



Photo: Leo Tardiff

# **Project Peregrine**

## **Results of the 2010 Field Season**

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## Summary

Project Peregrine has been intensively monitoring the breeding population of Peregrine Falcons (*Falco peregrinus*) within the Ontario side of the Lake Superior Basin, and northwestern Ontario since 1996. The 2010 field season corresponded with the Ontario Peregrine Falcon Survey that is conducted every five years. When the Provincial Surveys are undertaken, there are additional monies provided by the Province to undertake a thorough search for peregrine activity.

In 2010, there were 72 peregrine falcon territories identified, the highest number of territories recorded to date (previous high was 48 territories in 2009). There were 60 territorial pairs, and 12 single birds on territory. The breeding success of the 60 territorial pairs consisted of 44 breeding pairs, of which 39 pairs were known to have hatched young, and at least 109 young were assumed to have fledged. The number of chicks assumed to have fledged would be higher, but a number of the nesting sites were not visited a second time to confirm breeding success. Fifteen new territories were confirmed in 2010.

Thirteen nest sites were accessed by the banding team and 36 chicks (25 males, and 11 females) were banded. Banding activities were initiated on June 18 and concluded on June 26. Ten of the 36 chicks that were banded had blow fly (*Calliphoridae spp.*) maggot infestation in their ears. A total of 470 peregrine falcon chicks have now been banded at cliff nest sites since 1996.

When the banding team is at the nest site to band the chicks, prey remains are collected from the nest ledge. Twenty-six species of birds were identified from fifty prey items. New species identified in 2010 were: Bonaparte's Gull, Common Raven, Yellow Warbler, Canada Goose young, and Gadwall.

Project Peregrine is indebted to the many volunteers, Pukaskwa National Park and OMNR staff who took time to survey known cliff sites, and new cliff sites for peregrine activity in 2010. With the ever increasing number of territories to monitor each year, their time and efforts are greatly appreciated. To the climbers: Frank Pianka, Leo Tardiff, and Rod Swatton, who make up the banding team, a special thank you for your expertise and over 220 hours of donated time. Your continued interest in this project is also greatly appreciated.

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## Lake Superior Basin and Northwestern Ontario Peregrine Falcon Breeding Summary 1996-2010.

Year	# of Territories	# of Territorial Pairs	# of Breeding Pairs	# of Successful Pairs	# of Young Fledged	# of Young/Breeding Pair	# of Young/Successful Pair	# of chicks banded
1996	7	6	5	5	16	3.2	3.2	16
1997	15	13	10	9	25	2.5	2.8	23
1998	20	17	14	14	38	2.7	2.7	31
1999	18	12	11	11	30	2.7	2.2	20
2000	32	25	18	16	43	2.4	2.7	27
2001	26	25	23	22	52	2.3	2.3	40
2002	33	30	23	19	51	2.2	2.7	38
2003	38	34	31	29	70	2.3	2.4	46
2004	42	30	25	22	50	2.0	2.3	31
2005	43	39	34	30	79	2.3	2.6	47
2006	44	38	28	26	66	2.4	2.5	35
2007	44	37	31	26	56	1.8	2.2	29
2008	42	34	27	19	40	1.5	2.1	21
2009	48	37	33	27	65	2.0	2.4	30
2010	72	60	44	39	109	2.5	2.8	36

### Peregrine Falcon Banding Data for 2010

Number of young assumed to have fledge ( )

Thirty six peregrine falcon chicks were banded at 13 nest sites from June 18 to June 26, 2010. Below is the information collected at each banding site.

#### South Gillies, Hwy 595, Southwest of Microwave Tower

Coordinates: 16U 296200E 5342470N

June 18, 2010

One adult and at least 2 chicks approximately 10 days old were observed during the helicopter flight on May 31. On June 18, the banding team accessed the site and three chicks were banded. (3)

Female	72 over W	1687-19571	29 days	915 gms
Female	73 over W	1687-19572	28 days	894 gms
Male	70 over Y	1126-04811	26 days	702 gms

Year territory occupied: 2001

First nest attempt: 2001

Young produced: 13

**Oliver Creek Road**

Coordinates: 16U 309275E 5353056N

June 18, 2010

A adult male was observed here on March 14, the earliest spring date that a peregrine has been identified on territory for any site in northwestern Ontario. On June 18, three chicks were banded. The adult female is not banded and the adult male is black banded. (3)

