remove invasive plant species such as Australian pine. Several nests were dug in areas where FPL had removed Australian pine trees, creating softer pockets of substrate. There was also an increased effort to burn the pine trees and pine needles that were piled up on the berms within the CCS. Drip torch lighting of the piles was the primary method as well as linear

fires up the berms to burn pine needles as well as seeds and saplings. The burning happened over a span of five total days the week of January 12, 2022. The burns primarily occurred on the east side of the CCS and we had 10 nests there in 2022 compared to nine in 2021. The burns and removal of Australian pine canopy did not negatively impact crocodile nesting. This mitigation work will allow for native recruitment moving forward.

The two northernmost nests were laid in the test canal area. Nest 0622 was laid in a sand mound that FPL biologists purposefully placed in 2018 to encourage the crocodiles to nest away from the road after a nest was found along the road in 2017. This was the third consecutive time a crocodile used the sand mound since it was placed. Nest 0722 was laid in a pile of substrate that was placed there after maintaining the test canal area over five years ago. This was the second consecutive year this croc used the substrate pile.

Several female crocodiles utilized the existing ponds that were designed and built on the berms to attract them. Once the female collects the hatchlings from their nest, she then transports them to these ponds, which are lower salinity nurseries, essential to hatchling survival. Ten camera traps were placed at potential nest sites located near the ponds to monitor crocodile activity, as well as invasive species predation. These cameras were able to capture the female crocodiles exhibiting nesting behaviors (see 6.0 Photos below). The crocodiles' use of these refugia reinforces the importance of having them throughout the nesting habitat at Turkey Point.

The 2022 season began with the first hatched nest discovered on June 27, 2022 in the CCS on B12SXN4(south pond). The remaining successful nests hatched throughout June, July and August with the last hatched nest discovered on August 16, 2022 on B4ESXN4(N). The timing of the 2022 hatching is similar to that of previous years, however, due to the increase in activity, it did take longer to get to all of the nests that were hatching at similar times.

Hatchlings

During the 2022 season, 512 hatchlings were captured, processed, and released back to suitable nursery habitat within the Turkey Point property. The average weight of the hatchlings was 55.5 grams, and the average total length was 25.9 centimeters, fitting usual patterns from previous years (Table 4). The success of finding 33 nests and capturing 512 hatchlings could be attributed, in part, to the work done prior to the season to prepare the nesting habitat, the increased effort by FPL biologists conducting nesting surveys and the CCS conditions continually improving. Prior to the 2022 nesting season, the berms with historical nesting areas were prepped and cleared of overgrown and exotic vegetation. This work facilitated the biologist's ability to observe any nesting behavior and activity around the potential nest sites and encourage female crocodiles to return to preferred sites.

This year, 334 hatchlings were released in four ponds built specifically as hatchling refugia just south of the CCS in the MCS of the Everglades Mitigation Bank (Figure 5). These ponds serve as a fantastic nursery that the crocodiles can eventually outgrow and then venture into Biscayne Bay or surrounding habitats. There were 109 hatchlings released into the C-107 canal, which has ideal mangrove cover, food sources, and is in close proximity to the L-31 canal, ID canal, and CCS.

Lastly, 69 hatchlings were released in the southern portion of the CCS at B29SXN5(south pond). This is the fifth consecutive year hatchlings have been released within the CCS due to significant improvements made to the water quality and habitat. There were significantly less hatchlings released into the CCS in 2022 compared to the 281 in released in 2021 in an attempt to decrease the amount of hatchling crocodiles coming into work areas and roads. Although we know the habitat within the CCS is ideal, we do not want to increase the risk of human/crocodile conflict by releasing higher numbers into the system. FPL still released a substantial amount into the CCS were captured in the cooling canals. Information regarding release locations is included in Table 4.

CCS Status

In 2022, the CCS continued to experience reductions in salinity which was the result of above normal rainfall combined with FPL's addition of low salinity Upper Floridan aquifer water during times when evaporation exceeded rainfall. Through continued implementation of the 2016 Nutrient Management (NMP) and Thermal Efficiency (TEP) plans, nutrient concentrations continued to decline throughout the year and increased thermal efficiency continues to lower average CCS temperatures (4.5 degrees F lower since 2013). During 2022 the algae concentrations in the CCS have also significantly declined allowing for increased visibility and overall improved conditions in water clarity. Additionally, over seven acres of *Ruppia maritma* pilot sites have been planted throughout the CCS in efforts to re-establish healthy seagrass beds to sequester CCS nutrients and maintain stability of canal sediments. Seagrass planting sites show promising growth and even expansion in some areas.

A significant component of both the NMP and TEP is vegetation management on the berms within the CCS. Removal of exotic woody vegetation, primarily Australian pines, improves air flow across and heat exchange of the cooling canals while removing a significant source of biomass-based nutrients from entering the canals. Vegetation management throughout the site also appears to be beneficial to croc nesting habitat, with over 1,400 acres treated and removed.

2023 Habitat Preparations

To prepare for the 2023 nesting season, crocodile nesting hot spots are being evaluated to determine if maintenance is needed at each of the sites. FPL has plans to replace
organic soil in the MCS with a rockier substrate that is more favorable to native grasses and less favorable to exotic species. This rockier substrate will keep vegetation lower throughout the year allowing the crocodiles and other wildlife more access to the areas. The goal is to have accessible nesting areas year-round, encouraging more females to investigate this area outside of nesting season. FPL also plans to clear vegetation in areas that no longer allow for crocs to enter due to excessive growth, such as some of the release ponds in the MCS. This will allow for more crocodile access as well as make it easier for biologists to survey and monitor. We will continue to remove excessive ground vegetation and exotic species. The plan is to till nesting areas to free the substrate of grasses and roots, making the area more appealing to nesting females. As the tegu population continues to increase FPL will be more diligent with our trapping efforts. This year alone, FPL has trapped 26 tegus in 71 days of trapping compared to 12 tegus in 85 days of trapping in 2021.

Outreach

In addition to monitoring the crocodile population at Turkey Point, FPL biologists continue to educate the public on this threatened species. FPL works with media outlets and schools to showcase the efforts of the crocodile program. The FPL crocodile team highlighted the crocodile program by participating in local community events and career days at schools in Miami-Dade County in 2022. FPL's crocodile program was featured on nationally televised programs such as Mutual of Omaha's Wild Kingdom, Nat Geo and Discovery. In addition, presentations/tours were given to county officials as well as other members of the community.

5.0 CONCLUSION

The American crocodile population continues to remain in a much stronger position than before the Turkey Point CCS was established. Today, crocodiles continue to migrate in and out of the system and call the system home.

With the environmental improvements taking place within the Turkey Point CCS, the American crocodiles had 33 successful nests. This resulted in 512 hatchlings being captured, processed, and released at Turkey Point in and around the CCS.

FPL will continue to monitor the Turkey Point population in order to better understand the trends for this threatened species and expects continued success.

6.0 PHOTOS

Photos from Camera Traps





FIDGETEC06-24-202223:20:051/127 C**(**L00KPhoto 2: Female crocodile picking up eggs to assist offspring in hatching and taking them to a CCS pond



Photo 3: Female crocodile taking her hatchlings from her nest to one of the CCS ponds



Chart 1. American Crocodile Data from Turkey Point Clean Energy Center 2013-2022

Table 1. American Crocodile Data from Turkey Point Clean Energy Center 2013-2022

Number of:	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Captured Hatchlings	429	409	119	127	46	225	365	316	565	512
Successful Nests	25	25	9	8	8	14	27	22	28	33
Adults Sighted in ID Canal	275	157	124	82	329	736	349	243	83	119
ID Survey Events	25	13	9	15	51	79	36	29	9	19

		2022 Crocodile Nests		
Date	Nest Number	Berm Location	Easting	Northing
6/27/2022	01-22	B12SXN4(S pond)	0565457	2807336
6/30/2022	02-22	B11SXN2(N pond)	0565537	2811385
7/5/2022	03-22	Spivey Pond (S mound)	0566657	2811321
7/5/2022	04-22	B2ESXN5(S pond)	0566862	2804854
7/7/2022	05-22	B10SXN2(N pond)	0565538	2811387
7/12/2022	06-22	TCERD (Sand pile)	0566248	2813224
7/12/2022	07-22	TCWRd Pond 2(S)	0566158	2813278
7/12/2022	08-22	B16SXN2(N)	0565091	2811357
7/12/2022	09-22	B12SXN4(M pond)	0565441	2807738
7/13/2022	10-22	B23SXN4(M)	0564469	2807162
7/14/2022	11-22	B13SXN4(N pond)	0565365	2807349
7/14/2022	12-22	B26SXN5(M pond)	0564204	2805825
7/14/2022	13-22	B5ESXN4 (N pond)	0567055	2807822
7/19/2022	14-22	B1ESXN5(S)	0566779	2804917
7/21/2022	15-22	B11SXN3(N)	0565527	2809508
7/21/2022	16-22	B1ESXN5(S)	0566778	2804915
7/21/2022	17-22	B12SXN4(M)	0565445	2807482
7/22/2022	18-22	B10SXN2(S)	0565615	2809727
7/26/2022	19-22	B12SXN4(N pond)	0565455	2808015
7/26/2022	20-22	B13SXN4 (S pond)	0565445	2807470
7/27/2022	21-22	ID Nest	0563656	2805466
7/28/2022	22-22	B4ESXN2(M)	0567055	2810105
7/29/2022	23-22	B15SXN4(M)	0565188	2807645
7/29/2022	24-22	MCSM3W	0566070	2803941
8/2/2022	25-22	B2ESXN5(M)	0566857	2804911
8/2/2022	26-22	B1ESXN4(S)	0566769	2806567
8/4/2022	27-22	B20SXN4(S)	0564741	2806488
8/4/2022	28-22	123 4/5 cut	0564467	2806311
8/4/2022	29-22	B25SXN4(M)	0564294	2806677
8/9/2022	30-22	B29SXN5 (S pond)	0563949	2804760
8/11/2022	31-22	B12SXN4(S pond)	0565435	2807353
8/11/2022	32-22	B3ESXN3(M)	0566955	2808969
8/16/2022	33-22	B4ESXN4(N)	0567141	2808024

Table 2. UTM Easting and Northing of Nest Locations in 2022

				2022 Nest Surveys	
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				No fresh activity at new sand mounds other than iguanas. Flock of approx 20 white ibis	
				were utilizing main big pond. 2.5m female at the end of the finger canal. Manatees	
				breeding in Card Sound canal. Mother and calf manatee also swimming through culverts at	
1/14/2022		MCS Survey		Sea Dade.	ML
2/1/2022		MCS Survey		No croc activity on new sand mounds	ML
				Ground has dried and truck can pass all the way through. Roads much wider and all cat	
				tails have been removed. Areas are much more exposed but it shouldn't take long for the	
3/10/2022		Test Canal Survey		native vegetation to fill back in.	ML
				No croc activity. Sand mounds look great and vegetation free. Set up first camera at MCS	
				M4W. Cleared paths to sand mounds so can be seen from water. Need to bring post to	
3/10/2022		MCS Survey		install camera at MCS M2E.	ML
3/18/2022		Test Canal Survey		No croc activity. Installed camera at TCWRdP7S. Trimmed around camera and nesting area.	ML
				B12SXN4(S pond) - Heavy croc nesting activity next to pond. Same spot as last year.	
				Spivey Ponds - Both areas disturbed by crocs. Area south of Spivey where frog spawning	
3/31/2022		Nest Site Survey		area is has croc activity as well.	ML
				M1W - Fresh croc activity	
				M3E - Fresh croc activity	
				Rest of mounds - no croc activity	
				Saw 1.2 adult animals in the finger canals. I am assuming that both of these females are the	
				ones that checked out the nesting areas at M1W and M3E.	
				Drove along ID and saw 12 adult crocs. 11 of them female.	
				Nest Site Survey Test Canals - No new croc activity	
4/6/2022		MCS Survey		Did these surveys with 3 folks from St. Lucie/In Water Research Group	ML
., _,				M1W - Installed camera	
				M4W - Adjusted camera and turned back on. Fresh croc activity.	
				M3E - No croc activity	
4/8/2022	13:00	MCS Survey		Rest of MCS no croc activity	ML
., 0, 2022				ML and Avishka G. from UF completed datalogger survey.	
				130 4/5 cut- no croc activity , no water in pond.	
				B3ESXN2(N)- fresh croc slides. E side habitat is completely different. Almost all pine trees	
				have been removed creating a much warmer and less shaded habitat. it will be interesting	
4/20/2022				to see what the crocs do this year.	ML, AG

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				2022 Nest Surveys	
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				Chivey Band N mound, definite cross activity. MI put a samera up and removed versitation	
				Spivey Fond N mound there was also fresh area activity	
				IN OF Spivey Politic N mound there was also fresh cloc activity.	
4/22/2022	44.00	North City, Communi		spivey Pond's mound- no croc activity, water in main pond extremely clear. Much more	2.41
4/22/2022	14:20	Nest Site Survey		clear than usual.	
				TCWK077 (S)- no croc activity	
4/22/2022		Test Canal Survey		I LERG Sand Mound- possible croc activity	ML
				BLOSKN2(N) fresh erec activity	
				BLISXN2(N)- fresh croc activity, probable nest	
				BIDSXN2(N)- Croc activity present	
				B125XN4(N)- Fresh croc activity. Definite nest N of pond in lantana. Note* Red Mangroves	
				are growing great on the perimeter of this pond.	
				BL2SXN4 in between M pond and S pond there are 2 possible nests on W side of berm.	
				Heavy croc activity. Hagged both spots with orange reflective tape.	
				B12SXN4 (S pond)- definite nest on E side of pond by usual camera trap area. Put camera	
				trap out	
				B12SXN4 (S pond) on west side of berm, definite croc activity. More than likely a nest.	
				Marked with orange reflective tape.	
				B12SXN4 (M pond)- Installed camera at the same spot she nested last year. 2 areas were	
				investigated by crocs. Possible nest or 2 here.	
				Surveyed up and down canal 12 & 13 no croc activity.	
				B13SXN4 (N) E side- keep an eye on. Potential croc activity.	
				B20SXN4(S)- Definite croc nesting activity just N of spot from last year. 2 areas disturbed by	
				crocs, could be 2 nests.	
				B27SXN4 through B29SXN4 no croc activity.	
				*Need to mark B25SXN4 with reflective ribbon.	
				I30 4/5 cut- no croc activity; young red mangroves are growing on perimeter of S side of	
				island.	
				I31 4/5 cut- no croc activity	
				B31SXN5(M) on W side- definite croc activity. It is marked with red tape from previous	
				year. Need to mark with reflective tape.	
				On W side of B27SXN5(S)- potential croc activity	
4/26/2022	13:45	Nest Site Survey		C32 through C28SXN5- no croc activity.	ML
4/27/2022	11:00	Nest Site Survey		EMB- no new activity; no crocs in finger canal	ML,JW
				Sand pile E survey- defintite activity. There was a softshell turtle egg present. Both other	
4/27/2022		Test Canal Survey		test canal nests are active as well.	ML

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				2022 Nest Surveys	
	Time				
Date	Start	Type of Survey Ne	est Number	Comments	Surveyor
				DOA croc found in ID Canal. HL:49.5 SV:186.5 TL:351.3 TG:74.6 S: Male	
				GPS:0563640,2805393. Croc was floating belly up in the ID canal. No obvious signs of	
5/20/2022		DOA		trauma. We pulled croc out with telehandler and dumped in mitigation bank.	ML
				E Rd- no croc activity	
5/20/2022		Test Canal Survey		W Rd- no croc activity. Puddles all in road, no evidence of fresh croc slides.	ML
				B2ESXN5(S)- croc activity on E side of berm. This survey is being completed after heavy	
				rains. The slides are tough to see. Water is the highest I have ever seen it. Entire E side of	
				CCS is pineless. The habitat is significantly altered.	
				B2SXN5(S)- W side potential croc activity.	
				B2SXN2(N)- no croc activity	
				B3ESXN2(N)- evident croc slide	
6/8/2022	9:00	CCS		B4ESXN2(M)- marked with orange flagging. Potential croc activity.	ML
				B10SXN2(N)- no croc activity	
				B11SXN2(N)- no croc activity; habitat looks great	
				B16SXN2(N)- looks like there are slides from this season. No fresh slides. Saw Great Horned	
				Owl on islands on Western most canal SXN2. Was in the pines.	
				B31SXN4(N)- put orange reflective flagging. potetial activity/nest	
				B28SXN4(M)- put orange flagging for potential croc activity	
				B25SXN4(M)-put orange flagging, potential croc activity	
				B20SXN4(M)- put orange flagging, potential croc activity	
6/14/2022		CCS		Checked from B32SXN4 through B17SXN4	ML
				Start at C16SXN4.	
				B15SXN4(M) on E side of berm- Definite croc activity; put orange flagging.	
				B14SXN4(N)- put orange flagging; potential croc activity E side of berm	
				B14SXN4(M)- put orange flagging; potential croc activity E side of berm	
				B12SXN4(M)- marked with orange flagging, Definite croc slide W side.	
				B12SXN4(N pond)- croc acitvity	
				B12SXN4(M)- Least terns nested on the cleared area	
				Checked from C16SXN4 through C10SXN4	
				I31 4/5 cut- no croc activity	
				I30 4/5 cut- no croc activity	
				B31SXN5(M)- W side, definite croc activity. Marked with orange flagging.	
				B31SXN5(M) (more N) on W side- put orange flagging, Croc slides present.	
				B31SXN5(M)- on E side of berm put orange flagging. obvious croc slide.	
6/15/2022		ccs		Surveyed from C32 through C28 SXN5	ML

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	2022 Nest Surveys					
	Time					
Date	Start	Type of Survey	Nest Number	Comments	Surveyor	
				All mounds had iguana activity. Grass growing very high throughout MCS. For the most part		
				sand mounds have stayed grass free. Removed random patches of greenery. No croc		
6/16/2022		MCS Survey		activity. No crocs at end of finger canal	ML	
				W Rd- no croc activity		
				E Rd- sand pile- fresh croc activity		
				TCERdP2(S)- fresh croc activity		
6/16/2022		Test Canal Survey		TCERdP3(S)- fresh croc activity	ML	
				There was a report of nesting activity off of the E Grand Canal Rd. There is a clear slide		
				from Grand Canal to the E road. Upon inspection the slide leads to an area that holds fresh		
				water. I did not find any nesting ativity, however I did flag it just in case and will continue		
				to monitor it.		
				Spivey(S) mound- heavy croc activity		
6/22/2022		Nest Site Survey		Rest of Spivey area- no croc activity	ML	
				E Rd Pd2(S)- croc activity		
				E Rd sand mound- croc activity		
6/22/2022		Test Canal Nest Site Survey		W Rd- no croc activity	ML	
				E side- went down Grand Canal saw 2 obvious slides heading E. No nesting observed		
				B4ESXN4(M)- on W side of berm I put orange flagging for croc activity		
				Saw Great Horned owl in SXN5		
6/23/2022		CCS		Surveyed rest of E side- no croc activity	ML	
6/23/2022		Nest Nighttime Survey		ML is checking W side with Thomas, Danny & Cole. Avi & Kenny are surveying E side	ML, TW, DB, CT, AG, KS	
				ML, Ryan M, Savi S, and Avi G surveyed W side		
				B12SXN4(S pond)- retrieved x22 hatchlings. Believe there were at least 2 that we missed. 2		
				yearlings were alse in pond (Nest 0122)		
				Kenny S and Cole surveyed E side- no croc activity		
				W side- C11SXN4 through C13SXN4- no croc activity		
				C20SXN4 through C25SXN4- no croc activity		
				C27SXN5- no croc activity		
				C28SXN5 through C32SXN5- no croc activity		
				B29SXN5- dropped flashlight. Need to go back during day to look for it		
6/27/2022		Nest Nighttime Survey	0122	B10SXN2, B11SXN2, B16SXN2- no croc activity	ML, RM, SS, AG, KS, CT	
				ML, Noah Carlcia& Jenny Paul		
				B5SXN4- flagged area on N side of berm. Looks like croc nest		
				B12SXN4(S pond)- no croc activity		
				B12SXN4(N pond)-no croc activity		
6/28/2022		CCS Nest Daytime Survey		B29SXN5(S pond)- no croc activity	ML, NC, JP	

