



**Osprey Nesting Platform Habitat Improvement Project:
2009 Monitoring Report**

Niagara Power Project (FERC No. 2216)

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PREPARED FOR:

NEW YORK POWER AUTHORITY

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Osprey Nesting Platform HIP - 2009 Monitoring Report

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1.0 INTRODUCTION

The New York Power Authority's (NYPA) Niagara Power Project (Project) is licensed by the Federal Energy Regulatory Commission (FERC). As part of the relicensing process, NYPA, state and federal resource agencies, local governments, nongovernmental organizations, and other stakeholders signed a Comprehensive Relicensing Settlement Agreement that requires NYPA to develop several habitat improvement projects (HIPs) in the vicinity of Project lands and waters.

One of the HIPs includes the construction and monitoring of six Osprey (*Pandion haliaetus*) nesting platforms at suitable locations along the Niagara River. These nesting platforms will supplement two existing platforms that were installed by the New York State Department of Environmental Conservation (NYSDEC) and New York State Office of Parks, Recreation and Historic Preservation (OPRHP) at Buckhorn Marsh prior to the initiation of this HIP.

In 2007, NYPA installed the first nesting platform (OP-1) under this HIP in the northwest portion of Buckhorn Marsh, located on the northern end of Grand Island. This platform was used by a nesting pair of Osprey in spring 2008. In spring 2009, NYPA erected the second platform (OP-4) on an offshore breakwater island at the East River Marsh on the southeastern tip of Grand Island. The four remaining nesting platform locations scheduled for this HIP will be determined in the future.

The following sections of this report provide the 2009 results of annual monitoring of the two nesting platforms installed by NYPA under this HIP (OP-1, OP-4), as well as the two existing nesting platforms (OP-2 and OP-3) installed by NYSDEC and OPRHP.

2.0 OBJECTIVE

Monitoring requirements for this HIP were outlined in the HIPs Report (Kleinschmidt Associates and Riveredge Associates 2005). Specifically, the monitoring objective is to determine if the platforms are being utilized by target (i.e., Osprey) or non-target (i.e., Bald

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eagles, *Haliaeetus leucocephalus*) species within a 5-year period following installation and to annually inspect the structural integrity of NYPA's platforms to identify maintenance needs.

3.0 METHODS

Monitoring was conducted according to the *Osprey Nesting Platform Monitoring Plan* (Kleinschmidt Associates 2009), as summarized below.

3.1 Osprey Use of Platforms

Platforms installed by NYPA were visually monitored monthly during the May to September nesting season beginning in 2009. Observations were made with binoculars to record activity at the nests while maintaining a distance sufficient to minimize disturbance to the birds. Standardized field data sheets were used to record observations and field notes. In addition, digital photographs were taken to record Osprey use and physical condition of platforms. Information collected at each platform visit included the following:

- date and time of observation,
- length of observation period,
- weather conditions,
- observed Osprey activities (e.g., nest building activity),
- evidence of egg incubation or young in the nest,
- number of young observed,
- nearby activity that may affect Osprey nesting on the platform,
- platform condition, and
- digital photograph file numbers and notes.

3.2 Physical Condition of Platforms

The physical condition of the NYPA-installed platforms, specifically OP-1 and OP-4, was also documented during each field visit. Overall condition and any observed structural deficiencies or other maintenance needs were noted on the data sheets.

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3.3 Platforms Monitored in 2009

In 2009, field biologists from Gomez and Sullivan Engineers monitored the four platforms (Table 1) on May 28, June 17, July 16, August 17, and September 15. Platforms OP-1, OP-2, and OP-3 are located in Buckhorn Marsh in Buckhorn State Park, and OP-4 is located at East River Marsh in Beaver Island State Park (Figures 1 and 2).