Female	74 over W	1687-19573	25 days	842 gms
Female	75 over W	1687-19574	26 days	874 gms
Male	71 over Y	1126-04812	27 days	631 gms

Year territory occupied: 2004      First nest attempt: 2006      Young produced: 14

**Nipigon River Mouth**

Coordinates: 16U 409151E 5424504N

June 19, 2010

During the June 2 helicopter flight, at least 3 chicks about 10 days old were observed. Four chicks were banded on June 19. One male chick (76 over W) had large legs and was given female bands. The adult female is not banded. (4)

Male	72 over Y	1126-04813	26 days	601 gms
Male	73 over Y	1126-04814	27 days	641 gms
Male	76 over W	1687-19575	24 days	642 gms
Female	77 over W	1687-19576	28 days	920 gms

Year territory occupied: 1991      First nest attempt: 1996      Young produced: 38

**Nipigon Bay Lookout (New nest site)**

Coordinates: 16U 427876E 5423980N

June 19, 2010

This site was occupied by a single adult in 1998 and again in 2000. There have been no other observations or reports of birds at this site until 2010. On June 3, the female was sitting on a nest with at least 2 young under her. The banding team banded 3 chicks on June 3. All three chicks had bad infestation on blow fly larva in both ears. Large plugs were removed from the ears. The adult female is not banded. (3).

Male	74 over Y	1126-04815	24 days	611 gms
Male	75 over Y	1126-04816	20 days	500 gms
Female	78 over W	1687-19577	23 days	702 gms

Year territory occupied: 1998      First nest attempt: 2010      Young produced: 3

**Note:** 1126-04816, was found injured at Atlantic City, New Jersey on Sept. 15, 2010. The bird sustained major injuries, and was euthanized. The ear openings had reduced in size, and were almost normal size. Chick 1687-19577, was reported injured at Poblado Multe, Balancan, Tabasco, Mexico on Oct. 25, 2010. It is currently being rehabilitated. Tabasco is 3400 km from Nipigon Bay Lookout.

**Coppercliff Road West**

Coordinates: 16U 315389E 5341841N  
June 21, 2010.

One adult was observed here on March 28. Both adults, 2 chicks about 7 days old and one egg were observed during the helicopter flight of June 3. Three chicks were banded on June 21. One unhatched egg was collected. The adult female is banded with a USFWS band only, and the adult male is Black 4? over V, a 2006 banded bird. (3)

Male	79 over Y	1126-04820	22 days	521 gms
Male	80 over Y	1126-04821	23 days	542 gms
Female	79 over W	1687-19578	25 days	757 gms

Year territory occupied: 1999      First nest attempt: 2000      Young produced: 25

**Mt. McRae**

Coordinates: 16U 328188E 5354029N  
June 21, 2010.

The nest site this year was on the east cliff face. This is the third time that the birds have nested on this cliff face (2004, 2005). Most years the birds nest on the west cliff face. The nest was located on the same ledge as in 2004. On June 3, the female was on the nest with at least one chick about 7 days old. Four chicks were banded on June 21. The adult female is banded. (4)

Male	81 over Y	1126-04822	27 days	623 gms
Male	R over 00	1126-04823	28 days	634 gms
Male	R over 01	1126-04824	24 days	554 gms
Female	67 over X	1687-19579	25 days	834 gms

Year territory occupied: 1996      First nest attempt: 1996      Young produced: 44

**Arrow Lake West End**

Coordinates: 15U 691940E 5333612N

June 22, 2010

The female and 4 eggs were observed on the usual ledge during the helicopter flight on May 31. The banding team banded two chicks on June 21. The adult male is not banded. Band number 71 over W was found on the nest ledge. This band was placed on a female chick in 2009. (2)

Male	R over 02	1126-04825	18 days	482 gms
Male	R over 03	1126-04826	19 days	451 gms

Year territory occupied: 2004      First nest attempt: 2005      Young produced: 13

**Arrow Lake Provincial Park**

Coordinates: 15U 707178E 5340215N

June 22, 2010

During the May 31, helicopter flight, there were at least three chicks about 7 days old observed in the same nest as in 2009. Four male chicks were banded on June 22. Chick R over 04 had flow fly in one ear, and chick R over 05 had an extreme case of blow fly infestation in both ears. (4)

Male	R over 04	1126-04827	29 days	678 gms
Male	R over 05	1126-04828	30 days	635 gms
Male	R over 06	1126-04829	27 days	660 gms
Male	R over 07	1126-04830	28 days	705 gms