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	2022 Nest Surveys					
	Time					
Date	Start	Type of Survey	Nest Number	Comments	Surveyor	
				No croc activity. Extremely overgrown. The areas need to be trimmed post croc season.		
6/29/2022		MCS Survey		The walkways need to have poisonwood removed	ML	
6/29/2022		Test Canal Nest Site Survey		No new croc activity	ML	
				B10SXN2(N)- no croc activity B11SXN2(N)- Nest 0222 hatched with 14 hatched eggs and 1 infertile. Hatchlings are in the pond. Potential for 2 nests B16SXN2(N)- fresh croc activity B13SXN4(M ponds) no croc activity B12SXN4(M pond)- no croc activity. There are fish in pond B12SXN4(M pond)- no croc activity B12SXN4 (M pond)- no croc activity B12SXN4 rest of berm- no croc activity B12SXN4 rest of berm- no croc activity I30 4/5 cut- no croc activity B12SXN5(S)- on croc activity B12SXN5(S)- on E side of berm- fresh croc activity B12SXN5(S)- Definite nest. Marked with orange flagging on W side of berm almost directly across from B1ESXN5(S) nests		
6/20/2022		CCS .	0222	B2ESXN5(S)- Just south of the above mentioned nest- definite croc activity leading into S	N/I	
6/20/2022		CCS Nest Night Survey	0122	ML, JW & Alvaro Velasco went to nest 0222. Collected total of 33 hatchlings B10SXN2(N)-no croc activity B16SXN2(N)-no croc activity B12SXN4(S pond)- caught 1 straggler (Nest 0122) Caught total of 34 hatchlings B26SXN5(N)-no croc activity B20SXN4(S)-no croc activity B25SXN4-no croc activity Canal 32 all the way down- no croc activity Kenny Snivey & Danny survey E side- no croc activity		
7/1/2022		Test Canal Nest Site Survey		No new croc activity	ML	

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			2022 Nest Surveys	
Ti	me			
Date St	art Type of Survey	Nest Number	Comments	Surveyor
			Saw new hacthing on camera night of 7/4/22. Went out to confirm	
			Nest 0322- Spivery Pond (S Mound)	
			There were 24 hatched eggs. 1 hatchling on exposed nest. 8 dead hatchlings. It looked like	
			a combination of underdeveloped hatchlings and fully developed hatchlings that may have	
			been flattened by the mothers weight. They were pushed into the dirt in her travel path.	
			One hatchling that has pipped but stayed in the nest. I hatched in my hand but appears to	
			be underdeveloped. There were also 3 infertile eggs. We collected total of 2 hatchlings	
			during the day.	
			She took the rest of the hatchlings just W of the nest to the pond	
			B1ESXN5(N)- E site of berm- definite croc nest with croc activity	
			B2ESXN5(S)- on W side the N of two S nests- fresh slides, but hasnt hatched yet	
			B1ESXN5(S)- on E side- fresh activity	
			B2ESXN5(S)- southernmost nest of W side of berm- Nest 0422- 3 hatched eggs, 2 hatchlings	
			dead in eggs, 3 infertile eggs. Nest is most likely 1-2 days old. Did not see hatchlings in	
			pond.	
			B4ESXN4(N)- W side of berm- definite croc nest with fresh slides. Put orange reflective	
			flagging	
		0322	B4ESXN2(M)- E side of berm- fresh slides. Likely a nest. Marked with orange reflective	
7/5/2022	CCS	0422	flagging	ML
			Sand pile- fresh croc slides. Installed camera. Several iguana and turtle nests hatched in	
			mound.	
7/5/2022	Test Canal Nest Site Survey		TCW RdP2(S)- croc slides present	ML
			ML, Mike Malden, Emily F	
			Spivey Pond (S Wound)- found 24 hatchlings. Found 2 dead in pond (Nest U322)	
			BLOSKN2 (N pond)- found 21 natchings (Nest US22)	
			E side boat checked all 6 canais	
			B2ESXN5- cound not find natchings. Nest 0422. The drags show that she took them into	
			B2ESXIV5 (S pond) and B3SXIV5(S pond), with no luck as well. Saw approx. five 2+ meter	
		0222	Tanimais. Most likely nesting remaies. We also checked dead end canal and all areas by Land	
		0422	V closer to the plant- no nesting activity	
		0422	No & momas checked C205AN4 through C205AN4- no croc activity	

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				2022 Nest Surveys	
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				ML w/ Mutual of Omaha crew, Kate Macgregor, MJH, Jessica Pineda	
				Nest 0322- caught 2 stragglers	
				Nest 0422- B2ESXN5 (S Pond)- caught 2 stragglers in canal 2 on W bank of B2ESXN2	
			0322	Nest 0522- B10SXN2 (N Pond)- caught 1 straggler	ML, KM, MJH, JP, KS,
			0422	Kenny & Avi caught 1 straggler in C11SXN2(N)- could be from B10SXN2 or B11SXN2	AG, Mutual of Omaha
7/7/2022		CCS Nighttime Hatchling Survey	0522	Total of 6 hatchlings caught	crew
				Saw TCE Rd sand pile hatching on camera. When I drove up mom croc took off. I dug up	
				rest of nest. There were 20 infertile eggs, 13 hatched eggs, 1 hatchling hatched in my hand,	
				2 hatchlings in nest, and 2 pipped eggs were present as well (Nest 0622)	
				Went to waters edge and caught 7 more hatchlings on the edge of the bank.	
				Nest 0622- TCERd Sand Pile	
				Nest 0722- TCWRdP2(S): 16 hatched eggs, 2 dead in nest. Fire ants got to them. Looks like	
			0622	she put them in P2	
7/12/2022		Test Canal Nest Site Survey	0722	Rest of TC- no croc activity	ML
				B10SXN2(N)- nest is right next to B11SXN2(N) nest on B11SXN2(N)	
				Nest 0822- B16SXN2(N)- 9 hatched eggs, 4 infertile eggs, 5 pipped hatchlings from nest	
				May be a 2nd nest as well	
				Nest 0922- B12SXN4(M pond)- 25 infertile eggs, 9 dead in egg, 4 hatched eggs, 2 crocs. The	
				nest was slightly disturbed but looks like the mother did not excavate it completely, leaving	
				most to die in the nest	
				C11SXN4- no croc activity	
				B12SXN4(N pond)- no croc activity	
				B20SXN4(S)- no croc activity	
				B25SXN4(S)- no croc activity	
				I31 4/5 cut- no croc activity	
				130 4/5 cut- no croc activity	
				B31SXN5- no croc activity	
				B1ESXN5 (E side)- fresh slides on W side of berm	
				B1ESXN5(W side)- fresh slides but nest not hatched yet	
				B2ESXN(S)- W side of berm- fresh croc slides	
				B2ESXN5(N)- W side of berm- fresh slides but not hatched yet	
			0822	B4ESXN2(M)- fresh slides but not hatched yet	
7/12/2022		CCS	0922	C1E through C5E- no other activity other than what is mentioned above	ML

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		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2022 Nest Surveys	
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				TCERd Sand Mound- found 12 hatchlings (Nest 0622)	
				TCWRd P2(S)- found 19 hatchlings (Nest 0722)	
				B23SXN4(M)- found 19 hatchlings (Nest 1022)	
				ML Cole, Avi surveyed test canals	
				B16SXN2(N)- no croc activity	
				B10SXN2(N)- no croc activity	
			0622	B11SXN2(N)- no croc activity	
			0722	went straight to assist KS and Danny with nest 1022 on B23SXN4(N)	
7/13/2022		CCS Nighttime Nest Survey	1022	KS and Danny checked C20SXN4 through C23SXN4 as well	ML, CT, AG, KS, DB
				B16SXN2- no croc activity	
				B20SXN4- no croc activity	
				B25SXN4- no croc activity	
				B31SXN5- no croc activity	
				B26SXN5- no croc activity	
				C1 E Side- no croc activity	
7/14/2022		ccs		C2 E Side- no croc activity	ML
				Nest 1122- B13SXN4(N pond)- found 5 hatchlings	
				Nest 1222- B26SXN5(M pond)- found 7 hatchlings	
				Nest 1322- B5ESXN4(N pond)- found 20 hatchlings	
				Total of 32 hatchlings caught	
				KS and Danny surveyed C20SXN4 through C26SXN4	
				ML, Blake Russ, Phil Hammond surveyed all E side ponds	
				Island w/ pond in section 1- no croc activity	
				C17SXN2 through C15SXN2- no croc activity	
				C32SXN4- no croc activity	
				C32SXN5- no croc activity	
				Found 3 recapture hatchlings from this year in Canal 32 and S collector. They were orginally	
			1122	released in C-107.	
			1222	Nest 1122- 10 infertile eggs, 1 dead in egg, 3 did not pip. They had short top snouts which	
7/14/2022	.]	ccs	1322	did not allow them to use their egg tooth to pip out of the egg	ML, BR, PH, KS, DB
	1			No new croc activity. Vegetation super overgrown but sand piles have remained vegetation	
7/15/2022		MCS Survey		free	ML
7/15/2022	!	Test Canal Nest Site Survey		No croc activity	ML

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		······································		2022 Nest Surveys	
	Time				Τ
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				Nest 1222- 14 hatched eggs in nest	
				Nest 1422- 17 infertile eggs, 3 hatched eggs in nest	
				B4ESXN4(M)- no eggs or eggshells found. Could be nest 1322	
				B4ESXN2(M)- Cane grass nest. Fresh croc activity	
				B10SXN2(N)- no croc activity	
				B11SXN2(N)- no croc activity	
			1222	B16SXN2(N)- no croc activity	
			1322	B12SXN4- no croc activity	
7/19/2022		ccs	1422	B2ESXN5(M)- fresh slides	ML
7/19/2022		MCS Survey		Still no croc activity whatsoever	ML
7/19/2022		Test Canal Nest Site Survey		No croc activity	ML
				Nest 1222- B26SXN5(M)- 14 hatchlings caught	
			1222	Nest 1322- B5ESXN4(N pond)- 1 hatchling caught	
			1322	Nest 1422- B1ESXN5(S)- E side of berm- 3 hatchlings caught	
7/19/2022		CCS Nighttime Nest Survey	1422	Total of 18 caught	ML
				B11SXN3(N)-Nest 1522- 12 hatched eggs, 2 infertile, 1 hatchling in egg	
7/21/2022		CCS	1522	B11SXN2(N)- no activity	ML
				Nest 0822- B16SXN2(N)- 10 hatchlings caught	
				Nest 1522- B11SXN2(N)- 22 hatchlings caught	
				Nest 1622- B1ESXN5(S) (second nest)- 13 hatchlings caught	
				Nest 1722- B12SXN4(M) (Canal 13)- 14 hatchlings caught	
				Total 59 hatchlings caught	
				B12SXN4(N Pond)- no croc activity	
				B12SXN4(M Pond)- no croc activity	
				Canal 11SXN4 through Canal 13SXN4- no croc activity	
				C21SXN4 through C26SXN4- no croc activity	
				C29SXN4- no croc activity	
				I30 4/5 cut- no croc activity	
				I31 4/5 cut- no croc activity	
			0822	C26SXN6- no croc activity	
			1522	C32SXN5- no croc activity	
			1622	C32SXN4- no croc activity	
7/21/2022		CCS Nighttime Nest Survey	1722	B31SXN4(S Pond)- no croc activity. Pond is crystal clear with 5 leopard frogs	ML
				Next 1622 B155YM2(C) (2nd next) 1 batched are and 1 infamily are	
			1622	Nest 1922 BLOCKN2(C) found batched past Sooms to be 1 2 weeks and 5 batched area	
7/22/2022		ccs	1022	prest 1022- DLUSANZ(3)- TOUND natched nest. Seems to be 1-2 weeks Old. S natched eggs	5.41
//22/2022	1	ILLS	17975	Ishelis in nest, west cavity is large but didn't see natchlings in buttonWood on edge	IVIL

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				2022 Nest Surveys	
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				Kenny & Avi surveyed East side	
				B2ESXN5(S)- 1 hatchling caught	
				C1ESXN5(S)- 7 hatchlings caught	
				C2EB1SXN5(S)- 2 hatchlings caught	
				ML & Danny surveyed West side	
				Found new nest hatched. Nest 1922- B12SXN4(N pond)- 13 hatchlings caught. Found 12	
				hatched eggs, 2 infertile, 3 hatchlings still in eggs	
				Nest 2022- B13SXN4(S pond)- 6 hatchlings caught. Haven't found nest yet, hatchlings are	
				fresh. Mom may bring more.	
				Nest 1222- B26SXN5- 1 straggler hatchling caught	
				Nest 1822- B10SXN2(S)- 2 hatchlings caught	
				C13SXN4- caught 2 straggler hatchlings	
				Total 34 hatchlings caught	
				B10SXN2(N pond)- no croc activity	
				B11SXN2(N pond)- no croc activity	
				B16SXN2(N)- no croc activity	
				C11SXN2 through C13SXN4- no croc activity	
				Went to C12SXN4 through C14SXN4	
				C21SXN4 through C27SXN4- no croc activity	
			1222	B26SXN5- no croc activity other than 1 straggler previously mentioned	
			1822	C32SXN5- no croc activity	
			1922	C32SXN4- no croc activity	
7/26/2022		Nighttime Nest Survey	2022	C31SXN3- no croc activity	ML, KS, AG, DB
				East road- no croc activity	
7/27/2022		Test Canal Nest Site Survey		West road- no croc activity	ML
				Marlayna reported hatchling crocs at south sampling station at ID. I went and confirmed	
				fresh hatchlings under the platform. These are going to be from Nest 2122. I didn't want	
				the mother to move hatchlings so I did not inspect around platform well for nest. Couldn't	
7/27/2022			2122	find it in the surrounding area. Will go out night of 7/28 to catch them	ML, KS, AG, DB
				B4ESXN2(M)- Nest 2222 hatched- 12 hatched eggs at nest. Most likely took hatchlings to	
				B5ESXN2(M pond)- will collect tonight	
				B2ESXN2(S) (slightly further north)- fresh croc slides and activity but no nest.	
			2222	Drove C32SXN5 looking for Nest 2122 but unable to locate	
7/28/2022	1	ICCS Davtime Survey	2122	Surveyed C12SXN4, C13SXN4, C13SXN4, C14SXN4 for Nest 1922 but no croc activity	IML

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				2022 Nest Surveys	
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				Nest 2322- B15SXN4(M)- 25 hatchlings caught	
				Nest 2122- ID Nest- 17 hatchlings caught	
				Nest 2222-B4ESXN2(M)- 14 hatchlings caught	
				C2ESXN5(S)- 1 straggler hatchling caught from unknown nest	
				B31SXN4(S pond)- 2 hatchlings caught. Need to check area for potential nest	
				Total of 59 hatchlings caught	
				ML, Thomas, JH & RN went to ID and surveyed southern portion up until land bridge	
				C1ESXN5 through SXN3- no croc activity	
			2122	C2ESXN5- no croc activity	
			2222	B1ESXN5(N pond)- no croc activity	
7/29/2022		Nighttime Nest Survey	2322	B5ESXN2(M pond)- no croc activity	ML, TW
				M3W- Nest 2422- found 6 hatched egg shells and 2 infertile eggs	
7/29/2022		MCS Survey	2422	Rest of MCS- no croc activity	ML
				Nest 2522- B2ESXN5(M)- 9 hatched eggs present. There are crocs in B2ESXN5(S pond)	
				Nest 2622- B1ESXN4(S)- freshly hatched nest. Only found 1 egg. Checked B1ESXN5(S pond)	
				but they were not present.	
				B31SXN4(S pond)- saw 2 or 3 hatchling crocs.Was able to catch 1. Will come back for	
				capture tonight	
				B26SXN5- no croc activity	
			2522	Surveyed sanctuary in 4/5 cut- no croc activity	
8/2/2022		CCS	2622	B1ESXN5(M)(Canal 2)- fresh slides but no hatched nest	ML
				ML, TW surveyed MCS and East side	
				AH, Cole, Avi Garcia surveyed West side	
				B31SXN4(S Pond)- 2 hachlings caught	
				Nest 2322- B15SXN4- 5 hatchlings caught	
				Nest 2522- B2ESXN5(M)- 14 hatchlings caught	
				Nest 2422- MCS nest- 4 hatchlings caught	
			2322	East side of Canal 1 & 2 SXN5- 2 straggler hatchlings caught	
			2422	E side of C6SXN5- 1 straggler hatchling caught	
8/2/2022		CCS Nighttime Nest Survey	2522	Total of 28 hatchlings caught	ML, TW, AH, CT, AG
				B20SXN4(S)- Nest 2722- 9 hatched eggs, 1 dead in egg and 4 infertiles. Will go out tonight	
				to try to locate	
				B1ESXN2(M)-Canal 2- Not hatched yet	
8/4/2022		lccs	2722	Drove the datalogger route. Did not see any other croc activity	ML

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				2022 Nest Surveys	······
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				Nest 2722- B20SXN4(S)- 1 hatchling caught	
				Nest 2822- 123 4/5 Cut- 3 hatchlings caught. No eggs in nest	
				Nest 2922- B25SXN4(M)- 12 hatchlings caught. No eggs left in nest. Mom was in pond.	
				Hatchlings are small. Most likely new nest. Need to search for it. Left at least 1 in pond.	
				B29SXN4(M pond)- 1 hatchling caught	
				B24SXN4(M)- 1 straggler hatchling caught	
				B23SXN4(M)- 1 straggler hatchling caught	
				C32SXN5- 1 straggler hatchling caught	
				B5ESXN2(M)- 2 hatchlings caught	
			2722	Total of 32 hatchlings caught	
			2822	Surveyed C19SXN4 through C29SXN4, C32SXN5, C32SXN4, C32SXN3, B27SXN3(N pond),	
8/4/2022		CCS Nighttime Nest Survey	2922	B29SXN4(M pond), I23 4/5 Cut, all of east side and ponds	ML
				I30 4/5 Cut- no croc activity	
				I31 4/5 Cut- no croc activity	
				C32SXN5- no croc activity	
				B26SXN5- no croc activity	
				B2ESXN5(M)- no croc activity. Thinking it might be a basking area rather than a nest. Time	
				will tell.	
				B31SXN5(S)- no croc activity	
				B30SXN5(S)-no croc activity	
				B29SXN5(S)- no croc activity	
-				B28SXN5(S)- no croc activity	
8/9/2022		CCS		B275XN5(S)- no croc activity	ML
				B295XIN4(IVI Pond)- 5 natchlings caught	
				B295XN5(5 Pond)- Nest 3022-2 natchings caught	
				CLOSAN4(M)- 5 hatchings caught in CCS	
				D255AN5-1 Straggler natching daught in CCS	
				D205XND(Middle)- 1 Hatching caught	
				Total of 12 botchling cought	
				Nort 2022 P295YN5/S Pandly nort had 14 infortile ages 2 batched ages and 2 dead in age	
				[Nest 3022- 0235/N3(3 FORU)- nest nau 14 inter the eggs, 2 hatcheu eggs and 2 dead in egg	
0/0/2022		CCS Nighttime Nect Survey	3022	Note: a meters long	MI CT TW AG
8/9/2022		CCS Nighttime Nest Survey	3022	Nest 3022- B29SXN5(S Pond)- nest had 14 infertile eggs, 2 hatched eggs and 2 dead in egg (old). Saw 2 older hatchlings spread out. Mother croc rushed me to defend hatchlings. She was 3 meters long.	ML, CT, TW, AG