TABLE 1. OSPREY NESTING PLATFORMS MONITORED IN 2009

ID	Platform	Installation Date	Installed By	Foundation/Pole/ Platform Type	Platform Height/Pole Height (ft above ground)
OP-1	Buckhorn Marsh - West	August 2007	NYPA & National Grid	Caisson/wood pole/NYPA-designed metal platform	68 ft/73 ft
OP-2	Buckhorn Marsh - East	pre-2007	NYSDEC & OPRHP	Utility pole/ wood platform	Approx. 25 ft
OP-3	Buckhorn Marsh - Central	pre-2007	NYSDEC & OPRHP	Utility pole/wood platform	Approx. 25 ft
OP-4	East River Marsh	June 2009	NYPA	H-pile and sleeve/ untreated wood pole/NYPA-designed metal platform	31 ft/36 ft

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FIGURE 1. OSPREY PLATFORM LOCATIONS IN BUCKHORN MARSH



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FIGURE 2. OSPREY NESTING PLATFORM IN EAST RIVER MARSH



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4.0 RESULTS

Five monthly monitoring visits were made to each of the four Osprey nesting platforms in 2009. Observations were recorded on the field data sheets, which are included in [Appendix A](#) and summarized in Table 2. Photographs taken in the field are included in [Appendix B](#). Monitoring results in 2009 documented nesting activity at one platform (OP-1) located at Buckhorn Marsh, however, the other two platforms at Buckhorn Marsh, OP-2 and OP-3, were not used. OP-4 was installed at East River Marsh in June 2009, after the start of the breeding season.

TABLE 2. SUMMARY OF 2009 OSPREY PLATFORM MONITORING RESULTS.

Site	Location	Condition/Status	2009 Nesting Activity
OP-1	Buckhorn Marsh -west	Installed August 2007; Osprey may have laid an egg(s) in 2008, but subsequently abandoned the nest and no chicks fledged. Excellent condition.	Nest building by Osprey Male & female on nest Nest tending Incubation Brooding Feeding one chick
OP-2	Buckhorn Marsh-east	Not assessed	None observed
OP-3	Buckhorn Marsh -central	Not assessed	None observed
OP-4	East River Marsh	Installed June 2009 after spring nest building period; platform seeded with sticks during construction. Excellent condition.	Osprey observed using perch

4.1 Platform Utilization

Two platforms were utilized during 2009. Activities observed during the nesting season are described as follows.

OP-1 – The platform was installed in August 2007 in the western portion of Buckhorn Marsh to draw nesting Osprey off of a nearby transmission line tower. Incidental observation of Osprey nesting at OP-1 was documented in 2008, in which the female appeared to have laid an egg(s),

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but subsequently abandoned the nest and no chicks fledged. The monitoring program was initiated in 2009 and during the first visit in May 2009, a female Osprey was observed hunkered down on the nest while the foraging male returned periodically to the nest. Neither Osprey appeared to be affected by bike activity observed along the access road near the nest. During the June 17 visit, both the male and female were present at the nest. The female was observed adding a stick to the nest and feeding a chick from fish brought back by the male. When not hunting, the male guarded the nest from the perch installed above the platform. While feeding the chick, the female was harassed by terns. On the July 16 visit, only the male was on the nest, and one chick was observed. On August 17, no activity was observed in the nest, although two Osprey were observed circling the area with fish in their talons. No Osprey were observed near the nest on the September 15 visit.

OP-4 – Installation of OP-4 at East River Marsh occurred in June 2009 and the platform was “seeded” with a mock nest composed of twigs and branches ([Appendix C](#)). This platform was installed well past the time that Osprey select and prepare nests. No Osprey were observed at the nest during any of the monitoring visits (July, August or September). In July, an Eagle Scout candidate constructed a bird observation blind in the distant tree line south of the platform. Soon after, an Osprey was documented visiting the platform through an incidental observation by the public, which included an Osprey landing on the nesting platform and circling above the platform ([Appendix D](#)). In another incidental observation, an Osprey was observed visiting OP-4 in early September (see [Appendix D](#)).