Year territory occupied: 2004      First nest attempt: 2005      Young produced: 14

**Dorion Tower**

Coordinates: 16U 380782E 5408072N

June 23, 2010

On the June 1 helicopter flight, the female was observed sitting tight on the usual nest ledge. One chick was banded on June 23. This chick had blow fly infestation in both ears. One unhatched egg was also collected. The adult female is not banded. A motion detection camera was left at this ledge and photos were taken of the chick and adult female over a 3 day period. (1)

Male	R over 08	1126-04831	20 days	441 gms
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Year territory occupied: 2002      First nest attempt: 2002      Young produced: 18

**Finger Point, Lake Superior**

Coordinates: 16U 310077E 5320858N

June 24, 2010.

A new nest site was identified during the June 3 helicopter flight. The female and one chick and one egg were observed about 600 metres farther west than the 2008 nest site. On a follow-up flight on June 23, two chicks about 22 days old were spotted. On June 24, 2 chicks were banded. (2)

Male	R over 09	1126-04832	22 days	373 gms
Male	R over 10	1126-04833	23 days	433 gms

Year territory occupied: 2005      First nest attempt: 2008      Young produced: 4

**Kama Bay**

Coordinates: 16U 425243E 5427408N

June 25, 2010.

A new nest ledge was located during the helicopter flight of June 2. The female was tight on the nest. On June 25, one chick was banded. There were three broken eggs found about 10 metres below the nest ledge which was sloped downward. The adult female is not banded. (1)

Male	P over 61	1126-04834	30 days	724 gms
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Year territory occupied: 1995      First nest attempt: 2001      Young produced: 19

**Mount McQuiag (New territory and nest site in 2010)**

Coordinates: 16U 322301E 5350964N

June 26, 2010.

This is the first year that birds have been identified at this site. On the June 3 helicopter flight, the female and at least 2 chicks about 7 days old were observed. The banding team banded three chicks on June 26. All three chicks had infestation of blow flies in both ears. The adult female is Black 34 over W (1807-18293), a 2006 Nipigon River Mouth banded bird. (3)

Female	68 over X	1687-19580	28 days	758 gms
Female	69 over X	1687-19581	27 days	726 gms
Female	70 over X	1687-19582	26 days	694 gms

Year territory occupied: 2010      First nest attempt: 2010      Young produced: 3

**Banding summary of peregrine falcon chicks at cliff nest sites from 1996-2010.**

<b>Year</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
<b>1996</b>	11	5	16
<b>1997</b>	12	11	23
<b>1998</b>	16	15	31
<b>1999</b>	13	7	20
<b>2000</b>	14	13	27
<b>2001</b>	20	20	40
<b>2002</b>	22	16	38
<b>2003</b>	21	25	46
<b>2004</b>	20	11	31
<b>2005</b>	26	21	47
<b>2006</b>	19	16	35
<b>2007</b>	19	10	29
<b>2008</b>	10	11	21
<b>2009</b>	17	13	30
<b>2010</b>	25	11	36
<b>Total</b>	<b>265</b>	<b>205</b>	<b>470</b>

**Additional Peregrine Falcon Breeding Pairs**

Number of young assumed to have fledged ( )

**South Fowl Lake**

Coordinates: 16U 277052E 5325141N

A single adult was observed from the helicopter on May 31. On June 23, a new nest site about 15 metres south of the usual nest was found with four chicks about 28 days old. (4)

Year territory occupied: 2001      First nest attempt: 2008      Young produced: 8

**Thunder Cape, Sleeping Giant Provincial Park**

Coordinates: 16U357700E 5353400N

At least two chicks about 7 days old were observed from the helicopter on June 1. The nest site was on the usual ledge. (2)

Year territory occupied: 1990      First nest attempt: 1993      Young produced: 32

**Cliff Three Kilometres West of Jackpine Hwy 593**

Coordinates: 16U 282004E 5336282N

What appeared to be three chicks about 7 days old were observed from the helicopter on May 31. The nest was on the same ledge as in 2009. On June 23, there were four chicks about 30 days old in the nest. (4)

Year territory occupied: 2005            First nest attempt: 2006            Young produced: 10

**Mink Bay**

Coordinates: 16U 328130E 5336351N

Frank Beck reports pair in early April. One adult was observed on June 3. A new nest ledge was located during the helicopter flight of June 23, with two chicks about 26 days old. (2)