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				2022 Nest Surveys	
	Time				
Date	Start	Type of Survey	Nest Number	Comments	Surveyor
				South Collector- 1 straggler hatchling caught	
				B15SXN5 (4th island in)- 3 hatchlings caught	
				Nest 3122- B12SXN4(S Pond) on west side of pond- 11 hatchlings caught	
				B3ESXN3(M)- Canal 3 marked with orange flagging- 8 hatchlings caught	
				Yearling caught in B12SXN4(S Pond)	
				Total of 24 hatchlings and 1 yearling caught	
				KS and ML closed out SXN4 by finishing to C9SXN4	
				Danny and Cole finished out SXN5 by going from C26SXN5 through C9SXN5	
8/11/2022		CCS Nighttime Nest Survey	3122	Stopped at C14SXN3	ML, KS, DB, CT
				x1 cattails at SXN3 canal 32 by cattails	
				x1 B14SXN1 N I	
				x2 B29SXN4 (M POND)	
				x14 B4ESXN4 (N) Nest 3322	
				x2 B3ESXN3 (M) Nest 3222	
				x6 Random Stragglers	
			3222	x26 total caught	
8/16/2022		CCS Nighttime Nest Survey	3322	Finished out E side & SXN 3	ML,KS
8/18/2022		CCS Nighttime Nest Survey	NA	Caught 6 stragglers	ML,KS

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									Tagged Hat	tchlings 2022					· · · · · · · · · · · · · · · · · · ·
			Turkey Point	Head								1 9	Scute C	lippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
6/30/2022	0122	606116827	3904	3.9	13.0	26.3	5,4	м	63.2	B12SXN4 (S POND)	C-107	4.5.9	0	4.10.11	
6/30/2022	0122	606108776	3905	3.9	12.6	25.6	5.3	M	62.1	B12SXN4 (S POND)	C-107	4.5.9	0	5.10.11	
6/30/2022	0122	606115278	3907	3.9	13.7	27.7	5.4	м	63.7	B12SXN4 (S POND)	C-107	4.5.9	0	7.10.11	
6/30/2022	0122	606108850	3908	4.0	13.3	27.0	5.3	м	64.2	B12SXN4 (S POND)	C-107	4.5.9	0	8.10.11	
6/30/2022	0122	606106063	3909	3.9	13.6	27.3	5.4	M	64.2	B125XN4 (S POND)	C-107	4.5.9	D D	9.10.11	
6/30/2022	0122	506115586	3910	3.9	13.3	26.1	5.3	M	62.2	B12SXN4 (S POND)	C-107	45.9	1	10.11	First 3 single soutes fused together: 485, 687 fused together
6/20/2022	0122	606117321	3913	3.9	13.2	26.5	53	M	62.5	8125XN4 (S POND)	C-107	459	1	3 10 11	insteamber and the second and and and the address
6/30/2022	0122	606006615	3914	4.0	13.3	26.9	5.3	M	65.2	B125XN4 (S POND)	C-107	459	1	4 10 11	
6/20/2022	0122	606115504	2015	3.0	12.6	25.6	55	M	65.8	B12SYN4 (S POND)	C-107	459	1 î	5 10 11	
6/30/2022	0122	606117112	3915	40	13.3	25.5	55	M	67.5	B12SXN4 (S POND)	C-107	459	1	6 10 11	
6/30/2022	0122	606109269	2017	30	12.0	26.5	5,5	M	64.7	B12SYNA (S POND)	C-107	4,5,5	1 1	7 10 11	
6/30/2022	0122	606109309	3019	1 10	12.5	20.0	5.5		64.0	B125XN4 (S POND)	C 107	450	1 î	9 10 11	
6/30/2022	0122	PUDINAUGI	2310	4.0	12.0	20.0		- 191	04.5	BIZSKIN4 (S FOND)	C-107	4,5,5	<u>+</u>	0,10,11	Single 19.2 furged 49.5 furged double left 9, right souther smaller than
a /a a /a a a		000114007	2010			26.1			63 3	1125VNA (5 DOND)	6 107	450		0 10 11	Single Loss lused, 465 lused, bouble left & right soulds smaller than
6/30/2022	0122	606114607	3919	4.0	13.2	26.1	5,4	101	63.3	B125XN4 (S POND)	C-107	4,5,9	+ <u>+</u>	9,10,11	normai
6/30/2022	0122	006000362	3920	4.0	12.9	20.0	5,4 E A	11/1	01.0	B125XN4 (5 PUND)	C 107	4,5,9	+	1 1 1 1 1 1	
6/30/2022	0122	6061100/0	3921	4.0	13.5	2/.2	5,4	1VI	04.1	DIZSKIN4 (S PUNU)	C-107	4,5,9	1 2	1,10,11	
6/30/2022	0122	606105517	3922	3.9	13.0	26.0	5.3	M	52.3	B125XN4 (S POND)	C 107	4,5,9	+ 4	2,10,11	
6/30/2022	0122	606112548	3923	4.0	13.0	20.0	5.4	M	54.4	B125XN4 (S PUND)	<u>C-107</u>	4,5,9	1 2	3,10,11	
6/30/2022	0122	606116104	3924	4.0	13.5	25.8	5.3	M	66.5	B125XN4 (S POND)	C-107	4,5,9	2	4,10,11	
6/30/2022	0122	606115004	3925	3.9	13.3	25.8	5.5	M	66.6	B12SXN4 (S POND)	C-107	4,5,9	+ 2	5,10,11	
6/30/2022	0122	606109064	3926	3.8	12.9	26.2	5.3	M	66.1	B125XN4 (S POND)	C-107	4,5,9	2	6,10,11	······
6/30/2022	0122	606109377	3927	4.0	13.4	26.8	5.5	M	65.6	B125XN4 (S POND)	C-107	4,5,9	2	7,10,11	
6/30/2022	0122	606107869	3928	3.8	13.3	27.1	5.6	M	67.7	B12SXN4 (S POND)	C-107	4,5,9	2	8,10,11	
7/1/2022	0122	606116020	3929	4.0	13.4	26.9	5.5	м	66.9	B12SXN4 (S POND)	C-107	4,5,9	2	9,10,11	One straggler from nest caught on 6/30/22
7/5/2022	0222	606107016	3930	3.6	12.5	25.4	5.0	M	56,4	B11SXN2(N POND)	C-107	4,5,9	3	10,11	
7/5/2022	0222	606113809	3931	3.6	12.7	25.5	5,0	м	54.1	B11SXN2(N POND)	C-107	4,5,9	3	1,10,11	
7/5/2022	0222	605123298	3932	3.8	13.1	26.5	5.0	M	56.0	B11SXN2(N POND)	C-107	4,5,9	3	2,10,11	
7/5/2022	0222	606108016	3933	3.7	12.6	25.3	5,0	м	52.4	B11SXN2(N POND)	C-107	4,5,9	3	3,10,11	
7/5/2022	0222	606114838	3934	3.7	12.5	25.5	5.1	м	58.2	B11SXN2(N POND)	C-107	4,5,9	3	4,10,11	
7/5/2022	0222	606114002	3935	3.7	12.2	25.1	5.0	M	54.6	B11SXN2(N POND)	C-107	4,5,9	3	5,10,11	
7/5/2022	0222	606107109	3936	3.7	12.5	25.6	5.0	M	54.1	B11SXN2(N POND)	C-107	4,5,9	3	6,10,11	
7/5/2022	0222	606104860	3937	3.7	12.6	25,8	5.0	м	54.5	B11SXN2(N POND)	C-107	4,5,9	3	7,10,11	
7/5/2022	0222	606108781	3938	3.7	12.6	25.8	5.1	м	57.5	B11SXN2(N POND)	C-107	4,5,9	3	8,10,11	
7/5/2022	0222	606117303	3939	3.8	12.9	25.9	5.0	м	56.8	B11SXN2(N POND)	C-107	4,5,9	3	9,10,11	
7/5/2022	0222	606115891	3940	3.6	12.6	25.6	5.0	м	54.2	B11SXN2(N POND)	C-107	4,5,9	4	10,11	
7/5/2022	0222	606114328	3941	3.7	12.9	26.0	5.0	м	56,4	B115XN2(N POND)	C-107	4,5,9	4	1,10,11	
7/5/2022	0222	606108100	3942	3.7	12.5	25.5	5.0	M	55.0	B115XN2(N POND)	C-107	4,5,9	4	2,10,11	
7/5/2022	0222	606106261	3943	3.7	12.8	26.0	5.0	м	55.6	B115XN2(N POND)	C-107	4,5,9	4	3,10,11	
7/5/2022	0222	606103889	3944	3.6	12.6	25.4	5.0	м	53.2	B115XN2(N POND)	C-107	4,5,9	4	4,10,11	
7/5/2022	0222	605256611	3945	3,8	13.0	26.0	5.1	м	59.1	B11SXN2(N POND)	C-107	4,5,9	4	5,10,11	
7/5/2022	0222	606106780	3946	3.7	13.0	26.1	5.0	м	58.2	B115XN2(N POND)	C-107	4,5,9	4	6,10,11	
7/5/2022	0222	606112095	3947	3.6	12.7	25.2	4.7	М	51.2	B11SXN2(N POND)	C-107	4,5,9	4	7,10,11	
7/5/2022	0222	606117121	3948	3.7	12.4	24.8	5.0	м	52,6	B11SXN2(N POND)	C-107	4,5,9	4,5	8,10,11	Accidentally cut double left 5
7/5/2022	0222	606112317	3949	3.5	12.4	25.5	4.9	M	51.5	B11SXN2(N POND)	C-107	4,5,9	4	9,10,11	
7/5/2022	0222	606108817	3950	3.7	13.0	26.4	5.0	М	56.2	B11SXN2(N POND)	C-107	4,5,9	5	10,11	
7/5/2022	0222	606106600	3951	3.7	13.0	25.9	5.0	М	60,9	B11SXN2(N POND)	C-107	4,5,9	5	1,10,11	
7/5/2022	0222	606104852	3952	3.8	12.9	25.8	5.0	м	54.4	B11SXN2(N POND)	C-107	4,5,9	5	2,10,11	
7/5/2022	0222	606116620	3953	3.7	13.0	26.4	5.0	M	57.6	B11SXN2(N POND)	C-107	4,5.9	5	3,10.11	
7/5/2022	0222	606111838	3954	3.7	12.9	26.0	4.9	M	54.2	B115XN2(N POND)	C-107	4,5.9	5	4,10.11	
7/5/2022	0222	606112637	3955	3.7	13.0	25.6	5.0	M	58.5	B11SXN2(N POND)	C-107	4,5.9	5	5,10.11	
7/5/2022	0222	606282835	3956	3.6	12.5	25.4	5.0	M	57.1	B11SXN2(N POND)	C-107	4.5.9	5	6.10.11	
7/5/2022	0222	606284853	3957	3.6	13.0	26.4	5.0		56.7	B115XN2(N POND)	C-107	4.5.9	5	7.10.11	
7/5/2022	0222	606275771	3958	3.6	12.8	26.1	50	M	55.5	B11SXN2(N POND)	C-107	4.5 9	5	8.10.11	
7/5/2022	0722	606267522	3950	0.4	12.0	25.2	50	M	55.1	B11SXN2(N POND)	C-107	459	5	9 10 11	
7/5/2022	0222	606289536	3960	37	12.6	25.9	5.0	м	54.7	B11SXN2(N POND)	C-107	459	6	10 11	
7/5/2022	0222	606283514	3961	37	12.5	25.5	5.0	M	54.7	B115XN2(N POND)	C-107	450	6	1.10.11	
7/5/2022	0222	606270962	3023	3./	12.5	25.5	5.0	M	59.7	B115YN2(N POND)	C-107	4 5 0	6	2 10 11	
7/5/2022	0222	606272774	3062	3./	11 5	23.0	1 J.L	M	47.9	Solvey Pond (S Mound)	C-107	4 5 0	6	3 10 11	
7/6/2022	0324	0002/3//4	2000	3.5	11.3	23.0	4.5	M	50.0	Spivey Fond (S Mound)	C-107	4,3,9	6	4 10 11	
//6/2022	1 0322	005286081	3904	3.5	1 11.2	23.4	1 4.1	1 171	20.0	I shivey Form (a wroning)	1	4,5,9	1 0	1 4,10,11	

EMB = Everglades Mitigation Bank MCS = Mitigation Crocodile Sanctuary In the Everglades Mitigation Bank UNK = Unknown

									Tagged Hat	chlings 2022					
			Turkey Point	Head								2	cute C	lippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tall Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
7/6/2022	0322	606269299	3965	3.5	11.6	23.5	4.8	м	54.9	Spivey Pond (S Mound)	C-107	4,5,9	6	5,10,11	
7/6/2022	0322	606271024	3966	3.5	11.5	23.6	4.8	м	54.8	Spivey Pond (S Mound)	C-107	4,5,9	6	6,10,11	
7/6/2022	0322	606274894	3967	3.6	12.0	24.5	5.1	м	58.3	Spivey Pond (S Mound)	C-107	4,5,9	6	7,10,11	
7/6/2022	0322	6062722880	3968	3.5	11.6	24.3	4.9	м	53.7	Spivey Pond (S Mound)	C-107	4,5,9	6	8,10,11	
7/6/2022	0322	606275335	3969	3.5	11.6	24.2	4,9	м	54.1	Spivey Pond (S Mound)	C-107	4,5,9	6	9,10,11	
7/6/2022	0322	606276272	3970	3.5	11.6	23.8	4.8	м	53.2	Spivey Pond (S Mound)	C-107	4,5,9	7	10,11	
7/6/2022	0322	606283566	3971	3.5	11.6	24,3	5.0	м	62.5	Spivey Pond (S Mound)	C-107	4,5,9	7	1,10,11	
7/6/2022	0322	605802065	3972	3.5	11.6	24.2	4.9	м	55.6	Spivey Pond (S Mound)	C-107	4,5,9	7	2,10,11	
7/6/2022	0322	606269525	3973	3.5	11.6	24.0	4,9	M	56.4	Spivey Pond (S Mound)	C-107	4,5,9	7	3,10,11	
7/6/2022	0322	606288282	3974	3.5	11.6	23.9	5.0	M	58.6	Spivey Pond (S Mound)	C-107	4,5,9	7	4,10,11	
7/6/2022	0322	606284596	3975	3.5	11.6	24.0	5.1	м	60.5	Spivey Pond (S Mound)	C-107	4,5,9	7	5,10,11	
7/6/2022	0322	606269285	3976	3.5	11.4	23.2	4.7	м	53.0	Spivey Pond (S Mound)	C-107	4.5.9	7	6.10.11	
7/6/2022	0322	606287846	3977	3.5	11.3	22.9	4.7	M	51.9	Spivey Pond (S Mound)	C-107	4.5.9	7	7.10.11	
7/6/2022	0322	606281290	3978	35	12.1	24.6	4.5	M	51.1	Spivey Pond (S Mound)	C-107	45.9	7	8 10 11	· · · · · · · · · · · · · · · · · · ·
7/5/2022	0222	606285372	3079	35	11.8	24.0	4.8	M	55.2	Spivey Pond (S Mound)	C-107	459	7	9 10 11	
7/0/2022	0322	606263372	2080	25	12.0	24,0	4.5	M	50.6	Spiver Pond (S Mound)	6-107	450	- <u></u>	10.11	
7/6/2022	0322	606368292	3380	3.5	11.5	23.7	4.5	M	50.0	Spivey Fond (S Mound)	C 107	4,3,5	-	1 10,11	
7/6/2022	0322	6062/862/	3981	3.5	11.5	23.5	4.7	111	52.6	Spivey Pond (S Mound)	C-107	4,3,3		1,10,11	
7/6/2022	0322	606287273	3982	3.5	12.0	23.9	4.9		52.4	Spivey Pond (S Mound)	C-107	4,5,9	8	2,10,11	
7/6/2022	0322	606279337	3983	3.5	11.9	23.8	5.0	M	59,4	Spivey Pond (S Mound)	C-10/	4,5,9	8	3,10,11	
7/6/2022	0322	606273073	3984	3.5	12.0	24.0	4.9	M	56.7	Spivey Pond (S Mound)	C-107	4,5,9	8	4,10,11	
7/6/2022	0322	606272348	3985	3.5	11.5	23.6	4.8	M	51.5	Spivey Pond (S Mound)	C-107	4,5,9	8	5,10,11	
7/6/2022	0322	606270320	3986	3,5	11.6	24.1	4.9	м	59.4	Spivey Pond (S Mound)	C-107	4,5,9	8	6,10,11	
7/6/2022	0322	606353050	3987	3.5	11.7	23.5	4,7	м	50.4	Spivey Pond (S Mound)	C-107	4,5,9	8	7,10,11	
7/6/2022	0322	606272036	3988	3.2	10.4	21.4	4.1	м	45.2	Spivey Pond (S Mound)	C-107	4,5,9	8	8,10,11	Has extended umbilcus and is very small
7/6/2022	0522	606282051	3989	3.5	11.8	24.3	4.8	M	43.4	B10SXN2 (N Pond)	C-107	4,5,9	8	9,10,11	
7/6/2022	0522	606287793	3990	3.6	12.9	26.9	5.0	м	50.2	B105XN2 (N Pond)	C-107	4,5,9	9	10,11	
7/6/2022	0522	606281589	3991	3.5	12,8	25.1	5.1	м	49.1	B10SXN2 (N Pond)	C-107	4,5,9	9	1,10,11	
7/6/2022	0522	606268361	3992	3.5	12.5	26,1	5.0	м	52.4	B105XN2 (N Pond)	C-107	4,5,9	9	2,10,11	
7/6/2022	0522	606270850	3993	3.5	11.6	24.2	4.9	м	45.9	B10SXN2 (N Pond)	C-107	4,5,9	9	3,10,11	
7/6/2022	0522	606281590	3994	3.7	12.0	24.6	4.8	Μ	46.8	B10SXN2 (N Pond)	C-107	4,5,9	9	4,10,11	
7/6/2022	0522	606267277	3995	3.6	12.0	25.0	4.9	м	50.0	B10SXN2 (N Pond)	C-107	4,5,9	9	5,10,11	
7/6/2022	0522	606278613	3996	3.5	12.1	25.1	4.8	М	48.3	B10SXN2 (N Pond)	C-107	4,5,9	9	6,10,11	
7/6/2022	0522	606269807	3997	3.7	13.0	25.9	5.0	M	57.0	B10SXN2 (N Pond)	C-107	4,5,9	9	7,10,11	
7/6/2022	0522	606272028	3998	3.6	12.7	25.6	5.0	М	50.7	B10SXN2 (N Pond)	C-107	4.5.9	9	8.10.11	
7/6/2022	0522	606279305	3999	3.5	12.7	25.6	5.0	м	49.6	B10SXN2 (N Pond)	C-107	4,5,9	9	9,10,11	
7/6/2022	0522	606316863	4000	3.5	12.5	24.7	4.9	M	50.7	B10SXN2 (N Pond)	C-107	9	0	12	· · · · · · · · · · · · · · · · · · ·
7/6/2022	0522	606280770	4001	3.6	12.4	25.4	4.7	M	45.7	B10SXN2 (N Pond)	C-107	9	0	1.12	
7/6/2022	0522	606268829	4002	3.7	12.5	25.5	5.0	M	51.6	B10SXN2 (N Pond)	C-107	9	0	2.12	
7/6/2022	0522	606281363	4002	37	12.5	25.4	5.0	M	50.5	B10SXN2 (N Pond)	C-107	459	n	3.12	Accidentally cut double right 4 & 5
7/6/2022	0522	606280283	4004	3.7	12.6	25.4	4.7	M	53.4	B10SXN2 (N Pond)	C-107	9	0	4.12	
7/6/2022	0522	606791802	4005	3.6	12.0	25.4	50	M	50.3	B105XN2 (N Pond)	C-107	Í	Ĭñ	5.12	
7/0/2022	0522	606222200	4005	1 2 5	125	25.4	4.0	M	0.0	B10SXN2 (N Pond)	C-107	10	tõ	6 12	
7/6/2022	0522	606272300	4000	3.5	12.5	25.0	5.0	M	-5.9	B105XN2 (N Pond)	C-107	1 3	1	7 12	
7/6/2022	0522	000280103	4007	27	17.5	25.5	10	111	30.0	B10SXN2 (N Pond)	C-107	1 0		8 12	
//6/2022	0522	1 000280544	4008	- 3./	++2.4	40.4	4.3	141	47.0	DIUGANIZ (N PUID)	C-10/	- "	۲Ľ	0,12	Cross assidentally tagged as 2006 different AV(D people to be used for
	0500		4000	1	120	25.0			40.0	RIOSYNO (N Bond)	C 107	400	1.	6 10 11 13	traction autoconcernative as 5550, unterent AVID needs to be used for
7/6/2022	0522	606286300	4009	3./	12.0	25.0	4.9	1/1	48,8	BIUSANZ (N PORQ)	C-107	4,5,9	+	12	u access purposes. Single 10,11,12 cut for additional ID
7/8/2022	0322	606282820	4010	3.5	11.6	23.3	4.5	M	50.3	Spivey Pond (S Mound)	C-107	1 3	1	12	Straggier from nest caught ////22; natching has extended yolk beliv
7/8/2022	0322	606282793	4011	3.5	11.4	23.2	4.5	M	48.4	Spivey Pond (S Mound)	C-10/	9	++	1,12	Straggier from nest caught 7/7/22; hatchling has extended yolk belly
7/12/2022	0422	606275599	4012	4.0	12.5	26.1	4.9	M	46.5	BZESXN5(S Pond)	C-107	9	<u> 1</u>	2,12	
7/12/2022	0422	606284323	4013	3.9	12,9	26,3	4.9	м	46.2	B2ESXN5(S Pond)	C-107	9	1	3,12	
7/12/2022	UNK	606357077	4014	3.5	11.6	24.1	4.9	м	43.1	C115XN2	C-107	9	1	4,12	Straggler caught on 7/7/22; could be from B10SXN2 or B11SXN2
7/12/2022	0522	606287619	4015	3.6	12.3	25.5	5.0	M	51.8	B105XN2 (N Pond)	C-107	9	1	5,12	Straggier caught on 7/7/22
				1							MCS release pond adjacent to		1	1	
7/13/2022	0922	606270865	4016	3.6	12,5	25.2	5.4	м	63.9	B12SXN4 (M Pond)	finger canal	9	1	6,12	
											MCS release pond adjacent to		1		
7/13/2022	0922	606270605	4017	3.5	12.0	24.4	5.2	м	57.6	B12SXN4 (M Pond)	finger canal	9	1	7,12	
	1			1		1					MCS release pond adjacent to				
7/13/2022	0822	606278839	4018	3.6	12.0	24.1	5.1	м	49.8	B16SXN2(N)	finger canal	9	1	8,12	