4.2 Physical Condition of Platforms

The NYPA platforms (OP-2 and OP-4) were visually inspected during each of the five monthly monitoring visits in 2009. Both platforms appeared to be in excellent condition throughout the monitoring season, and no maintenance concerns were noted.

5.0 DISCUSSION

Early indications are that the Osprey nesting platforms installed by NYPA are functioning as intended. As previously noted, incidental observations indicated that Osprey

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nested at NYPA's platform (OP-1) in Buckhorn Marsh in 2008, but no chicks were fledged. In 2009, at least one chick was observed, indicating successful reproduction at this location despite bicycle and jogger activity on the nearby access trail. At NYPA's request, OPRHP closed the trail near the platform in an effort to limit nest disturbances.

Osprey visits to OP-4 at East River Marsh in July and September are promising indications that this platform may be used during the first full nesting season in 2010, particularly because Osprey are known to investigate platforms in the first year after installation, before they begin nesting in subsequent years. This behavior has been observed several times at platforms installed by NYPA's St. Lawrence-FDR Power Project along the Lake St. Lawrence shoreline (Riveredge Associates 2009). A nesting pair of Osprey have been observed using an abandoned crane directly across the river from East River Marsh, and it is hoped that the Osprey will relocate to the nesting platform once the crane has been dismantled (reportedly scheduled for 2010).

The physical condition of both platforms installed by this HIP is excellent and they do not require maintenance at this time.

Unlike the NYPA nesting platforms, the DEC nesting platforms (OP-3, OP-4) have not proven successful during the past three years of monitoring. Osprey have not nested nor shown interest in the nesting platforms, although the reason for this is not clear.

6.0 REFERENCES

- Kleinschmidt Associates. 2009. Osprey Nesting Platform Monitoring Plan. Niagara Power Project, FERC No. 2216. Prepared by Kleinschmidt Associates. Prepared for New York Power Authority, White Plains, NY. June.
- Riveredge Associates. 2009. Osprey Nesting Platform Habitat Improvement Project. Results of 2009 Monitoring - Draft Report. St. Lawrence-FDR Power Project, FERC No. 2000. Prepared by Riveredge Associates, LLC. Prepared for New York Power Authority, White Plains, NY. October.

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Kleinschmidt Associates and Riveredge Associates. 2005. Investigation of Habitat Improvement Projects for the Niagara Power Project, Niagara Power Project, FERC No. 2216 – Volume 1: Public. Prepared by Kleinschmidt Associates and Riveredge Associates. Prepared for New York Power Authority, White Plains, NY. August.

Appendix A
Field Data Collection Forms

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

Date: (MM/DD/YY)	<u>05/28/2009</u>	Time Started:	<u>09:50</u> <input checked="" type="checkbox"/> AM/ <input type="checkbox"/> PM
Location /Site:	<input checked="" type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz Alan Haberstock		Length of Observation: 35 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) GREAT CONDITION.
Nest Present on Pole/Platform:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Nest Occupied:	<input type="checkbox"/> No <input checked="" type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input checked="" type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe)

Activity/Observations	Check	Describe
Osprey in the Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Nest Building in Progress	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Already built and occupied
Adult Osprey on Nest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Adult Osprey Pair on Nest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Female hunkered down on nest; male out fishing and returning periodically
Nest Tending	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Female on nest majority of time; She left nest once during observation for ~2min.
Evidence of Incubation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Female seems to stay close to nest at all times
Brooding/Shading	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __

Photograph File Number(s):	(list individually or the start & end of range) 0448, 0449, 0452, 0457
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
<ul style="list-style-type: none"> - Lots of biking activity along access road; did not seem to be negatively affecting Osprey - G.B. Heron / gulls / Cormorant in area

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Post-construction Monitoring Form