									Tagged Ha	tchlings 2022					
			Turkey Point	Head							Γ	5	cute Cl	ippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
oute marine						, , , , , , , , , , , , , , , , , , ,					MCS release pond adjacent to	1			
7/13/2022	0822	606289076	4019	3.3	11.5	23.6	5.0	м	47.5	B165XN2(N)	finger canal	9	1	9.12	
1/10/2022	UULE										MCS release pond adjacent to				
7/13/2022	0822	606269291	4020	35	11.9	23.4	5.0	м	46.0	B165XN2(N)	finger capal	9	2	12	
1/15/2022	UULL	000205252	1020	1							MCS release pond adjacent to	-	-		
7/13/2022	0872	606288080	4021	3.5	12.0	23.7	5.0	м	48.8	B16SXN2(N)	finger canal	9	2	1.12	
1/10/2022	0011										MCS release pond adjacent to	1			
7/13/2022	0822	606279836	4022	3.4	11.3	22.8	4.9	м	45.0	B165XN2(N)	finger canal	9	2	2,12	
1/10/1011										· · · · · · · · · · · · · · · · · · ·	MCS release pond adjacent to	1			
7/13/2022	1022	606288894	4023	4.1	14.1	28.5	5,6	м	66.6	B23SXN4(M)	finger canal	9	2	3,12	
,,,				1							MCS release pond adjacent to	1			
7/13/2022	1022	606274291	4024	4.1	13.9	28.0	5.9	м	69.0	B23SXN4(M)	finger canal	9	2	4,12	
.,				1							MCS release pond adjacent to	1			
7/13/2022	1022	606277887	4025	4.2	14.1	29.0	6.0	м	70,4	B23SXN4(M)	finger canal	9	2	5,12	
											MCS release pond adjacent to				
7/13/2022	1022	606288632	4026	4.1	14.0	28.4	5.6	м	70.1	B235XN4(M)	finger canal	9	2	6,12	
				T							MCS release pond adjacent to				
7/13/2022	1022	606281621	4027	4.0	14.1	28.5	6.0	м	71.1	B23SXN4(M)	finger canal	9	2	7,12	
											MCS release pond adjacent to				
7/13/2022	1022	606283347	4028	4.1	14.3	29.0	6.0	м	73.6	B23SXN4(M)	finger canal	9	2	8,12	
											MCS release pond adjacent to				
7/13/2022	1022	606283869	4029	4.0	14.0	28,6	5.8	м	70.5	B23SXN4(M)	finger canal	9	2	9,12	
											MCS release pond adjacent to				
7/13/2022	1022	606290055	4030	4.2	14.3	28.2	6.0	м	77.5	B23SXN4(M)	finger canal	9	3	12	
											MCS release pond adjacent to				
7/13/2022	1022	606269262	4031	4.0	14.0	28,5	5,7	м	72.0	B23SXN4(M)	finger canal	9	3	1,12	
											MCS release pond adjacent to				
7/13/2022	1022	606563632	4032	4.1	13.9	28.1	5.8	M	67.4	B23SXN4(M)	finger canal	9	3	2,12	
				1							MCS release pond adjacent to	1			
7/13/2022	1022	606272112	4033	4.1	13.4	29.1	5.9	M	74,7	B235XN4(M)	finger canal	9	3	3,12	
											MCS release pond adjacent to				
7/13/2022	1022	606269874	4034	4.2	14.3	29.2	5.8	M	70.1	B235XN4(M)	finger canal	9	3	4,12	
								l		00000000000	MCS release pond adjacent to				
7/13/2022	1022	606345007	4035	4.0	14.0	26.6	5.4	L W	60.5	B235XN4(M)	Tinger canal	1 9	3	5,12	lip of tail folded over
					1			1		0000000000	MCS release pond adjacent to				
7/13/2022	1022	606288348	4036	4.1	14.2	28.9	5.8	<u>⊢ M</u>	bb.5	B235XN4(M)	Tinger canai	9	3	5,12	
			4000	1	140	20.0	50		71 7	P22CYNIA/NA	finger ereal		1	7 1 2	
7/13/2022	1022	606283377	4037	4.0	14.0	28.0	5.8	iVi	/1./	B235XN4(W)	MCS release pond adjacent to		3	7,12	
7/12/2022	1022	606374535	4038	1 41	14.2	78.0	5.8		68.3	B235YNI4(M)	finger canal	4	1	8 1 2	
//13/2022	1022	0002/4521	4038	4.1	14.5	40.7		101		02337144[191]	MCS release pond adjacent to	1-		0,12	
7/12/2022	1022	606295579	4039	40	14.0	28.6	57	м	68.0	B23SXN4(M)	finger canal	9	3	912	
//15/2022	1022	000203378	4055	+	1	20.0			00,0		MCS release nond adjacent to	Ť	۲,		
7/13/2023	1022	606277794	4040	4.2	141	29.0	5.9	F	73.1	B235XN4(M)	finger canal	9	4	12	
1/15/2022		0002///.54		1	1		1	<u> </u>			MCS release pond adjacent to	<u> </u>	<u> </u>		-
7/13/2022	1022	606274515	4041	4.0	13.9	28.2	5.8	м	67.5	B23SXN4(M)	finger canal	9	4	1.12	
111312022	1022	0002/4325		1				1			MCS release pond adjacent to	1	· ·		
7/13/2022	0622	606289594	4042	3.5	12.6	25.3	5,5	F	64.6	TCERd Sand Pile	finger canal	9	4	2,12	
1/+0/2022				1	1	1	1		1 · · · · · ·		MCS release pond adjacent to	1	1		
7/13/2022	0622	606273337	4043	3.5	12.2	25.0	5.5	м	64.6	TCERd Sand Pile	finger canal	9	4	3,12	
			1	1	1		1	Τ	1		MCS release pond adjacent to				
7/13/2022	0622	606275523	4044	3.5	12.5	25.1	5.2	м	60.8	TCERd Sand Pile	finger canal	9	4	4,12	
	1 · · · ·		1								MCS release pond adjacent to				
7/13/2022	0622	606270620	4045	3.5	12.0	24.1	5.6	м	64.3	TCERd Sand Pile	finger canal	9	4	5,12	
		1		1							MCS release pond adjacent to	1			
7/13/2022	0622	606284269	4046	3.5	12.1	24.6	5.3	м	59.8	TCERd Sand Pile	finger canal	9	4	6,12	
											MCS release pond adjacent to				
7/13/2022	0622	606283620	4047	3.5	12.5	24.6	5.3	F	62.9	TCERd Sand Pile	finger canal	9	4	7,12	

									Tagged Ha	tchlings 2022					
			Turkey Point	Head							1	9	cute C	ippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
			-								MCS release pond adjacent to	1			
7/13/2022	0622	606557887	4048	3.5	12.5	25.4	5.4	F	66.6	TCERd Sand Pile	finger canal	9	4	8,12	
											MCS release pond adjacent to	1			
7/13/2022	0622	606283295	4049	3,5	12.0	24.6	5.5	м	63.0	TCERd Sand Pile	finger canal	9	4	9,12	
											MCS release pond adjacent to				
7/13/2022	0622	606284380	4050	3.5	12.0	24.5	5.5	F	65.3	TCERd Sand Pile	finger canal	9	5	12	
											MCS release pond adjacent to				
7/13/2022	0622	606280377	4051	3,5	12.0	24.5	5.2	м	59.4	TCERd Sand Pile	finger canal	9	5	1,12	
				1							MCS release pond adjacent to				
7/13/2022	0622	606269604	4052	3.5	12.0	24.6	5.4	M	63,5	TCERd Sand Pile	finger canal	9	5	2,12	
											MCS release pond adjacent to				
7/13/2022	0622	606287039	4053	3.5	12.4	25.0	5.6	м	65.2	TCERd Sand Pile	tinger canal	9	5	3,12	
										T070 / C / 01	MLS release pond adjacent to		_		
7/13/2022	0622	606357335	4054	3.5	12.5	25.0	5.4	M	65.2	ICERG Sand Pile	Tinger canal	19	5	4,12	
- / /			1055	1	135	25.6			<i>cr. a</i>		wics release pond adjacent to				
//13/2022	0622	60628412/	4055	3.0	12.5	25.6	5.5		65.2	ICERC Sand Pile	MCC release pend adjacent to	1 9	2	5,12	
7/10/0000	0000	606303300	4055	1 20	13.5	24.6			62.0	TCERd Sand Dile	finger eard			6.12	
//13/2022	0622	606283380	4056	3.5	12.5	24.0	5.5	174	05,6	TCERG Sand File	MCS release pend adiacent to	9	3	0,12	
7/12/2022	0633	606790616	4057	20	120	24.2	55	м	62.6	TCEPd Sand Bile	finger capal		6	7 1 7	
//15/2022	0622	000289010	4037	3.5	12.0	24.2	<u>, ,,, ,</u>	141	03.0	TCERC Sand File	MCS release pond adjacent to	1 3		7,12	
7/12/2022	0622	606300316	4059	20	12.1	24.6	52		61 1	TCEPd Sand Pile	finger canal			0 1 3	,
7/13/2022	0622	000250310	4038	- 3.5		24,0	3,2	191	01.1	TCERC SBIR File	MCS release nond adjacent to			0,12	
7/12/2022	0677	606274015	4059	25	11.9	24.0	53	F	579	TCFRd Sand Pile	finger canal	4	5	912	
1/13/2022	0022	000274015	4055	+	****	24.0	3.5	•	57.5	rocka bana rije	MCS release nond adjacent to		<u> </u>	5,22	· · · · · · · · · · · · · · · · · · ·
7/12/2022	0677	606267283	4060	35	12.5	25.3	5.5	м	65.2	TCERd Sand Pile	finger canal	4	6	17	
1/13/2022	0011	000207203	4000	5.5		2010	5.5		05.2		MCS release pond adjacent to	+	<u> </u>		
7/13/2022	0622	606281828	4061	3.5	12.1	25.1	5.4	F	63.7	TCERd Sand Pile	finger canal	9	6	1.12	
								· · · · · ·			MCS release pond adjacent to	-			
7/13/2022	0622	606284787	4062	3.5	12.0	24.2	5.5	м	61.5	TCERd Sand Pile	finger canal	9	2,6	2,12	Accidentally cut double left 2
				1							MCS release pond adjacent to				
7/13/2022	0622	606284298	4063	3.5	12,5	25.7	5.5	м	65.9	TCERd Sand Pile	finger canal	9	6	3,12	
				1							MCS release pond adjacent to	T			
7/13/2022	0622	606282639	4064	3.5	12.5	24.9	5.5	F	66.9	TCERd Sand Pile	finger canal	9	6	4,12	
											MCS release pond adjacent to				
7/13/2022	0622	606340017	4065	3.5	12.5	25.0	5.5	м	60,9	TCERd Sand Pile	finger canal	9	6	5,12	
											MCS release pond adjacent to				
7/14/2022	0722	606287518	4066	3.5	12,5	25.6	5.3	м	60.4	TCWRdP2(S)	finger canal	9	6	6,12	
											MCS release pond adjacent to				
7/14/2022	0722	606280293	4067	3.6	12.5	24.7	5.3	M	29.4	TCWRdP2(S)	finger canal	9	6	7,12	
											MCS release pond adjacent to				
7/14/2022	0722	606272269	4068	3.5	12.5	25.2	5.2	M	59.5	TCWRdP2(S)	finger canal	9	6	8,12	
											MCS release pond adjacent to				
7/14/2022	0722	606290059	4069	3.5	12.5	25.0	5.2	M	56.0	ICWKdP2(S)	tinger canal	1 9	6	9,12	
								۱		TCU/0-102/0)	IVILS release pond adjacent to				
7/14/2022	0722	606280843	4070	3.5	12.5	25,4	5,2	M	61.3	TCWRdP2(S)	tinger canal	1 9	7	12	
					1			l		Telu (0.102/5)	MLS release pond adjacent to				
7/14/2022	0722	606274283	4071	3.5	12.3	25.b	5.2	M	57.7	ICWR0P2(S)	Tinger canai	+ <u>a</u>	+- <u>/</u> -	1,12	
				1	1.1.7	25.6				TC1/0-02(0)	wice release pond adjacent to		-	2.42	
7/14/2022	0722	605277828	4072	3.6	12./	25.6	5.5	M	63.1	1CWK0P2(S)	Tinger canal	+ 3	+	2,12	
7/4 / /2022	0702	000000000	4073	1 27	120	26.0			61.4	TOMPHROES	finance consil		-	2 1 2	
7/14/2022	0/22	606284848	40/3	3./	13.0	<u>26.U</u>	5.3	M	01.4	1CWK0P2(5)	Inger canal	1 9	+	3,12	
2/4 4 (2022	0700	606571071	4074	37	1 171	25.0	54		62.2	TCW/PdP2(S)	finger capal		1 -	4.12	
//14/2022	0/22	6065/12/1	40/4	3./	12.1	25.0	2.4	IVI	02.3	1000002(3)	MCS release nond adjacent to	1 3	+-	4,12	
7/14/2022		606393775	4075	36	125	25.6	54	м	63.6	TCW/RdP2(S)	finger capal		7	5 12	
//14/2022	0/22	000283776	4075	3.0	1 12.3	20.0	3.4	191	03.0	1699nur 2(3)	MCS release nend adjacent to		+	3,14	
7/1 4/2022	0700	606370505	4076	1	127	25.0			62.1	TCW/Pdp2/S)	finger const		1 -	612	
//14/2022	0/22	000713230	1 4078	1 3./	1	45.9	1 2.2	1 171	04.1	ICWR0P2(5)	1 miger canai	1 3	<u> </u>	0,14	<u></u>

EMB = Everglades Mitigation Bank MCS = Mitigation Crocodile Sanctuary In the Everglades Mitigation Bank UNK = Unknown

									Tagged Ha	tchlings 2022					
			Turkey Point	Head								S	cute C	ippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	s	Comments
											MCS release pond adjacent to				
7/14/2022	0722	606284572	4077	3.5	12.5	25,4	5.5	м	61.4	TCWRdP2(S)	finger canal	9	7	7,12	
											MCS release pond adjacent to				
7/14/2022	0722	606275039	4078	3.7	12.4	25.3	5.3	M	60.1	TCWRdP2(S)	finger canal	9	7	8,12	
											MCS release pond adjacent to				
7/14/2022	0722	606273805	4079	3.6	12,5	25.1	5.5	м	60.9	TCWRdP2(S)	finger canal	9	7	9,12	
											MCS release pond adjacent to				
7/14/2022	0722	606272359	4080	3.6	12.6	25.4	5.4	м	61,5	TCWRdP2(S)	finger canal	9	8	12	
											MCS release pond adjacent to		· _		
7/14/2022	0722	606267828	4081	3.5	12.1	25.1	5.4	м	61.3	TCWRdP2(S)	tinger canal	9	_8	1,12	
		606070007			1.0.0	25.0			CE 0	7010202(0)	MCS release pond adjacent to				
//14/2022	0/22	606279037	4082	3.6	12.5	25.6	2,5	IVI	65,9	(CwRdP2(S)	tinger canal	9	8	2,12	
7/44/2022	0700	606207000	4092	1.00	122	24.0	5.4		61.1	TOMPdp3(c)	finger gangl			3 13	
//14/2022	0722	000287085	4003	3.0	1	24,5	J	191	01.1	rewild 2(3)	MCS release nond adjacent to	, ,	0	3,12	
7/14/2022	0777	606793599	4084	36	12.5	25.6	55	м	61.1	TCWRdP2/S)	finger canal	6	8	4 12	
7/14/2022	0,22	000203300		- 0.0		1510			0111		MCS release pond adjacent to	<u> </u>		-1,12	
7/15/2022	1177	606282582	4085	3.5	11.8	22.0	4.0	м	37.6	B13SXN4(M Pond)	finger canal	9	8	5.12	Severe underbite, much smaller ton jaw
1/10/2022	2203			1							MCS release pond adjacent to				
7/15/2022	1122	606268073	4086	3.3	11.1	22.0	4.2	м	35.5	B13SXN4(M Pond)	finger canal	9	8	6.12	Underbite
											MCS release pond adjacent to				
7/15/2022	1122	606282630	4087	3.5	10.6	21.2	4.6	м	40.5	B13SXN4(M Pond)	finger canal	9	8	7,12	Kink in spinal cored around cloaca
											MCS release pond adjacent to				
7/15/2022	1122	606286834	4088	3.5	11.8	23.6	4.9	м	47.7	B13SXN4(M Pond)	finger canal	9	8	8,12	
											MCS release pond adjacent to				
7/15/2022	1122	606273107	4089	3.5	11.1	22.6	4.7	м	42.7	B13SXN4(M Pond)	finger canal	9	8	9,12	
											MCS release pond adjacent to				
7/19/2022	1222	606273858	4090	4.0	13.5	28.0	5.7	F	68.4	B26SXN5(M pond)	finger canal	9	9	12	
											MCS release pond adjacent to				
7/19/2022	1222	606276031	4091	4.0	13.9	27.7	5.7	F	66.6	B26SXN5(M pond)	finger canal	9	9	1,12	
			1		1						MCS release pond adjacent to				
7/19/2022	1222	606277032	4092	4,0	13.5	27.9	5.7	м	65.1	B265XN5(M pond)	tinger canal	<u> 9</u>	9	2,12	
										por course a series	MCS release pond adjacent to				
7/19/2022	1222	606278553	4093	4.0	13.6	27.7	5./	<u> </u>	65.0	B265XN5(ivi pond)	Tinger canal	1 9	9	3,12	· · · · · · · · · · · · · · · · · · ·
7/10/2022	1222	606399397	4094	10	13.2	27.5	5.6	- E	66.0	P265YNE(M pond)	finger capal			4 1 2	
//19/2022	1222	000208287	4054	+.0	13.3	27.5		<u> '</u>	00.9		MCS release pond adjacent to	- 3	5	4,12	
7/19/2022	1222	606288382	4095	40	13.5	27.7	5.5	М	63.1	B265XN5(M pond)	finger canal	9	9	5.12	
1/15/2022	1111	000100301	1000								MCS release pond adjacent to			•,	
7/19/2022	1222	606273777	4096	4.0	13.7	27.8	5.6	F	64.0	B265XN5(M pond)	finger canal	9	9	6.12	
					-						MCS release pond adjacent to				
7/19/2022	1322	606267804	4097	4.0	12.8	26.2	5.3	м	60.6	B5ESXN4(N pond)	finger canal	9	9	7,12	
				1							MCS release pond adjacent to	1			
7/19/2022	1322	606289043	4098	4.0	13.2	27.0	5,1	F	62.2	B5ESXN4(N pond)	finger canal	9	9	8,12	
								1			MCS release pond adjacent to				
7/19/2022	1322	606269771	4099	3.9	13.1	26.9	5.1	M	62.2	B5ESXN4(N pond)	finger canal	9	9	9,12	
											MCS release pond adjacent to				
7/19/2022	1322	606274876	4100	3.9	13.4	27.6	5,3	M	65.4	B5ESXN4(N pond)	finger canal	1,9	0	12	
								1			MCS release pond adjacent to				
7/19/2022	1322	606280099	4101	3.9	12.9	26.9	5.0	м	56.2	B5ESXN4(N pond)	finger canal	1,9	0	1,12	
					1 125	27.5					IVICS release pond adjacent to	1.0			
7/19/2022	1322	607271576	4102	3.9	13.6	27.5	5,3	F	66.1	BSESKN4(N pond)	Tinger canal	1,9	0	2,12	
7/10/2025			4102	1 20	125	27.5	6.0		63.3	DEESYNA(N pond)	finger canol	1.0		2.12	
//19/2022	1322	606276341	4103	3.9	13.5	21.5	5.3		03.3	BSESKIN4(IN pond)	MCS release pond adjacent to	1,3	U	3,12	
7/10/2022	1222	606290221	4104	27	12.7	76.4	51	5	67 6	BSESYN4(N pond)	finger canal	1 10		412	
//19/2022	1322	000289331	4104	3./	12./	20.4	3.1	<u> </u>	57.5	BSESKINNIN policy	MCS release pond adjacent to	1,3	<u> </u>	4,12	
7/10/2022	1222	606788004	4105	3.6	17.5	26.0	50	F	56.9	BSESYNA(N popd)	finger canal	10	0	5 12	
//19/2022	1344	000200034	4103	1 3.0	1 14.0	1 20.0	J	1	1 30.3		I infectuation	1,3	<u> </u>	عدرتي ا	L

									Tagged Ha	tchlings 2022					
			Turkey Point	Head								S	cute C	ippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
											MCS release pond adjacent to				
7/19/2022	1322	606281004	4106	3.9	13.4	27.1	5,4	м	62.8	B5ESXN4(N pond)	finger canal	1,9	0	6,12	
											MCS release pond adjacent to				
7/19/2022	1322	606289051	4107	4.0	13.7	28.6	5.4	м	69.1	B5ESXN4(N pond)	finger canal	1,9	0	7,12	
				1							MCS release pond adjacent to				
7/19/2022	1322	606279847	4108	3.9	13.2	26,7	5.0	F	58.7	B5ESXN4(N pond)	finger canal	1,9	0	8,12	
				1							MCS release pond adjacent to	1			
7/19/2022	1322	606275028	4109	3.7	13.0	26.0	5.2	F	58.7	B5ESXN4(N pond)	finger canal	1,9	0	9,12	
											MCS release pond adjacent to				
7/19/2022	1322	606286522	4110	4.0	13.5	28.1	5.2	м	67.2	BSESXN4(N pond)	finger canal	1,9	1	12	
											MCS release pond adjacent to				
7/19/2022	1322	606275355	4111	4.0	13.0	26.6	5.2	F	60.3	B5ESXN4(N pond)	finger canal	1,9	1	1,12	
											MCS release pond adjacent to	1			
7/19/2022	1322	606277842	4112	3.7	12.5	24.9	5.2	F	62.7	BSESXN4(N pond)	finger canal	1,9	1	2,12	
											MCS release pond adjacent to				
7/19/2022	1322	606287297	4113	3.8	12.9	27.1	5.3	м	60,6	B5ESXN4(N pond)	finger canal	1,9	1	3,12	
											MCS release pond adjacent to				
7/19/2022	1322	606274800	4114	4.0	13.4	26.8	5.2	м	58.9	B5ESXN4(N pond)	finger canal	1,9	1	4,12	
				1							MCS release pond adjacent to				
7/19/2022	1322	606270318	4115	3.9	13.5	26.9	5.2	м	63.4	BSESXN4(N pond)	finger canal	1,9	1	5,12	
				1							MCS release pond adjacent to				
7/19/2022	1322	606280630	4116	3.9	13.6	27.7	5.3	м	60.9	B5ESXN4(N pond)	finger canal	1,9	1	6,12	
											MCS release pond on East side of				
7/20/2022	1222	606281052	4117	4.0	13.9	28.0	5.3	F	62.6	B26SXN5(M)	finger canal	1,9	1	7,12	
											MCS release pond on East side of				
7/20/2022	1222	606277619	4118	4.2	14.5	29.2	5.3	м	65.6	B26SXN5(M)	finger canal	1,9	1	8,12	
											MCS release pond on East side of	1			
7/20/2022	1222	606278864	4119	4.1	14.1	28.8	5,3	F	66.8	B265XN5(M)	finger canal	1,9	1	9,12	
											MCS release pond on East side of				
7/20/2022	1222	606290066	4120	4.1	14.0	28.1	5.2	м	62.5	B26SXN5(M)	finger canal	1,9	2	12	
					1						MCS release pond on East side of				
7/20/2022	1222	606283558	4121	4.0	14.1	28.7	5.3	F	71.1	B26SXN5(M)	finger canal	1,9	2	1,12	
											MCS release pond on East side of				
7/20/2022	1222	606280539	4122	4.0	13.9	28.7	5.3	F	63.9	B26SXN5(M)	finger canal	1,9	2	2,12	
											MCS release pond on East side of		_		
7/20/2022	1222	606270798	4123	4.2	14.6	29.0	5.4	м	68.2	B26SXN5(M)	tinger canal	1,9	2	3,12	
				1							MCS release pond on East side of				
7/20/2022	1222	606287848	4124	4.2	14.2	28.4	5.5	м	68.2	B265XN5(M)	tinger canal	1,9	2	4,12	
									74.5	000000000	Mus release pond on East side of			F 43	
7/20/2022	1222	606284334	4125	4.2	14.5	28.7	5.5	м	71.5	B265XN5(M)	Tinger canal	1,9	2	5,12	
										Paceware () ()	MLS release pond on East side of			<i>c</i> • • •	
7/20/2022	1222	606271283	4126	4.1	14.0	28.3	5.5	M	65./	B205XN5(M)	Tinger canal	11,9	<u></u>	6,12	
									70.0	ROCCYNIC(M)	forme and a	1 10		7 1 2	
7/20/2022	1222	606281269	412/	4.2	14.5	29.0	5,5	^r	/0.0	D205AN9(191)	MCS release pend on Fast side of	1 1,9		/,12	
7 (20 /2022	1000	606300000	4430		12.0	270			61.2	BJECYNEAN	Finder const	1 10	,	0 17	
7/20/2022	1222	606280069	4128	4.0	13.8	27.9	5.2	IVI	01.2	BZDSXIND(IVI)	Inger canai	1 1,9	- 4	8,12	
7/20/2000	1	6062002.15	41.30	1 00	140	20.2	FF		70.2	BORSYNEIAN	finger canal	1 10	5	017	
//20/2022	1222	606280345	4129	4.2	14.0	40,4	3.3		10.2	BZOSANS(W)	MCS release nond on Fast side of	1,3	-	3,12	
7/20/2022	1222	606267875	4120	1 40	127	27.0	6.2		67.9	B26SYN5(M)	finger canal	1 10		17	
//20/2022	1444	000207875	4130	4.0		47.0	3.4		04.0	B203ANS(M)	MCS release nond on Fast side of	1,5	۲,	14	
7/20/2022	1222	606277802	4121	30	13.7	27.4	51	м	60.9	BSESYN4(N Pond)	finger canal	10	1 3	1 12	
//20/2022	1322	000277803	4151	3.5	13./	2/.4		- (VI		Docovint (it rong)	MCS release pond on Fast side of	L, A	<u>۲</u>	****	
7/20/2022	1422	606399994	4132	3.5	175	26.0	54	м	63.0	BIESYNS(C)	finger canal	10	1 3	2 12	
//20/2022	1422	000200004	4134		12.3	20.0			03.0	0123/113/ 0/	MCS release pond on Fast side of	+,3	<u> </u>	2,12	
7/20/2022	1472	606268577	4133	3.6	12.9	26.3	5.5	м	64.9	B1ESXN5(C)	finger canal	1.9	3	3.12	
772072022	14444	000200377	4400		1	20.0		- ···	0.4.0		MCS release pond on East side of		۳.		
7/20/2022	1477	606767671	4134	3 5	17.1	25 5	54	м	62.2	BIESENS(C)	finger canal	1.9	1 2	4 17	
1/20/2022	1 1422	000207021	4104	2.2	1	40.0	1 2.7	1 101	1	Dreaving(ct	I miger canal	فبد			1

									Tagged Ha	tchlings 2022					
			Turkey Point	Head	[1	S	cute Cl	ippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
											MCS release pond on East side of				
7/26/2022	1622	606267626	4132	3,9	12.5	25.9	5.8	F	70.2	B1ESXN5(S) (2nd Nest)	finger canal	1,9	3	2,12	Incorrect Turkey Point Number due to human error
											MCS release pond on East side of				
7/26/2022	1622	606271768	4133	3.9	12.6	25.9	5,7	F	70,9	B1ESXN5(S) (2nd Nest)	finger canal	1,9	3	3,12	Incorrect Turkey Point Number due to human error
											MCS release pond on East side of				
7/26/2022	1622	606280100	4134	3.9	12.8	26.6	5.7	F	69.6	B1ESXN5(S) (2nd Nest)	finger canal	1,9	3	4,12	Incorrect Turkey Point Number due to human error
				1							MCS release pond on East side of				
7/26/2022	1622	606283788	4135	3.9	13.0	26.1	5.8	F	68.9	B1ESXN5(S) (2nd Nest)	finger canal	1,9	3	5,12	
											MCS release pond on East side of				
7/26/2022	1622	606271276	4136	3.9	12.8	25.7	5.8	M	70.4	B1ESXN5(S) (2nd Nest)	tinger canal	1,9	3	6,12	
									72.0		MLS release pond on East side of			7.40	
7/26/2022	1622	606279885	4137	3.8	13,1	27.3	5.7	M	/2.0	B1ESXN5(5) (2nd Nest)	tinger canal	1,9	3	7,12	
						26.6			<i>c</i> o o	DIFEVELE (C) (2nd Marth)	INCS release pond on East side of	10	_	0.15	
7/26/2022	1622	606283553	4138	3./	13.4	26.0	2,9	IVI	69.9	BIESKN3(3) (2nd Nest)	Inger canai	1,9	-3	8,12	
	4.000	606300045	4120	1	12.0	26.4	54		57.0	R1ESYNE/S\ /2nd Nort\	finder canal	10		0.17	
//26/2022	1022	000280843	4135	3./	13.0	20,4	3.4	141	51.0	Bitskib(3) (the itest)	MCS release pond on East side of	- <u>-</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		3,22	
7/26/2022	1622	606272089	4140	37	13.1	26.1	5.8	F	68.7	B1ESXN5(S) (2nd Nest)	finger canal	19	4	12	
1/10/2022	1012	000272085	4140	- 5.7		10.1	5.0	<u> </u>		baconno(a) (End Heal)	MCS release pond on East side of	4,5			
7/26/2022	1622	606277040	4141	3.9	13.2	27.0	5.8	м	71.8	B1ESXN5(S) (2nd Nest)	finger canal	1.9	4	1.12	
772072022	1011	000277010	14.14								MCS release pond on East side of		-	-/	
7/26/2022	1622	606288334	4142	3.9	13.4	26.7	5.8	м	74.1	B1ESXN5(S) (2nd Nest)	finger canal	1.9	4	2.12	
772072022											MCS release pond on East side of				
7/26/2022	1622	606277639	4143	4.0	13.1	27.0	5.8	F	70,7	B1ESXN5(S) (2nd Nest)	finger canal	1,9	4	3,12	
172072022							1				MCS release pond on East side of				
7/26/2022	1622	606277539	4144	4.0	13.3	26.9	6.0	м	74.1	B1ESXN5(S) (2nd Nest)	finger canal	1,9	4	4,12	
											MCS release pond on East side of				
7/26/2022	1522	606284825	4145	3.5	12.2	25.2	4.9	м	53.4	B11SXN2(N)	finger canal	1,9	4	5,12	
											MCS release pond on East side of				
7/26/2022	1522	606279800	4146	3.5	12.0	24.5	4.9	м	50.1	B11SXN2(N)	finger canal	1,9	4	6,12	
											MCS release pond on East side of				
7/26/2022	1522	606287364	4147	3,5	12.6	24.6	4.8	м	52.6	B11SXN2(N)	finger canal	1,9	4	7,12	
											MCS release pond on East side of				
7/26/2022	1522	606286353	4148	3.5	12.2	24.5	4.9	F	50.0	B11SXN2(N)	finger canal	1,9	4	8,12	· · · · · · · · · · · · · · · · · · ·
										2440002000	MCS release pond on East side of				
7/26/2022	1522	606274816	4149	3.6	12.6	25.7	4.9	<u> </u>	54.3	BIISXNZ(N)	Tinger canai	1,9	4	9,12	
	4500		4470	1	125	24.9	10		51.6	B115VN(2/N)	finger cool	1 1 0	e .	12	
7/26/2022	1522	606269312	4150	3,5	12.5	24.0	4.9	- IVI	51.0	BIISKN2(N)	MCS release pond on East side of	1,5	3	12	
7/26/2022	1522	606270576	4151	20	175	25.0	10	M	51.0	B115YN2(N)	finger canal	119	5	1 1 2	
//26/2022	1522	606270376	4131	3.5	42.5	23.0	4.5	1	51.5	DIISANLIN	MCS release nond on Fast side of	+	<u> </u>	1,12	
7/26/2022	1522	606279512	4152	35	12.6	25.3	4.8	M	53.3	B115XN2(N)	finger canal	19	5	2 12	
1/20/2022	1322	000278312	4152	- 3.5	1	1.5.5	4.0	<u> </u>		C120AAT (14)	MCS release pond on East side of		-	2,22	
7/26/2022	1522	606287769	4153	3.6	12.1	25.3	4.8	м	53.9	B115XN2(N)	finger canal	1.9	5	3.12	
1/20/2022	1522	000207705	1200				1				MCS release pond on East side of		-	-,	
7/26/2022	1572	606272047	4154	3.5	12.1	24.6	4.9	М	53.1	B11SXN2(N)	finger canal	1,9	5	4,12	
7/20/2022	1524	0002/2011								1	MCS release pond on East side of	1			
7/26/2022	1522	606280635	4155	3.6	12.6	25.1	4.8	м	52.3	B11SXN2(N)	finger canal	1,9	5	5,12	
.,					1		1			1	MCS release pond on East side of				
7/26/2022	1522	606269803	4156	3.5	12.0	24.6	4.9	м	55.2	B115XN2(N)	finger canal	1,9	5	6,12	
											MCS release pond on East side of	1			
7/26/2022	1522	606284089	4157	3.6	12.4	24.9	4.9	м	52.6	B11SXN2(N)	finger canal	1,9	5	7,12	
											MCS release pond on East side of	1			
7/26/2022	1522	606274338	4158	3.6	12.7	25.2	4.8	M	51.4	B115XN2(N)	finger canal	1,9	5	8,12	
											MCS release pond on East side of		1		
7/26/2022	1522	606289350	4159	3.5	12.4	24.5	4.8	м	50.7	B11SXN2(N)	finger canal	1,9	5	9,12	
								1			MCS release pond on East side of		1		
7/26/2022	1522	606286387	4160	3.5	12.0	23,9	5.8	M	48.8	B11SXN2(N)	finger canal	1,9	6	12	