Date: (MM/DD/YY)	<u>05/28/2009</u>	Time Started:	<u>10:41</u> <input checked="" type="checkbox"/> AM/ <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input checked="" type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz Alan Haberstick	Length of Observation:	16 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA (Physical condition of non-NYPA poles not to be evaluated)
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Osprey to west of I-190, but none observed to east.
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __

Photograph File Number(s):	(list individually or the start & end of range) 0460
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

Date: (MM/DD/YY)	05/28/2009	Time Started:	09:19 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input checked="" type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz Alan Habershtock	Length of Observation:	25 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA (Physical condition of non-NYPA poles not to be evaluated)
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Osprey to west of I-190, but none observed to east.
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __

Photograph File Number(s):	(list individually or the start & end of range) 0434, 0439
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):

♂ - whiter breast plumage / smaller

♀ - mottled breast plumage / larger

Niagara Power Project: Osprey Habitat Improvement Project Post-construction Monitoring Form

Date: (MM/DD/YY)	6 / 17 / 20 09	Time Started:	9 : 36 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input checked="" type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz	Length of Observation:	1 1 8 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) GREAT CONDITION
Nest Present on Pole/Platform:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Nest Occupied:	<input type="checkbox"/> No <input checked="" type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input checked="" type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe)

Activity/Observations	Check	Describe
Osprey in the Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	♂ and ♀ observed
Nest Building in Progress	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	♀ brought back 1 stick for nest
Adult Osprey on Nest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Adult Osprey Pair on Nest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Nest Tending	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Both ♂ and ♀ keep close eye on nest
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	♀ while ♂ was hunting
Feeding	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	♀ fed chick for approx. 20 mins.
Chicks	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Number Observed: 0 Unknown @ this time.
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

before disturbed by terns.

Photograph File Number(s):	(list individually or the start & end of range) 100-3298, 100-3219, 100-3323, 100-3327
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
<ul style="list-style-type: none"> - Gulls, Terns, Blue Heron and Cormorant observed. - One runner and one bicyclist - Approx. 10³⁵ ♂ went hunting and ♀ stayed on nest. ♂ gave calls before he left. ♀ stays on lookout on nest. ♂ came back w/ 5-6" fish in talons @ 11⁰⁰. ♀ is clearly feeding chicks in nest while the ♂ goes on porch above to guard. ♀ gets bothered by terns 20min. into feeding. She leaves and comes back w/ one stick. ♀ goes back on nest to feed chicks.

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Post-construction Monitoring Form

Date: (MM/DD/YY)	06/17/2009	Time Started:	9:01 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input checked="" type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		Length of Observation: 23 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe	
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NO OSPREY OBSERVED	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Number Observed: __
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Number Observed: __

Photograph File Number(s):	(list individually or the start & end of range) 100-3268, 100-3279
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
Blue Heron was observed on platform.

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

Date: (MM/DD/YY)	_ 6 / 17 / 20 09	Time Started:	_ 8 : 39 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input checked="" type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz	Length of Observation:	_ 13 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NO OSPREY OBSERVED
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ..

Photograph File Number(s):	(list individually or the start & end of range) 100-3266 , 100-3267
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
NO ACTIVITY OBSERVED

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

East River Marsh →

Date: (MM/DD/YY)	_ 6 / 17 / 20 09	Time Started:	1 : 21 <input type="checkbox"/> AM / <input checked="" type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input checked="" type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____	Length of Observation:	23 minutes

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) GREAT CONDITION
Nest Present on Pole/Platform:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Mock nest provided by contractor
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	NO OSPREY OBSERVED
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: __

Photograph File Number(s):	(list individually or the start & end of range) 100 - 3353
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
<p>Observed gulls, Terns, Blue Herons, Mallards and Great Egrets near platform.</p>

Niagara Power Project: Osprey Habitat Improvement Project Post-construction Monitoring Form