<u> </u>									Tagged Ha	tchlings 2022					
			Turkey Point	Head		1	1	1	[9	cute Cl	ippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
				1							MCS release pond on East side of				
7/26/2022	1522	606278050	4161	3,6	11.9	24.2	4.8	м	51.6	B11SXN2(N)	finger canal	1,9	6	1,12	
											MCS release pond on East side of				
7/26/2022	1522	606282844	4162	3.6	12.8	25.5	4.9	м	54.6	B11SXN2(N)	finger canal	1,9	6	2,12	
				1				1	1		MCS release pond on East side of				
7/26/2022	1522	606555259	4163	3.5	12.5	25.0	4,8	F	50.3	B11SXN2(N)	finger canal	1,9	6	3,12	
											MCS release pond on East side of				
7/26/2022	1522	606285265	4164	3.6	12.3	24.8	4,8	м	50.0	B11SXN2(N)	finger canal	1,9	6	4,12	
											MCS release pond on East side of				
7/26/2022	1522	606289624	4165	3,6	12,/	26.0	4.9	I M	54.3	B115XN2(N)	tinger canal	1,9	6	5,12	
7/06/0000	1000	606070306		1	13.5	25.0	1 40			D116V012(01)	Mics release pond on East side of	1			
//26/2022	1522	606270296	4100	3./	12.5	25,0	4.5		35,0	BIISKNZ(N)	MCS release need on East side of	1,9	0	0,12	
7/26/2022	1522	606277925	4167	35	115	24.4	4.6	M	47.2	B115YN2(N)	finger canal	10	6	7 1 2	
1/20/2022	1322	000277025	4107		1 10	24.4		<u> </u>	77.2	Ulisatilat	MCS release nond on East side of	*,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	۲,	1,12	· · · · · · · · · · · · · · · · · · ·
7/26/2022	1772	606277546	4168	3.9	13.0	25.9	4.4	М	42.9	B125XN4M (Canal 13)	finger canal	1.9	6	8.12	
1/20/2022											MCS release pond on East side of				
7/26/2022	1722	606267557	4169	3.7	12.5	25.6	4.4	м	43.0	B12SXN4M (Canal 13)	finger canal	1,9	6	9,12	
							1	1			MCS release pond on East side of				
7/26/2022	1722	606288099	4170	3.5	12.4	25.1	4.4	м	41.8	B12SXN4M (Canal 13)	finger canal	1,9	7	12	
				1							MCS release pond on East side of				
7/26/2022	1722	606271811	4171	3.5	12.0	24.1	4.0	м	36.8	B12SXN4M (Canal 13)	finger canal	1,9	7	1,12	
								1			MCS release pond on East side of				
7/26/2022	1722	606277791	4172	3.7	12.7	25.4	4.3	M	41.9	B12SXN4M (Canal 13)	finger canal	1,9	7	2,12	
	1				1						MCS release pond on East side of				
7/26/2022	1722	606278053	4173	3.7	12.5	25,5	4.4	<u>м</u>	43.4	B12SXN4M (Canal 13)	finger canal	1,9	7	3,12	
- /						25.0		I		DIREVALAN (Constant)	MCS release pond on East side of				
7/26/2022	1722	606284562	41/4	3./	12.0	25.0	4.4	<u></u>	38.9	B125XN4M (Canal 13)	Tinger canal	1,9	·	4,12	/
7/26/2022	1722	606771567	4175	3.6	12.4	747	1 4 4	M	30.0	B12SYNAM (Canal 13)	finger canal	1 0	7	5 1 2	
1/20/2022	1/11	000271507	41/5	- 3.0	12.4	24.7		+		Dizokitiki (cunal 13)	MCS release pond on East side of	1,5	L'	22.0	
7/26/2022	1722	606286339	4176	3.5	12.4	25.7	4.4	м	41.3	B12SXN4M (Canal 13)	finger canal	1.9	7	6.12	
7/10/1011	1/22	000200000						1	1		MCS release pond on East side of		<u> </u>	*)~=	
7/26/2022	1722	606275031	4177	3.6	12.4	25.7	4.4	м	40.2	B12SXN4M (Canal 13)	finger canal	1,9	7	7,12	
											MCS release pond on East side of	1			
7/26/2022	1722	606280344	4178	3.6	12.5	24.3	4.4	м	41.6	B12SXN4M (Canal 13)	finger canal	1,9	7	8,12	
											MCS release pond on East side of				
7/26/2022	1722	606281098	4179	3,5	12.4	24.5	4.5	м	43.3	B12SXN4M (Canal 13)	finger canal	1,9	7	9,12	
											MCS release pond on East side of				
7/26/2022	1722	606275048	4180	3.6	12.5	24.8	4.5	M	43.8	B12SXN4M (Canal 13)	finger canal	1,9	8	12	
											MCS release pond on East side of				
7/26/2022	1722	606281563	4181	3.5	12.2	24.5	4.2	<u> M</u>	37.6	B125XN4M (Lanai 13)	tinger canal	1,9	8	1,12	
7/26/2022	0000	606292216	4192	20	17.6	75.2	47		44.7	R16CVNI2/NI	finger canal	10		3 1 3	
//26/2022	0822	000283515	4102		12.0	25.5	4./	1.01	44.2	5103/(12(11)	MCS release pond on East side of	1,3	l °	2,12	
7/26/2022	0977	606277211	4193	36	12.6	25.5	4.8	M	45.2	B165XN2(N)	finger canal	19	8	3 12	
//20/2022	0022	000277511	4100	3.0	11.0	20.0	1.0	1	10.2	Dissidity	MCS release pond on East side of	1 1,5	Ť	5,12	
7/26/2022	0822	606273258	4184	3.6	12.7	25.4	4.5	м	44.3	B16SXN2(N)	finger canal	1.9	8	3,4.12	S 3 & 4 cut by accident
		1	1	1	1		1	1	1		MCS release pond on East side of	1	1		
7/26/2022	0822	606277614	4185	3.6	12.5	24.6	4.6	м	42.6	B165XN2(N)	finger canal	1,9	8	5,12	
											MCS release pond on East side of		1		
7/26/2022	0822	606282071	4186	3.8	12.4	24.7	4.7	м	42.3	B16SXN2(N)	finger canal	1,9	8	6,12	
							1				MCS release pond on East side of				
7/26/2022	0822	606280528	4187	3.7	12.6	25.4	4.6	м	44.7	B16SXN2(N)	finger canal	1,9	8	7,12	
	1							1			MCS release pond on East side of	1			
7/26/2022	0822	606280093	4188	3.7	12.6	25.2	4,6	<u>н м</u>	42.4	B165XNZ(N)	tinger canal	1,9	8	8,12	
	00000			1	10.5			1	100	PICEVANAN	ivics release pond on East side of	1		0.13	
7/26/2022	0822	606801264	4189	1 3.0	1 12.5	1 45.5	1 4.0	1 (VI	43,5	DIDOXINZ(IN)	unger cana:	1 1'3	10	1 9,12	

									Tagged Ha	tchlings 2022					
			Turkey Point	Head								5	icute C	lippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	10	S	Comments
7/26/2022	0822	606268312	4190	3.9	13.0	25.3	4.6	м	42.5	B16SXN2(N)	finger canal	1,9	9	12	
7/26/2022	0822	606285618	4191	3.6	12.4	24.6	4.7	м	45.9	B16SXN2(N)	MCS release pond on East side of finger canal	1.9	9	1.12	
7/28/2022	1222	606285794	4192	4.5	14.7	29.3	4.6	м	72.1	B265XN5(S)	MCS pond	1.9	9	2.12	Strappler
7/28/2022	UNK /	606556572	4193	4.0	13.4	26.6	6.0	м	73.2	B2ESXN5(S)	MCS pond	1.9	9	3.12	Unknown pest
7/28/2022	UNK	606267565	4194	4.0	13.6	27.1	5.4	м	59.9	B1ESXN5(S) (Canal 2)	MCS pond	1,9	9	4.12	Unknown nest
7/28/2022	UNK	606288843	4195	4.0	14.3	27.6	6.0	м	72.6	B1ESXN5(S) (Canal 2)	MCS pond	1,9	9	5.12	Unknown nest
7/28/2022	1822	606284097	4196	3.6	11.9	23.4	3.9	м	34.5	B105XN2(5)	MCS pond	1,9	9	6,12	
7/28/2022	1822	606280817	4197	4.0	13.0	25.9	4.8	м	44.4	B10SXN2(S)	MCS pond	1,9	9	7,12	
7/28/2022	UNK	606568851	4198	4.0	13.5	26.6	5.4	м	60.2	C13SXN4	MCS pond	1,9	9	8,12	Straggler found in Canal 13 SXN4, unkown nest
7/28/2022	UNK	606290103	4199	3.6	12.9	26.4	4.5	м	44.0	C13SXN5	MCS pond	1,9	9	9,12	Straggier found in Canal 13 SXN4, unkown nest
7/28/2022	UNK	606280629	4200	4.2	14.1	28.7	5.4	F	61.4	UNK	MCS pond	2,9	0	12	Straggler from airboat, unknown nest
7/28/2022	2022	606284042	4201	3.5	12.0	23.6	3.6	м	42.9	B135XN4(S pond)	MCS pond	2,9	0	1,12	
7/28/2022	2022	606269826	4202	3.5	11.9	23.6	3.7	м	44.2	B13SXN4(S pond)	MCS pond	2,9	0	2,12	
7/28/2022	2022	606286541	4203	3.5	11.2	23.2	4.4	м	42.8	B13SXN4(S pond)	MCS pond	2,9	0	3,12	
7/28/2022	2022	606278115	4204	3.5	11.4	23.9	4.6	м	42.9	B13SXN4(S pond)	MCS pond	2,9	0	4,12	
7/28/2022	2022	606287313	4205	3.5	12.1	23.2	4.5	м	44.0	B13SXN4(S pond)	MCS pond	2,9	0	5,12	
7/28/2022	2022	606278548	4206	3.2	11.2	22.4	4.3	м	37.7	B13SXN4(S pond)	MCS pond	2,9	0	6,12	
7/28/2022	UNK	606268075	4207	4,1	13.8	21.2	5.2	м	56.9	B1ESXN5(S) Canal 1	MCS pond	2,9	0	7,12	
7/28/2022	UNK	606556620	4208	3.5	12.0	24.0	4.9	м	54.1	B1ESXN5(S) Canal 1	MCS pond	2,9	0	8,12	
7/28/2022	UNK	606288040	4209	3.6	12.5	25.0	4.8	м	52.5	B1ESXN5(S) Canal 1	MCS pond	2,9	0	9,12	
7/28/2022	UNK	606282629	4210	3.7	12.1	24.8	4,7	м	49,3	B1ESXN5(S) Canal 1	MCS pond	2,9	1	12	
7/28/2022	UNK	606273561	4211	3.7	12.0	24.4	4.8	м	52.6	B1ESXN5(S) Canal 1	MCS pond	2,9	1	1,12	
7/28/2022	UNK	606283379	4212	3.2	12.3	24.1	4.8	м	53.0	B1ESXN5(S) Canal 1	MCS pond	2,9	1	2,12	
7/28/2022	UNK	606286120	4213	3.7	12.5	26,0	5.0	м	51.7	B1ESXN5(S) Canal 1	MCS pond	2,9	1	3,12	
7/28/2022	1922	606279895	4214	3.3	11.2	23.2	4.3	м	39.1	B12SXN4(N pond)	MCS pond	2,9	1	4,12	Appears to be displaying hypomelanism, lighter skin and nails
7/28/2022	1922	606268546	4215	3.7	11.8	24.6	5.1	м	51.8	B12SXN4(N pond)	MCS pond	2,9	1	5,12	
7/28/2022	1922	606289259	4216	3.5	11.9	23.8	4.6	м	45.5	B12SXN4(N pond)	MCS pond	2,9	1	6,12	
7/28/2022	1922	606274834	4217	3.5	11.9	23.8	4.9	м	46.9	B12SXN4(N pond)	MCS pond	2,9	1	7,12	
7/28/2022	1922	606280065	4218	3.5	11.2	23.7	4.8	м	46.2	B12SXN4(N pond)	MCS pond	2,9	1	8,12	
7/28/2022	1922	606279116	4219	3.6	12.8	25.2	5.4	м	54.5	B125XN4(N pond)	MCS pond	2,9	1	9,12	
7/28/2022	1922	606269024	4220	3.2	10.8	22.0	4.2	F	35.0	B12SXN4(N pond)	MCS pond	2,9	2	12	
7/28/2022	1922	606289612	4221	3.5	12.2	24.6	4.0	м	51.4	B12SXN4(N pond)	MCS pond	2,9	2	1,12	
7/28/2022	1922	606278615	4222	3.4	12.0	24.7	5.2	м	55.3	B12SXN4(N pond)	MCS pond	2,9	2	2,12	DR 1 is naturally small but not cut
7/28/2022	1922	606288829	4223	3.5	11.9	24.5	4.9	UNK	49.8	B12SXN4(N pond)	MCS pond	2,9	2	3,12	
7/28/2022	1922	606274043	4224	3.4	11.5	23.0	4.5	M	41.2	B12SXN4(N pond)	MCS pond	2,9	2	4,12	
7/28/2022	1922	606289009	4225	3.5	11.5	22.9	4.4	м	39.5	B12SXN4(N pond)	MCS pond	2,9	2	5,12	
7/28/2022	1922	606572821	4226	3.7	12.6	25.6	5.0	м	54.1	B12SXN4(N pond)	MCS pond	2,9	2	6,12	
8/2/2022	2122	606276037	4227	3.6	12,2	24.5	5.0	M	49.7	ID Nest	MCS pond	2,9	2	7,12	
8/2/2022	2122	606268790	4228	3.6	12.3	24.8	4.8	м	46.7	ID Nest	MCS pond	2,9	2	8,12	
8/2/2022	2122	606352633	4229	3,6	12,3	25.0	4.9	м	49.8	ID Nest	MCS pond	2,9	2	9,12	
8/2/2022	2122	606286009	4230	3.6	11.6	24.0	4.6	м	44.9	1D Nest	MCS pond	2,9	3	12	
8/2/2022	2122	606271064	4231	3.6	12.2	24.2	4.7	M	44.2	ID Nest	MCS pond	2,9	3	1,12	

EMB = Everglades Mitigation Bank MCS = Mitigation Crocodile Sanctuary In the Everglades Mitigation Bank UNK = Unknown

Tagged Hatchlings 2022															
			Turkey Point	Head									Scute	Clippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD		5	Comments
8/2/2022	2122	606568381	4232	3.7	12.2	25.2	4.7	M	48.1	ID Nest	MCS pond	2,9	3	2,12	
8/2/2022	2122	606283785	4233	3.7	12.4	25.0	4.9	M	51.7	ID Nest	MCS pond	2,9	3	3,12	
8/2/2022	2122	606270559	4234	3.7	12.5	24.5	4.9	M	47.6	ID Nest	MCS pond	2,9	3	4,12	
8/2/2022	2122	606286126	4235	3.6	12,1	24.6	4.7	м	44.0	ID Nest	MCS pond	2,9	3	5,12	
8/2/2022	2122	606267837	4236	3.7	12.5	25.0	4.9	м	44.8	ID Nest	MCS pond	2,9	3	6,12	
8/2/2022	2122	606280286	4237	3.5	12.3	24.1	4.6	м	43.8	ID Nest	MCS pond	2,9	3	7,12	
8/2/2022	2122	606279795	4238	3.5	12.0	23.4	4.3	м	37.6	ID Nest	MCS pond	2,9	3	8,12	
8/2/2022	2122	606570277	4239	3.6	11.9	23.9	4.6	м	42.2	ID Nest	MCS pond	2,9	3	9,12	
8/2/2022	2122	606268280	4240	3.7	12.0	24.6	4.9	м	49.7	ID Nest	MCS pond	2,9	4	12	
8/2/2022	2122	606282293	4241	3.6	12.3	25.2	4.8	м	47.3	ID Nest	MCS pond	2,9	4	1,12	
8/2/2022	2122	606283113	4242	3.7	12,1	24.3	4.7	м	44.9	ID Nest	MCS pond	2,9,	4	2,12	
8/2/2022	2122	606289850	4243	3.7	12.3	25.1	4.8	м	46.6	ID Nest	MCS pond	2,9	4	3,12	
8/2/2022	2222	606289768	4244	4.0	12.8	26.4	5.6	м	66.2	B4ESXN2(M)	MCS pond	2,9	4	4,12	
8/2/2022	2222	606282044	4245	4.0	12.7	26.7	5.5	м	65.1	B4ESXN2(M)	MCS pond	2,9	4	5,12	
8/2/2022	2222	606272893	4246	4.0	12.8	26.0	5.3	м	61.7	B4ESXN2(M)	MCS pond	2,9	4	6,12	
8/2/2022	2222	606268102	4247	4.0	12.7	25.5	5.4	м	59.6	B4ESXN2(M)	MCS pond	2,9	4	7,12	
8/2/2022	2222	606277603	4248	4.0	13.0	26.1	5.6	м	65.5	B4ESXN2(M)	MCS pond	2,9	4	8,12	
8/2/2022	2222	606288566	4249	4.0	13.1	26.8	5.7	м	65.0	B4ESXN2(M)	MCS pond	2,9	4	9,12	
8/2/2022	2222	606278061	4250	3.9	12.9	26.2	5.6	F	65.4	B4ESXN2(M)	MCS pond	2,9	5	12	
8/2/2022	2222	606288295	4251	4.0	13.1	26.9	5.4	м	61.5	B4ESXN2(M)	MCS pond	2,9	5	1,12	
8/2/2022	2222	606111258	4252	4.0	13.0	26.6	5.4	м	62.3	B4ESXN2(M)	MCS pond	2,9	5	2,12	
8/2/2022	2222	606888521	4253	4.0	13.4	26.8	5.4	м	62.7	B4ESXN2(M)	MCS pond	2,9	5	3,12	
8/2/2022	2222	606114844	4254	3.8	13.1	26.2	5.4	м	62.8	B4ESXN2(M)	MCS pond	2,9	5	4,12	
8/2/2022	2222	606109789	4255	4.0	13.3	26.8	5.4	м	62.7	B4ESXN2(M)	MCS pond	2,9	5	5,12	
8/2/2022	2222	606111084	4256	4.0	13.3	26.5	5.5	м	65.4	B4ESXN2(M)	MCS pond	2,9	S	6,12	
8/2/2022	2222	606105048	4257	3.9	13.1	26.8	5.4	м	64.7	B4ESXN2(M)	MCS pond	2,9	5	7,17	
8/2/2022	2322	606117123	4258	4.1	13.8	27.5	5.1	м	59.8	B155XN4(M)	MCS pond	2,9	5	8,12	
8/2/2022	2322	606104338	4259	4.0	13.5	27.0	5.2	м	55.9	B15SXN4(M)	MCS pond	2,9	5	9,12	
8/2/2022	2322	606113576	4260	4.0	13.4	27.1	5.3	м	57.0	B155XN4(M)	MCS pond	2,9	6	12	
8/2/2022	2322	606001009	4261	4.0	13.3	27.1	4.9	м	51.8	B155XN4(M)	MCS pond	2,9	6	1,12	
8/2/2022	2322	606115805	4262	4.2	13.8	28.0	4.9	м	57.2	B15SXN4(M)	MCS pond	2,9	6	2,1	
8/2/2022	2322	606112837	4263	4.0	13.4	27.6	5.4	м	61.1	B15SXN4(M)	MCS pond	2,9	6	3,12	
8/2/2022	2322	606113893	4264	4.0	13.5	27.1	5.2	м	54.4	B15SXN4(M)	MCS pond	2,9	6	4,13	
8/2/2022	2322	606106818	4265	3.9	12.7	26.3	5.3	м	53.2	B15SXN4(M)	MCS pond	2.9	6	5.1	
8/2/2022	2322	606110518	4266	3.9	13.1	26.5	5.4	м	56.9	B155XN4(M)	MCS pond	2.9	6	6.1	
8/2/2022	2322	606103529	4267	4.0	12.8	26.7	5.2	м	53.8	B155XN4(M)	MCS pond	2,9	6	7.1	
8/2/2022	2322	606103578	4268	4.0	13.3	26.9	5.0	м	53.0	815SXN4(M)	MCS pond	2,9	6	8.1	
8/2/2022	2322	606104528	4269	4.0	13.4	27.2	5.0	м	53.2	B155XN4(M)	MCS pond	2.9	6	9.1	
8/2/2022	2322	606115837	4270	4.0	13.5	27.2	5.4	м	62.6	B155XN4(M)	MCS pond	2.9	1,	17	
8/2/2022	2322	605115795	4271	4.0	13.4	27.3	55	Гм	59.8	B155XN4(M)	MCS pond	1 20	 ,	1 1 1	
8/2/2022	2322	606105640	44/1	4.0	12.7	27.3	2.2	E 101	55.0	B155YMA/M	MCS pond	2,9	+	1,1,	······································
8/2/2022	2322	606103840	42/2	4.0	12.0	28.4	5.3		59.2	B155XM4(M)	MCS pond	2,9	<u>† </u>	2,1	
8/2/2022	2322	BUBIU/SBB	42/3	4.0	13.9	28.4	5.2		58.3	B100AIN4(IVI)	With pond	2,9	$+\frac{1}{-}$	3,1	
8/2/2022	2322	606117289	42/4	4.0	13.8	L 28.0	4.8	1 1	>3.3	B155XIN4(IVI)	I INICS pond		1 /	4,1	

EMB = Everglades Mitigation Bank MCS = Mitigation Crocodile Sanctuary in the Everglades Mitigation Bank UNK = Unknown

Tagged Hatchlings 2022															
			Turkey Point	Head								S	cute C	lippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	5	Comments
8/2/2022	2322	606116041	4275	4.0	13.4	27.4	5.4	м	59.4	B15SXN4(M)	MCS pond	2,9	7	5,12	
8/2/2022	2322	606115574	4276	4.0	13.4	27.0	5.3	м	58.0	B155XN4(M)	MCS pond	2,9	7	6,12	
8/2/2022	2322	606114566	4277	4.0	13.1	26.3	5.0	м	52.1	B15SXN4(M)	MCS pond	2,9	7	7,12	
8/2/2022	2322	606108365	4278	4.2	14.1	28.6	5.1	F	62,7	B155XN4(M)	MCS pond	2,9	7	8,12	
8/2/2022	2322	606105053	4279	4.0	13.2	26.9	5.2	F	54,4	B155XN4(M)	MCS pond	2,9	7	9,12	
8/2/2022	2322	606112263	4280	4.0	13.4	27.1	5.2	м	54.7	B155XN4(M)	MCS pond	2,9	8	12	
8/2/2022	2322	606110785	4281	4.0	12.8	26.1	5.1	м	54.1	B155XN4(M)	MCS pond	2,9	8	1,12	
8/2/2022	2322	606115612	4282	4.0	13.5	27.1	5.3	м	58.0	B155XN4(M)	MCS pond	2,9	8	2,12	
8/2/2022	UNK	606108769	4283	3.8	12.5	25.9	5.1	м	56.3	B31SXN4(S POND)	MCS pond	2,9	8	3,12	
8/2/2022	UNK	606115874	4284	3.8	12.0	24.5	5.2	м	55.4	B31SXN4(S POND)	MCS pond	2,9	8	4,12	
8/2/2022	UNK	606104279	4285	3.6	12.4	24.6	5.0	м	51.3	B31SXN4(S POND)	MCS pond	2,9	8	5,12	
8/2/2022	UNK	606115516	4286	4.1	14.0	28.6	5.7	м	69.1	B31SXN4(S POND)	MCS pond	2,9	8	6,12	
8/4/2022	UNK	606108557	4287	3,5	12.3	24.3	4.6	м	43.9	B31SXN4(S POND)	MCS main pond	2,9	8	7,12	
8/4/2022	UNK	606107258	4288	3.7	12.7	25.7	5.0	м	51.9	B31SXN4(S POND)	MCS main pond	2,9	8	8,12	
8/4/2022	2322	606113297	4289	4.2	13.6	27.8	4.9	F	53.3	B15SXN4(M)	MCS main pond	2,9	8	9,12	
8/4/2022	2322	606117005	4290	4.2	13.8	27.9	4.8	F	53.4	B155XN4(M)	MCS main pond	2,9	9	12	
8/4/2022	2322	606106028	4291	4,0	13.5	27.5	5.1	м	54.9	B15SXN4(M)	MCS main pond	2,9	9	1,12	
8/4/2022	2322	606116376	4292	4.0	13.8	27.1	5.1	м	53.7	B15SXN4(M)	MCS main pond	2,9	9	2,12	
8/4/2022	2322	606117048	4293	4.0	13.1	26,7	5.1	м	52,9	B15SXN4(M)	MCS main pond	2,9	9	3,12	
8/4/2022	2422	606115297	4294	4.1	13.2	26.9	5.1	м	54.9	MCS M4E	MCS main pond	2,9	9	4,12	
8/4/2022	2422	606108008	4295	4.0	13.8	27.3	5.0	м	56.2	MCS M4E	MCS main pond	2,9	9	5,12	
8/4/2022	2422	606115085	4296	4.1	13.7	28.4	5.2	м	61.0	MCS M4E	MCS main pond	2,9	9	6,12	
8/4/2022	2422	606110326	4297	5.0	13.2	26.6	5,0	м	54.9	MCS M4E	MCS main pond	2,9	9	7,12	
8/4/2022	2522	606114288	4298	3.5	11.7	23.2	4.9	м	47.0	B2ESXN5(M)	MCS main pond	2,9	9	8,12	
8/4/2022	2522	606108333	4299	3.5	12.6	24,6	5,0	м	52.9	B2ESXN5(M)	MCS main pond	2,9	9	9,12	
8/4/2022	2522	606112001	4300	3.5	11.7	23.3	5.0	м	47.2	B2ESXN5(M)	MCS main pond	3,9	0	12	
8/4/2022	2522	606113844	4301	3.6	12.1	24.0	5.1	м	54.1	B2ESXN5(M)	MCS main pond	3,9	0	1,12	
8/4/2022	2522	606103515	4302	3.5	12.0	23.6	5.0	м	50.1	B2ESXN5(M)	MCS main pond	3,9	0	2,12	
8/4/2022	2522	606117081	4303	3.5	12.2	23.8	4.8	м	47.9	B2ESXN5(M)	MCS main pond	3,9	0	3,12	
8/4/2022	2522	606115273	4304	3.5	11.6	23.3	4.9	м	48.2	B2ESXN5(M)	MCS main pond	3,9	0	4,12	
8/4/2022	2522	606109802	4305	3.5	12.4	24.4	5.0	м	51.8	B2ESXN5(M)	MCS main pond	3,9	0	5,12	
8/4/2022	2522	606114047	4306	3.5	11.6	23.8	5.1	м	51.5	B2ESXN5(M)	MCS main pond	3,9	0	6,12	
8/4/2022	2522	606116371	4307	3.5	11.2	22.3	4.6	м	42.8	B2ESXN5(M)	MCS main pond	3,9	0	3,7,12	Accidentally cut S3
8/4/2022	2522	606113124	4308	3.5	12,1	24,4	5.1	м	54.6	B2ESXN5(M)	MCS main pond	3,9	0	8,12	
8/4/2022	2522	606109775	4309	3.5	11.7	23.8	4.9	м	48.5	B2ESXN5(M)	MCS main pond	3,9	0	9,12	
8/4/2022	2522	606116345	4310	3.6	12.1	24.0	5.0	м	52.3	B2ESXN5(M)	MCS main pond	3,9	1	12	
8/4/2022	2522	606114513	4311	3.5	11.4	23.2	5.0	м	50.2	B2ESXN5(M)	MCS main pond	3,9	1	1,12	
8/4/2022	UNK	606116789	4312	4.1	13.6	28.2	5.3	м	60.4	C1SXN5(E side)	MCS main pond	3,9	1	2,12	Straggler
8/4/2022	UNK	606116599	4313	4.0	14.0	27.7	5.5	м	65.5	C1SXN5(E side)	MCS main pond	3,9	1	3,12	Straggler
8/4/2022	UNK	606105812	4314	4.2	14.5	29.0	5.5	F	67.0	C6SXN5(N)	MCS main pond	3,9	1	4,12	Straggler
8/9/2022	2922	606106594	4315	4.2	13.1	27.0	4.8	м	55.4	B25SXN4(M)	MCS main pond	3,9	1	5,12	Highly reduced pattern croc
8/9/2022	2922	606106549	4316	4.1	13.5	27,4	5.0	м	57.8	B255XN4(M)	MCS main pond	3,9	1	6,12	Highly reduced pattern croc
8/9/2022	2922	606106380	4317	4.0	13.5	27.3	4.9	м	53.5	B25SXN4(M)	MCS main pond	3,9	1	7,12	

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Tagged Hatchlings 2022															
			Turkey Point	Head									Scute	Clippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
8/9/2022	2922	606103810	4318	4.0	13.3	26.7	5.0	M	52.7	B255XN4(M)	MCS main pond	3,9	1	8,12	
8/9/2022	2922	606109875	4319	4.0	13.5	27.3	4.3	M	51.3	B255XN4(M)	MCS main pond	3,9		9,12	
8/9/2022	2922	606111777	4320	4.0	13.0	27.2	5.0	м	56.9	B255XN4(M)	MCS main pond	3,9	2	12	
8/9/2022	2922	606105781	4321	4.0	13.3	27.1	4.8	м	52.4	B255XN4(M)	MCS main pond	3,9	2	1,1	
8/9/2022	2922	606109812	4322	4.0	13.7	27.8	4.9	M	57.5	B255XN4(M)	MCS main pond	3,9	2	2,12	
8/9/2022	2922	606109787	4323	4.0	13.4	26.6	4.7	M	50.0	B25SXN4(M)	MCS main pond	3,9	2	3,12	
8/9/2022	2922	606117356	4324	4.0	13.8	28.1	4.1	м	55.9	B255XN4(M)	MCS main pond	3,9	2	4,12	
8/9/2022	2922	606105084	4325	4.0	13.4	26.8	4.7	м	50.7	B25SXN4(M)	MCS main pond	3,9	2	5,1	
8/9/2022	2922	606107262	4326	4.0	13.0	27.0	4.6	M	51.6	B25SXN4(M)	MCS main pond	3,9	2	6,1	
8/9/2022	UNK	606117027	4327	3.6	12.1	24.5	4.2	M	38.8	B265XN5(M pond)	MCS main pond	3,9	2	7,1	
8/9/2022	UNK	606107788	4328	3.5	10.9	22.5	4.1	м	36.9	B26SXN5(M pond)	MCS main pond	3,9	2	8,1	
8/9/2022	UNK	606117061	4329	3.6	12.1	24.7	4.4	м	42.0	B26SXN5(M pond)	MCS main pond	3,9	2	9,1	
8/9/2022	UNK	606116584	4330	3.7	11.8	24.5	4.3	м	38.0	B265XN5(M pond)	MCS main pond	3,9	3	12	
8/9/2022	UNK	606116593	4331	3.8	12.7	25.6	4.7	м	46.3	B26SXN5(M pond)	MCS main pond	3,9	3	1,1	
8/9/2022	UNK	605115102	4332	3.7	12.1	24.9	4.4	м	40.9	B26SXN5(M pond)	MCS main pond	3,9	3	2,1	
8/9/2022	UNK	606109604	4333	3.7	12.3	24.8	4.4	F	38.5	B26SXN5(M pond)	MCS main pond	3,9	3	3,1	
8/9/2022	UNK	606111894	4334	3.5	10.7	22.3	3.9	м	29,9	B26SXN5(M pond)	MCS main pond	3,9	3	4,1	
8/9/2022	UNK	606106586	4335	3.6	12.2	24.7	4.5	F	39.6	B26SXN5(M pond)	MCS main pond	3,9	3	5,1	
8/9/2022	UNK	606113379	4336	3.7	12.5	25.6	4.6	F	43.5	B26SXN5(M pond)	MCS main pond	3,9	3	6,1	
8/9/2022	2822	606110037	4337	3.5	12.2	24.8	4.5	F	53.5	123 4/5 Cut	MCS main pond	3,9	3	7,1	Hatchling has eye infection
8/9/2022	2822	606105382	4338	3.5	12.1	24.3	4,4	F	49.6	123 4/5 Cut	MCS main pond	3,9	3	8,1	Hatchling has eye infection
8/9/2022	2822	606110806	4339	3.5	11.6	23.2	4.1	F	50.5	123 4/5 Cut	MCS main pond	3,9	3	9,1	Hatchling has eye infection
8/9/2022	2722	606114382	4340	3.9	12.7	25.8	4.9	F	47.8	B20SXN4(S)	MCS main pond	3,9	4	12	
8/9/2022	UNK	606110040	4341	3.6	12.0	24.8	4.5	F	43.0	B29SXN5(M pond)	MCS main pond	3,9	4	1,1	
8/9/2022	UNK	606107813	4342	4.5	14.9	30.7	5.2	м	63.2	B24SXN4(M)	MCS main pond	3,9	4	2,1	Straggler
8/9/2022	UNK	606115041	4343	4.1	13.9	28.7	5.2	м	61.6	B23SXN4(M)	MCS main pond	3,9	4	3,1	Straggler
8/9/2022	UNK	606113797	4344	4.5	14.7	30.0	5,4	F	64.2	C32SXN5	MCS main pond	3,9	4	4,1	Straggler
8/9/2022	UNK	605261524	4345	4.1	13.8	27.7	5.2	F	60.1	B5ESXN2(M)	MCS main pond	3,9	4	5,1	
8/9/2022	UNK	606104878	4346	4.0	13.9	27.7	5.4	F	61.8	B5ESXN2(M)	MCS main pond	3,9	4	6,1	
8/11/2022	UNK	606111807	4347	3.7	12.0	25.0	4.7	м	46.2	B295XN4(M Pond)	B295XN5(S Pond)	3,9	4	7,1	
8/11/2022	UNK	606104623	4348	3.9	13.1	27.1	4.7	м	50.0	B29SXN4(M Pond)	B295XN5(S Pond)	3,9	4	8,1	
8/11/2022	UNK	606115808	4349	3.7	12.0	26.7	4.7	м	48.6	B29SXN4(M Pond)	B29SXN5(S Pond)	3,9	4	9,1	
8/11/2022	UNK	606107822	4350	3.7	12.8	25.6	4.6	м	47.1	B29SXN4(M Pond)	B29SXN5(S Pond)	3,9	5	12	
8/11/2022	UNK	606569543	4351	3.7	12.9	26.2	4.8	м	48.3	B29SXN4(M Pond)	B295XN5(S Pond)	3,9	5	1,1	
8/11/2022	UNK	606285346	4352	4.3	14.5	30.0	5.5	м	75.7	B30SXN5(S Pond)	B29SXN5(S Pand)	3,9	5	2,1	
8/11/2022	3022	606271537	4353	4.2	14.6	29.5	5.5	м	66.7	B29SXN5(S Pond)	B29SXN5(S Pond)	3,9	5	3,1	
8/11/2022	3022	606275621	4354	4.3	14.6	29,4	5,5	м	70.0	B29SXN5(S Pond)	B29SXN5(S Pond)	3,9	5	4,1	
8/11/2022	UNK	606273621	4355	4.0	13.5	26.8	4.8	F	50.2	C15SXN4(M)	B29SXN5(S Pond)	3,9	5	5,1	
8/11/2022	UNK	606270573	4356	4.0	13.6	27.1	5.0	м	53.0	C15SXN4(M)	B29SXN5(S Pond)	3,9	5	6,1	
8/11/2022	UNK	606289803	4357	3.9	12.6	24.5	4.9	м	45.3	C15SXN4(M)	B29SXN5(S Pond)	3,9	5	7,1	
8/11/2022	UNK	606269626	4358	3.9	13.4	27.2	4.9	м	53.1	B29SXN5(CCS)	B29SXN5(S Pond)	3,9	5	8,1	· · · · · · · · · · · · · · · · · · ·
8/11/2022	UNK	606280612	4359	4.5	14.4	28.7	5.4	F	61.9	UNK	B29SXN5(S Pond)	3,9	5	9,1	
8/15/2022	3122	606284553	4360	4.1	13.7	28.0	4.9	м	57.4	B12SXN4(S Pond)	B29SXN5(S Pond)	3,9	6	12	

EMB = Everglades Mitigation Bank

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Tagged Hatchlings 2022															
Date Marked	Nest Number	Tag Number	Turkey Point Number	Head (cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	Scute (lippings S	Comments
8/15/2022	3122	606270625	4361	3.5	11.8	23.0	4.0	м	36.6	B12SXN4(S Pond)	B29SXN5(S Pond)	3,9	6	1,12	
8/15/2022	3122	606283332	4362	3.4	11.0	22.0	3.8	м	28.3	B12SXN4(S Pond)	B29SXN5(S Pond)	3,9	6	2,12	
8/15/2022	3122	606267890	4363	3.7	12.4	25.5	4.6	м	46.1	B12SXN4(S Pond)	B29SXN5(S Pond)	3,9	6	3,12	
8/15/2022	3122	606288264	4364	4.0	13.6	27.8	5.0	м	58.2	B12SXN4(S Pond)	B29SXN5(S Pond)	3,9	6	4.12	
8/15/2022	3122	606284053	4365	43	14.8	29.2	5.1	м	65.8	B12SXN4(S Pond)	B125XN4(S Pond) B295XN5(S Pond)		6	5.12	
8/15/2022	2122	606284633	4365	4.0	13.5	23.2	45	M	56.8	B12SXN4(S Pond)	B29SXNS(S Pond)	3.9	6	6.12	
8/15/2022	3122	606289338	4300	3.0	13.5	25.6	4.5	M	44.8	B12SYN4/S Pond)	B29SYN5(S Pond)	3.9	6	7 13	
8/13/2022	3122	606289383	4307	2.0	12.5	2510	45		45.2	P12SYN4(S Bond)	R205YN5/S Pond)	20	6	0.1	
8/15/2022	3122	606280772	4308	3,0	12.7	27.1	47	M	F1 2	B125XN4(S Pond)	B295XN5(5 Pond)	20	6	0,1	
8/15/2022	3122	606271365	4389	4.0	13.1	27.1	4.7		60.7	B125XN4(5 Pond)	B295XN5(5 Fond)	2,5	7	17	
8/15/2022	3122	606284291	4370	4.1	13.7	27.8	5.0	101	60.7		P205XNS(5 Fond)	3,5	1 7	1.1*	
8/15/2022	UNK	606286854	43/1	4.2	14.5	28.7	5.1	101	80.3		B253XN3(3 F010)	3,5	+ -	1,1,	
8/15/2022	UNK	606271070	43/3	3./	12.3	25.8	4.3	- F	38.0	CODEVAID (ATU ICI AND IN)	B295XN5(S Pond)	3,9	+ -	3,1	
8/15/2022	UNK	606286889	4374	3.8	12.8	24.9	4.7	F	45.9	C32SXN3 (4TH ISLAND IN)	BZ95XN5(S Pond)	3,9	1	4,1	
8/15/2022	UNK	606271875	4375	4.2	13.2	26,3	5.2	F	62,8	C325XN3 (4TH ISLAND IN)	B295XN5(5 Pond)	3,9	+	5,1	
8/15/2022	UNK	606271028	4376	4.3	14.2	29.4	5.4	м	55.9	C32SXN3 (4TH ISLAND IN)	B295XN5(S Pond)	3,9	7	6,1	
8/15/2022	3222	605278531	4377	4.0	13.2	26.3	4.5	м	43.8	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	7	7,1	Clutch is rather thin
8/15/2022	3222	606290318	4378	3.9	12.8	26.2	4.6	F	45.6	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	7	8,13	Clutch is rather thin
8/15/2022	3222	606277068	4379	4.0	13.1	25.8	4.5	F	45.2	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	7	9,1	Clutch is rather thin
8/15/2022	3222	606267294	4380	3.8	13.0	25.7	4.4	F	42.3	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	8	12	Clutch is rather thin
8/15/2022	3222	606270283	4381	3.8	13.9	25.7	4.3	F	40.5	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	8	1,12	Clutch is rather thin
8/15/2022	3222	606276597	4382	4.0	13.1	26.5	4.8	м	51.5	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	8	2,13	Clutch is rather thin
8/15/2022	3222	606281848	4383	4.0	13.5	27,4	4.9	F	54,3	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	8	3,1	Clutch is rather thin
8/15/2022	3222	606273019	4384	3.9	13.0	26.0	4.8	м	49.9	B3ESXN3(M) CANAL 3	B29SXN5(S Pond)	3,9	8	4,1	Clutch is rather thin
8/17/2022	UNK	606269590	4385	4.2	14.1	27.6	5.1	F	65.5	CATTAILS C32SXN3	B29SXN5(S Pond)	3,9	8	5,1	
8/17/2022	UNK	606273871	4386	4.2	13.4	26.5	4.5	м	49.6	B14SXN1 NI	B29SXN5(S Pond)	3,9	8	6,1	
8/17/2022	UNK	606267628	4387	4.0	13.4	27.1	4.5	м	47.1	B29SXN4 (M POND)	B29SXN5(S Pond)	3,9	8	7,1	Has underbite
8/17/2022	UNK	606278335	4388	4.0	13.4	27.1	4.9	м	59.1	B29SXN4 (M POND)	B29SXN5(S Pond)	3,9	8	8,1	
8/17/2022	3322	606280593	4389	4.0	13.1	26.9	4.5	м	51.3	B4ESXN4(N)	B29SXN5(S Pond)	3,9	8	9,1	
8/17/2022	3322	606280549	4390	4.0	13.1	26.9	4.5	м	49.0	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	12	
8/17/2022	3322	606271083	4391	4.1	13.3	27.4	4.5	м	51.5	B4ESXN4(N)	B29SXN5(S Pond)	3,9	1,9	1,1	DL1 cut by mistake
8/17/2022	3322	606285012	4392	4.0	13.9	28.4	4,6	м	54.2	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	2,1	
8/17/2022	3322	606280105	4393	4.0	13.5	27.4	4.5	м	53.7	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	3,1	
8/17/2022	3322	606275860	4394	4.0	13.3	26.9	4.5	F	49.6	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	4,1	
8/17/2022	3322	606277876	4395	4.0	13.4	27.1	4.6	м	54.6	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	5,1	
8/17/2022	3322	606284816	4396	4.0	13.4	26.8	4.6	F	49.6	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	6,1	
8/17/2022	3322	606279089	4397	4.0	13.3	27.1	4.8	м	54.1	B4ESXN4(N)	B29SXN5(S Pond)	3,9	و	7,1	
8/17/2022	3322	606270114	4398	4.0	13.4	28.0	4.8	м	54.4	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	8,1	
8/17/2022	3322	606285016	4399	4.0	13.2	26.7	4.4	м	47.2	B4ESXN4(N)	B29SXN5(S Pond)	3,9	9	9,1	
8/17/2022	3322	606279009	4400	4.0	13.2	26.4	4.5	м	49,8	B4ESXN4(N)	B29SXN5(S Pond)	3,4,	0	12	DR 3 cut by mistake
8/17/2022	3322	606268594	4401	4,1	13.7	28.5	4.7	м	57.6	B4ESXN4(N)	B295XN5(S Pond)	4,9	0	1,1	
8/17/2022	3322	606283769	4402	3.9	12.9	26.2	4.4	м	45.4	B4ESXN4(N)	B29SXN5(S Pond)	4.9	0	2.1	
8/17/2022	3222	606274636	4403	4.0	13.3	27.1	4.2	м	49.8	B3ESXN3(M)	B29SXN5(S Pond)	4.9	0	3.1	
8/17/2022	3222	606267892	4404	4.0	13.0	26.4	4.1	м	40.5	B3ESXN3(M)	B29SXN5(S Pond)	4.9	l o	4.1	
8/1//2022	5222	000207893	4404	4.0	1 12.0	20,4	1 ***	1 101	1 40.0	USCOMUSIAN		^e ,		· · · · · · · ·	