Buckhorn
(west) →

Date: (MM/DD/YY)	07/16/2009	Time Started:	12:20 <input type="checkbox"/> AM/ <input checked="" type="checkbox"/> PM
Location /Site:	<input checked="" type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz	Length of Observation:	28 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) Excellent; No Damage
Nest Present on Pole/Platform:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Nest Occupied:	<input type="checkbox"/> No <input checked="" type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input checked="" type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe)

Activity/Observations	Check	Describe
Osprey in the Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ONLY ♂ ON NEST OBSERVED
Nest Tending	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	♀ appears to be hunting
Chicks	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Number Observed: 1 ONLY 1 observed @ a given time
Fledglings	<input type="checkbox"/> Yes <input type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) 132-3203, 132-3204, 132-3205, 132-3206
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
Common Tern, Cormorant and a 3RD osprey observed in area; looked as though it was a ♀.

Niagara Power Project: Osprey Habitat Improvement Project Post-construction Monitoring Form

Buckhorn
(East) →

Date: (MM/DD/YY)	07/16/2009	Time Started:	11:29 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input checked="" type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		Length of Observation: 14 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____

Photograph File Number(s):	(list individually or the start & end of range) 132 - 3201
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
Blue Heron in vicinity of platform

Niagara Power Project: Osprey Habitat Improvement Project Post-construction Monitoring Form

Buckhorn
(Central) →

Date: (MM/DD/YY)	07/16/2009	Time Started:	11:10 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input checked="" type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz	Length of Observation:	07 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) 131-3199
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
<p>NO Activity observed</p>

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

EAST RIVER
MARSH ←

Date: (MM/DD/YY)	07/16/2009	Time Started:	1:38 <input type="checkbox"/> AM/ <input checked="" type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input checked="" type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz	Length of Observation:	09 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) Excellent ; No Damage
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) 132-3208
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
No activity observed near site

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

Buckhorn
(west) →

Date: (MM/DD/YY)	08/17/2009	Time Started:	11:30 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input checked="" type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz	Length of Observation:	34 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) Excellent; No Damage
Nest Present on Pole/Platform:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input checked="" type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe)

Activity/Observations	Check	Describe
Osprey in the Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	No feeding but, observed 1 osprey w/ fish in talons. Did not see it land.
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____

Photograph File Number(s):	(list individually or the start & end of range) 100-0707, 100-0708, 100-0709, 100-0711
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
Two (2) osprey observed in area; they circled around nest but did not land on pole or platform. Nest does not appear to be occupied. Also observed Cormorant and Gulls in area.

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

Buckhorn
(East) →

Date: (MM/DD/YY)	08/17/2009	Time Started:	11:10 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input checked="" type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____	Length of Observation:	08 minutes

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) 100-0702, 100-0704
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
No activity observed near site.

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

Buckhorn
(central) →

Date: (MM/DD/YY)	08/17/2009	Time Started:	10:50 <input checked="" type="checkbox"/> AM / <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input checked="" type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz	Length of Observation:	08 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____

Photograph File Number(s):	(list individually or the start & end of range) 100 - 0700, 100 - 0701
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
<p>No activity observed near site.</p>

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

East River Marsh →

Date: (MM/DD/YY)	08 / 17 / 20 09	Time Started:	12 : 30 <input type="checkbox"/> AM / <input checked="" type="checkbox"/> PM
Location /Site:	<input checked="" type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input checked="" type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		Length of Observation: 09 minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) Excellent ; No Damage
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Mock nest still present)
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: ____

Photograph File Number(s):	(list individually or the start & end of range) 100 - 0715, 100 - 0718
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
Swallows observed in area.

Niagara Power Project: Osprey Habitat Improvement Project Post-construction Monitoring Form

Buckhorn
(west) →

Date: (MM/DD/YY)	09/15/2009	Time Started:	11:30 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Location /Site:	<input checked="" type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		Length of Observation:
Observer's Organization	<input checked="" type="checkbox"/> NYP/NYPA Contractor <input type="checkbox"/> Other: _____		
			15 minutes

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) Excellent; no Damage
Nest Present on Pole/Platform:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input checked="" type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe)

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) 100-0901, 100-0900, 100-0898, 100-0902
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
No activity observed.