EMB = Everglades Mitigation Bank

MCS = Mitigation Crocodile Sanctuary in the Everglades Mitigation Bank UNK = Unknown

Tagged Hatchlings 2022															
			Turkey Point	Head								S	cute C	lippings	
Date Marked	Nest Number	Tag Number	Number	(cm)	Snout Vent (cm)	Total Length (cm)	Tail Girth (cm)	Sex	Weight (g)	Capture Location	Release Location	RD	LD	S	Comments
8/17/2022	UNK	606284780	4405	4.0	13.1	26.8	4.5	м	50.3	UNK	B29SXN5(S Pond)	4,9	0	5,12	
8/17/2022	UNK	606278125	4406	4.2	14.0	28.6	4.8	м	61.2	UNK	B295XN5(S Pond)	4,9	0	6,12	
8/17/2022	UNK	606281830	4407	4.0	13.1	26.5	4.6	м	48.5	UNK	B29SXN5(S Pond)	4,9	0	7,12	
8/17/2022	UNK	606289105	4408	4.0	13.2	27.6	4.5	м	50.9	UNK	B29SXN5(S Pond)	4,9	0	8,12	
8/17/2022	UNK	606270842	4409	4.2	14.7	29.2	5.2	м	64.7	UNK	B29SXN5(S Pond)	4,9	0	9,12	
8/17/2022	UNK	606281281	4410	4.0	13.3	27.2	4.7	F	51.9	UNK	B29SXN5(S Pond)	4,9	1	12	
8/23/2022	UNK	606275890	4411	4.5	14.5	29.9	5.2	м	67.3	UNK	829SXN5(S Pond)	4,9	1	1,12	
8/23/2022	UNK	606271617	4412	4.4	14.5	29,4	5.4	F	68.8	UNK	B29SXN5(S Pond)	4,9	1	2,12	
8/23/2022	UNK	606286821	4413	4.7	15.0	31.4	5.4	м	78.9	UNK	B29SXN5(S Pond)	4,9	1	3,12	
8/23/2022	UNK	606273834	4414	4.0	14.5	27.4	4.4	м	50.2	UNK	B29SXN5(S Pond)	4,9	1	4,12	
8/23/2022	UNK	606267564	4415	4.0	13.2	27.6	5.0	м	53.6	UNK	B29SXN5(S Pond)	4,9	1	5,12	
8/23/2022	UNK	606288540	4416	4.5	14.3	30.3	5.4	F	67.1	UNK	B29SXN5(S Pond)	4,9	1	6,12	

Table 5. Crocodile ID Surveys 2022

2022 Crocodile ID Surveys													
		Distance From Start in											
		Miles. (est.	# Crocodiles		Total Length								
Date	Start Time	meters)	Observed	Location	(est. meters)	Sex	Surveyor	Comments					
1/14/2022	9:45	0.0	0	WB	0	0	ML	Cold windy day. No crocs seen.					
1/18/2022	11:15	0.1	1	EB	2.5	Female	ML						
		0.2	1	EB	2.25	Female	ML						
		0.2	1	EB	2.25	Female	ML						
		0.6	1	EB	2.25	Female	ML						
		1.0	1	EB	2.25	Female	ML						
		4.0	1	EB	2.0	Unk	ML						
2/1/2022	10:30	0.0 (50m)	1	М	2.25	Female	ML						
		0.0 (100m)	1	EB	2.25	Female	ML						
		0.0 (50m)	1	EB	2.25	Female	ML						
		0.1	1	EB	2.5	Female	ML						
		0.2	1	EB	2.25	Female	ML						
		0.2 (10m)	1	EB	2.5	Female	ML						
		0.3	1	EB	3.25	Male	ML						
		0.4	11	EB	2.25	Female	ML						
		0.4 (20m)	1	EB	2.0	Female	ML						
		0.4 (20m)	1	EB	2.25	Female	ML						
		2.5	1	EB	2.5	Female	ML						
		2.5 (20m)	1	M	2.25	Female	ML						
		2.7	1	EB	3.25	Male	ML						
2/24/2022	15:20	0.0 (5m)	1	EB	2.0	Female	ML						
		0.3	1	М	2.25	Female	ML						
		0.5	1	EB	2.25	Female	ML						
		0.7	1	EB	2.25	Female	ML						
		1.7	1	EB	2.5	Female	ML						
		2.1	1	EB	1.5	Unk	ML						
		2.5	1	EB	2.0	Female	ML						
		2.7	1	M	1.5	Unk	ML						
		2.7 (10m)	1	M	1.75	Unk	ML						
		3.4	1	EB	3.0	Male	ML						
		4.0	1	M	2.0	Female	ML						

EB = East Bank WB = West Bank M= Middle

Table 5. Crocodile ID Surveys 2022

2022 Crocodile ID Surveys													
		Distance											
		From Start in											
		Miles. (est.	# Crocodiles		Total Length								
Date	Start Time	meters)	Observed	Location	(est. meters)	Sex	Surveyor	Comments					
3/10/2022	15:50	0.1	1	EB	2.0	Female	ML						
		1.6	11	EB	2.5	Female	ML						
		2.0	1	EB	2.5	Female	ML						
		2.3	1	EB	2.0	Female	ML						
		2.9	1	EB	2.5	Female	ML						
		3.4	1	EB	2.0	Female	ML						
		3.4 (1m)	1	EB	3.0	Male	ML						
		5.0	1	EB	1.5	Unk	ML						
								Extremely hot day. Adult female red belly					
3/18/2022	15:10	0.0 (20m)	1	EB	2.75	Female	ML	slider basking at 1.3 miles					
		0.2	1	EB	2.25	Female	ML						
		0.3	1	EB	2.25	Female	ML	0.10.00.00.00.00.00.00.00.00.00.00.00.00					
		0.4	1	EB	2.5	Female	ML						
4/8/2022	14:02	0.0	1	on Rd	2.25	Female	ML						
		0.0 (5m)	1	EB	2.25	Female	ML						
		0.0 (10m)	1	EB	2.0	Female	ML						
		0.0 (5m)	1	EB	2.25	Female	ML						
		0.2	1	EB	2.25	Female	ML						
		0.3	1	EB	2.25	Female	ML						
		0.3 (10m)	11	EB	2.25	Female	ML						
		0.4	11	EB	2.5	Female	ML						
		0.4 (10m)	1	EB	2.25	Female	ML						
		0.5	1	EB	3.0	Male	ML						
		0.9	1	EB	1.75	Unk	ML						
		2.3	1	EB	1.75	Unk	ML	· · · · · · · · · · · · · · · · · · ·					
		2.4	1	EB	2.25	Female	ML						

EB = East Bank WB = West Bank M= Middle

Table 5. Crocodile ID Surveys 2022

2022 Crocodile ID Surveys													
		Distance											
		From Start in											
		Miles. (est.	# Crocodiles		Total Length								
Date	Start Time	meters)	Observed	Location	(est. meters)	Sex	Surveyor	Comments					
4/22/2022	14:45	0.0	1	EB	2.25	Female	ML						
		0.0 (5m)	1	EB	2.75	Female	ML						
		0.1	1	EB	2.5	Female	ML						
		0.2	1	EB	2.25	Female	ML						
		0.4	1	EB	2.25	Female	ML						
		0.5	1	EB	3	Male	ML						
		2.7	1	EB	1.75	UNK	ML						
		3.4	1	EB	1.5	UNK	ML						
		5.1	1	М	2.25	Female	ML						
4/27/2022	11:10	0.0	1	EB	2.25	Female	ML						
		0.2	1	EB	2.25	Female	ML						
		0.3	1	EB	2.5	Female	ML						
		0.3(5m)	1	EB	2.5	Female	ML						
		0.4	1	М	UNK	UNK	ML						
		0.4(5m)	1	EB	2.25	Female	ML						
		0.5	1	EB	3	Male	ML						
		1.0	1	М	2.5	Female	ML						
		1.4	1	EB	1.5	UNK	ML						
		2.0	1	EB	2.75	Male	ML						
		3.8	1	M	2.25	Female	ML						
		4.6	1	EB	1.75	UNK	ML						
5/20/2022	14:00	0.0(5m)	1	EB	2.25	Female	ML						
		0.0(10m)	1	EB	2.25	Female	ML						
		0.2	1	EB	2.25	Female	ML						
		0.2(10m)	1	EB	2.5	Female	ML						
		0.2(10m)	1	EB	2.5	Female	ML						
		0.2(2m)	1	EB	2.5	Female	ML						
		0.4	1	EB	2.25	Female	ML						
		1.1	1	EB	2.5	Female	ML						
		2.4	1	М	2.5	Female	ML						
		2.5	1	EB	2.25	Female	ML						

EB = East Bank WB = West Bank M= Middle
Table 5. Crocodile ID Surveys 2022

	2022 Crocodile ID Surveys										
		Distance									
		From Start in									
		Miles. (est.	# Crocodiles		Total Length						
Date	Start Time	meters)	Observed	Location	(est. meters)	Sex	Surveyor	Comments			
5/24/2022	11:30	0.0	1	EB	2.25	Female	ML	ML with FWC least tern survey crew			
		0.0(5m)	1	EB	2.25	Female	ML				
		0.2	1	EB	2.25	Female	ML				
		0.3	1	EB	2.25	Female	ML				
		0.3	1	EB	2.25	Female	ML				
		0.5	1	EB	2.25	Female	ML				
		1.8	1	EB	3.0	Male	ML				
		1.9	1	EB	2.25	Female	ML				
		2.3	1	EB	2.0	Female	ML				
6/16/2022	14:10	0.0	0	WB	0	0	ML	Extremely hot, no crocs out			
6/29/2022	14:10	0.1	1	EB	2.25	Female	ML	Extremely hot			
9/7/2022	10:00	0.1	1	EB	3	N/A	JW	Joe Wasilewski survey			
		0.2	1	WB	2.5	N/A	JW				
		0.3	1	WB	2	N/A	JW				
		0.3(50 m)	1	EB	2	N/A	JW				
		0.4	1	EB	2	N/A	JM				
		0.6	1	M	1.75	N/A	JW				
		1.0	1	М	2	N/A	JW				
		1.0	1	EB	2	N/A	JW				
		1.8	1	M	1.5	N/A	JW				
		2.2	1	М	1.75	N/A	JW				
		2.3	11	М	1.75	N/A	JW				
10/17/2022	10:35	1.9	1	EB	3.25	Male	ML				
10/20/2022	11:17	1.6	11	EB	3	Male	ML				
		2.7	1	EB	2.25	UNK	ML				
		3.7	1	EB	1.75	UNK	ML				
10/28/2022	15:00	0.1	1	EB	2.5	Female	ML				
		0.3	1	EB	2.25	Female	ML				
		2.8	1	EB	3	Male	ML				
		4.9	1	EB	2	UNK	ML				
		5.4	1	EB	2	UNK	ML				

EB = East Bank WB = West Bank M= Middle

Table 5. Crocodile ID Surveys 2022

	2022 Crocodile ID Surveys										
Date	Start Time	Distance From Start in Miles. (est. meters)	# Crocodiles Observed	Location	Total Length (est. meters)	Sex	Surveyor	Comments			
11/9/2022	8:10	0.2	1	EB	2.25	Female	ML	Raining pre-tropical storm/hurricane Nicole			
		2.3	1	EB	3.25	Male	ML				
		4.4	1	EB	2	UNK	ML				
12/1/2022	15:05	0.0	0	0	0	0	ML	Heavy winds/rain at start of survey. Not ideal conditions for crocs or visibility. Saw snow goose at SW corner of ID			

Table 6. Captured Crocodiles 2022

Captured Crocodiles 2022																
		Turkey Point		Snout Vent	Total Length	Head Length								S	cute Cli	ppings
Date Captured	Capture Method	Number	Tag Number	(cm)	(cm)	(cm)	Tail Girth (cm)	Weight (g)	Sex	Capture Location	Release Location	New or Recapture	Comments	RD	LD	S
8/11/2022	Hand capture	606277847	4372	19.8	38.6	5.6	6.5	132	м	B12SXN4(S POND)	B29SXN5(S Pond)	NEW	ACCIDENTALLY CUT 53	9	7	2,3,12
9/15/2022	Hand capture	605806297	3699	42.5	83.5	12.5	17.0	1587	М	CWRC work site	4/5 cut on W side	Recapture		6,9	6,9	9,10,11



Figure 1. Numbering and Identification System for the Turkey Point Cooling Canal System



Figure 2. Identification of Turkey Point Critical Crocodile Habitats







Figure 4. Numbering and Identification for the Turkey Point Test Canal System



Figure 5. Numbering and Identification of Turkey Point Mitigation Crocodile Sanctuary Nest Mounds



Figure 6. 2022 Nest Locations at Turkey Point Clean Energy Center

Appendix 1

Proper Crocodile Hatchling Note Taking Procedure

Michael Lloret FPL Sr. Environmental Specialist/Wildlife Biologist Florida Power & Light Turkey Point

Accurate note taking is a critical part of our program. All of the required information that we collect during hatchling surveys is documented in the field book, annual report and database. The data we collect is crucial to understanding the threatened American crocodile population health and status at Turkey Point.

<u>Key terms</u>

- Berm and canal nomenclature. Example: C5SXN2 (Canal 5 section 2) and B5SXN2 (Berm 5 section 2). Including what general location of berm/canal you are in is important as well. Example: B15SXN3(N) would indicate the location is on berm 15 section 3 on the north side of the berm.
- Data recorded using metric measurements. Examples: Temperature in Celsius, length in centimeters/meters, weight in grams/kilograms
- Salinity recorded in parts per thousand (ppt)

<u>Heading</u>

- Date
- Title of Survey, example: ID Survey
- Initials of participants in survey
- Time of day
- Other important environmental factors such as weather

Crocodiles observed (non-captures)

- Location of observed crocodile. In the CCS by berm or canal, example B12SXN5(S) and or GPS. In the ID by mileage in vehicle during survey and or GPS
- Estimated size in meters
- Any observations pertinent to that particular animal, example: fresh scar on top jaw or out on bank basking

Hatchlings captured

- Location of captures, example: B7SXN1(S) if on berm, C7SXN1(S) if in canal or B7SXN1(S pond) if in pond.
- If captured in pond, record salinity (ppt) and water temperature (Celsius)
- Amount of crocodiles caught in same area and corresponding nest (if known)
- Miscellaneous details about terrain or location, example: caught under large buttonwood in burrow
- Keeping animals caught in separate locations/hatched from different nests need to be kept separately in bags in order to be able to collect scute clips grouped by siblings and not mix the samples.

<u>Lab work</u>

- Hatchlings brought back to the lab are kept in clean freshwater tanks or tubs
- Accurately labeling the hatchling aquariums/tubs by date caught, number of animals, and location of capture
- Record all biometric data including snout to vent (SVL), total length (TL), head (H), tail girth (TG), and weight in grams.
- Record the sex of the animal
- Carefully cut the hatchling scutes to correspond the unique scute clip number. Store them in desiccant by nest number for further studies
- Implant the unique AVID microchip
- Release into ideal hatchling crocodile nursery habitat in the time allowed by the permit (5 days from capture to release). Record date and location of release

Appendix 2

Permit Designees/Researchers

Michael Lloret Jodie Eldridge Kristin Eaton Joseph Wasilewski Frank Mazzotti Kenneth Spivey Andre Harper Turkey Point Nuclear Plant Docket Nos. 50-250 and 50-251

L-2023-040 Attachment

ENCLOSURE 3

Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

GEN-4b LOCATION MAP

(1 page follows)



Legend

- Approximate Building Location
- Approximate Camp Area/Structure
- PTN Site Boundary



Turkey Point Nuclear Plant Docket Nos. 50-250 and 50-251

ENCLOSURE 4

Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

AIR EMISSIONS SUMMARY TABLE

(1 page follows)

TURKEY POINT NUCLEAR GENERATING STATION, UNITS 3 AND 4 SLR

RAI Response AQN-1

Annual Air Emissions Summary, 2017–2021

E C

Annual Emissions (tons/year)										
Year	SO2	NOX	СО	PM10	PMt	VOCs	HAPs			
2017	1.389657	14.16644	1.817271	1.643459	1.972859	0.705654	NA			
2018	0.033365	10.59149	2.830367	0.177001	0.339956	0.310047	NA			
2019	0.031786	11.05892	2.974854	0.181299	0.35217	0.332084	NA			
2020	0.012742	13.10806	3.91569	0.215739	0.418023	0.358216	NA			
2021	0.038812	10.04178	2.701294	0.165904	0.320727	0.318861	NA			

Note: In 2018 FPL standardized the emissions calculations for its fleet. For PTN the calculations were changed from performance factor based calculations to calculations derived from the standard AP-42 emission factors.

ENCLOSURE 5

Turkey Point Nuclear Plant Unit 3 and Unit 4 Subsequent License Renewal Application

ANNUAL GREENHOUSE GAS EMISSION INVENTORY SUMMARY

(1 page follows)

TURKEY POINT NUCLEAR GENERATING STATION, UNITS 3 AND 4 SLR RAI Response AQN-2

Annual Greenhouse Gas Emissions Inventory Summary, 2017–2021

Carbon Dioxide Equivalent (CO ₂ e) Emissions, Metric Tons									
Emission Source	2017	2018	2019	2020	2021				
Combustion Sources ^(a)	416	497	522	605	479				
Workforce Commuting ^(b)	3,035	3,035	3,035	3,035	3,035				
TOTAL	3,451	3,532	3,557	3,640	3,514				

GHG calculated emissions are based on the following:

^(a) Fuel usage for combustion sources shown Table 3.3-10; 40 CFR Table A-1 to Subpart A of Part 98 - Global Warming Potentials.

^(b) Workforce commuting calculations are based on:

1. Statistical information from U.S. Census Bureau indicates that 5.2 percent of Florida workers in the Transportation and Warehouse and Utilities Industry carpool to work (USCB 2020). Number of PTN employees as of April 2022 was 690. Utilizing the 5.2 percent USCB carpool statistic, a value of "654" passenger vehicles per day was utilized.

2. The EPA's Greenhouse Gas Equivalencies Calculator the CO²e/year to be 3,035 metric tons for 654 vehicles (EPA 2022).

3. Carbon dioxide equivalent or CO2e means the number of units of another greenhouse gas that has the same global warming effect as a single unit of carbon dioxide.

4. As an example; 25 metric tons of carbon dioxide emissions has the equivalent global warming effect as a single metric ton of methane emissions. (Based on Table A-1 to Subpart A of 40 CFR Part 98).