Niagara Power Project: Osprey Habitat Improvement Project Post-construction Monitoring Form

Buckhorn
(east) →

Date: (MM/DD/YY)	09/15/2009	Time Started:	10:57 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input checked="" type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		Length of Observation:
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		
			10 minutes

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) 100-0892, 100-0893
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
No activity observed.

Niagara Power Project: Osprey Habitat Improvement Project

Post-construction Monitoring Form

Buckhorn
(central) →

Date: (MM/DD/YY)	09/15/2009	Time Started:	11:13 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input checked="" type="checkbox"/> OP-3 <input type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	John Masiewicz		Length of Observation:
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) NA
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) NA

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) 100-0895, 100-0896
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
No activity observed.

Niagara Power Project: Osprey Habitat Improvement Project Post-construction Monitoring Form

East
River →
Marsh

Date: (MM/DD/YY)	<u>09/15/2009</u>	Time Started:	<u>12:10</u> <input type="checkbox"/> AM / <input checked="" type="checkbox"/> PM
Location /Site:	<input type="checkbox"/> OP-1 <input type="checkbox"/> OP-2 <input type="checkbox"/> OP-3 <input checked="" type="checkbox"/> OP-4 <input type="checkbox"/> OP-5 <input type="checkbox"/> OP-6 <input type="checkbox"/> OP-7 <input type="checkbox"/> OP-8	Weather:	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Rain <input type="checkbox"/> Windy <input type="checkbox"/> Cloudy <input type="checkbox"/> Snow
Observer(s):	<u>John Masiewicz</u>	Length of Observation:	<u>12</u> minutes
Observer's Organization	<input checked="" type="checkbox"/> NYPA/NYPA Contractor <input type="checkbox"/> Other: _____		

Pole/Platform Condition:	(e.g., pole leaning, braces broken, etc.) <u>Excellent; No Damage</u>
Nest Present on Pole/Platform:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (<u>Mock nest present</u>)
Nest Occupied:	<input checked="" type="checkbox"/> No <input type="checkbox"/> by Osprey <input type="checkbox"/> by Other Species: _____
Nest Condition (Check one):	<input type="checkbox"/> Nest Secure <input type="checkbox"/> Nest Damaged or Destroyed (if so, describe) <u>NA</u>

Activity/Observations	Check	Describe
Osprey in the Area	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Building in Progress	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Adult Osprey Pair on Nest	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Nest Tending	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Evidence of Incubation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Brooding/Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Feeding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chicks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____
Fledglings	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Number Observed: _____

Photograph File Number(s):	(list individually or the start & end of range) <u>100-0904, 100-0907</u>
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Activity Observed Near Nest Site (Include any activity that may cause nest disturbance):
<u>Gulls and Mallards observed near pole.</u>

Appendix B
Field Photographs From Monitoring Visits

OP-3

May 28, 2009



Osprey Monitoring (6-17-09)

OP-1





OP-2



OP-3



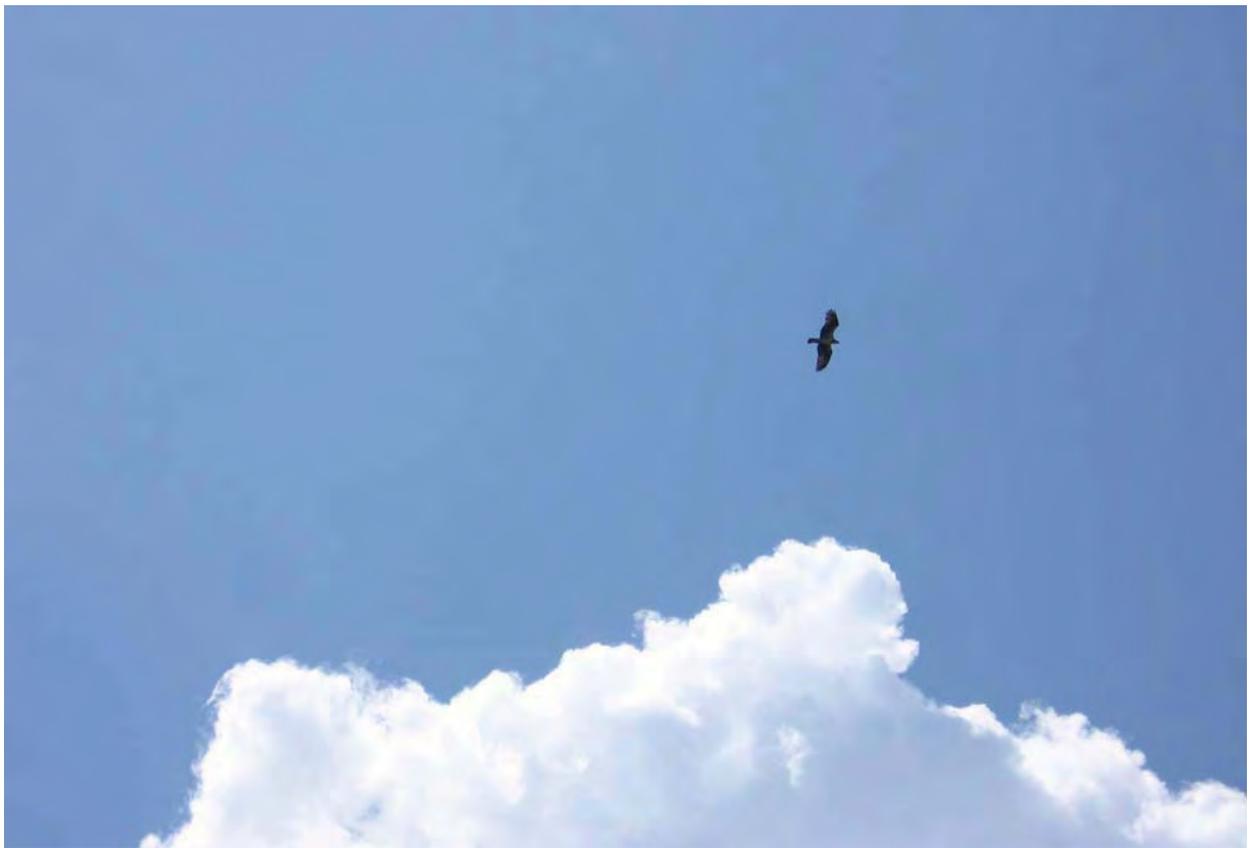
OP-4



Osprey Monitoring (7-16-09)

OP-1 Buckhorn (West)





OP-2 Buckhorn (East)



OP-3 Buckhorn (Central)



OP-4 East River Marsh



Osprey Monitoring (8-17-09)

OP-1 Buckhorn (West)







OP-3 Buckhorn (Central)



OP-4 (East River Marsh)



OP-1 Buckhorn (West)





OP-2 Buckhorn (East)



OP-3 Buckhorn (Central)



OP-4 East River Marsh



Appendix C
Installation Photos for East River Marsh Platform

OP-4 Installation at East River Marsh - June 2009



OP-4 Installation at East River Marsh - June 2009



Appendix D
Photos from Incidental Observations
at East River Marsh

OP-4 – Incidental Observations



Platform OP-4, as viewed from Eagle Scout bird blind. July 20, 2009. Photo courtesy of Paul Leuchner



Eagle Scout bird blind. July 20, 2009. Photo courtesy of Paul Leuchner

OP-4 – Incidental Observations



View of OP-4 from Eagle Scout bird blind. July 20, 2009. Photo courtesy of Paul Leuchner



Visiting osprey at OP-4. September 11, 2009. Photo courtesy of Gary McDannell