Year territory occupied: 1998            First nest attempt: 2000            Young produced: 12

**Flatland Harbour**

Coordinates: 16U 331153E 5342693N

A pair of birds was observed from the ground on March 28. Both adults were spotted from the helicopter on June 3, but no nest was located. On June 23, four chicks about 32 days were recorded on a new nest ledge about 10 metres north of the 2009 nest ledge. (4)

Year territory occupied: 2000            First nest attempt: 2003            Young produced: 23

**Pie Island, Le Pate**

Coordinates: 16U 339493E 5344900N

During the helicopter flight of June 1, the female was observed sitting tight on the nest with at least 2 chicks about 7 days old in front of her. There were three chicks about 32 days old observed on June 23. (3)

Year territory occupied: 1994            First nest attempt: 1994            Young produced: 22

**South of Lomond River**

Coordinates: 16U 332225E 5347872N

The female was on the nest during the helicopter flight of June 1. On June 23, four chicks about 26 days old were observed. (4)

Year territory occupied: 1993            First nest attempt: 1993            Young produced: 10

**East of Matson Lake**

Coordinates: 16U 299541E 5331692N

During the helicopter flight of May 31, the female was observed on the nest. On June 23, two chicks about 14 days old were recorded. (2)

Year territory occupied: 2002      First nest attempt: 2003      Young produced: 4

**Cape Victoria**

Coordinates: 16U 500070E 5403110N

No activity was observed from the helicopter on June 2. Julian Holenstein observed one adult and two chicks flying on July 11. (2)

Year territory occupied: 2003      First nest attempt: 2005      Young produced: 8

**McKellar Point, Lake Superior**

Coordinates: 16U 320200E 5326300N

Three chicks about 7 days old were observed on June 3. On June 23, there were only 2 chicks about 24 days old on the nest ledge. (2)

Year territory occupied: 2007      First nest attempt: 2007      Young produced: 4

**Pie Island, Greenstone Point**

Coordinates: 16U 342800E 5342500N

On June 1, the female was sitting on the nest. There were four chicks about 25 days old identified from the helicopter on June 23. (4)

Year territory occupied: 2000      First nest attempt: 2000      Young produced: 18

**Otter Island, Black Bay Peninsula (New Territory and nest site in 2010)**

Coordinates: 16U 406214E 5382008N

On July 14, Ray Boudreau with Parks Canada was advised that a nest with four young was located on Otter Island. A photograph indicated that the chicks were about 24 days old. This new nest site is located on a small cliff face about 5 metres off of the water. (4)

Year territory occupied: 2010      First nest attempt: 2010      Young produced: 4

**Havilland Bay**

Coordinates: 16T 699224E 5188502N

Nathan Haynes reports that a single bird was on site on March 17 and a pair on March 31. Three chicks about 16 days old were observed on June 10 from the helicopter. (3)

Year territory occupied: 1998      First nest attempt: 1999      Young produced: 14

**Devil's Warehouse Island, Lake Superior Provincial Park**

Coordinates: 16T 650515E 5270582N

On June 10, there appeared to be 3 chicks about 16 days old. (3)

Year territory occupied: 1993      First nest attempt: 1993      Young produced: 42

**Old Woman Bay, Lake Superior Provincial Park**

Coordinates: 16T 656217E 5293529N

A territorial pair was observed on April 2. A new nest site with 3 young was identified on June 23. At least 2 possibly three fledged young observed on July 27. (3)

Year territory occupied: 1998      First nest attempt: 1998      Young produced: 31

**Robertson Lake**

Coordinates: 16T 705100E 5182700N

Territorial pair first reported on April 12, and the same nest as in 2009 had 2 young on June 26. (2)

Year territory occupied: 1997      First nest attempt: 1997      Young produced: 8

**Alona Bay-Theano Point**

Coordinates: 16T 674354E 5227286N

A single bird was observed and one was heard on May 20. Four chicks were observed from the helicopter on June 18. (4)

Year territory occupied: 2000      First nest attempt: 2003      Young produced: 6

**Beaver Rock, Lake Superior Provincial Park**

Coordinates: 16T 682044E 5241814N

Pair observed on April 2. On June 12, an adult and 3 young about 16 days old were observed on the 2008 nest ledge. At least two fledged young were observed July 28. (3)

Year territory occupied: 2002      First nest attempt: 2003      Young produced: 14

**Cap Chaillon, Lake Superior Provincial Park**

Coordinates: 16T 650206E 5286799N

A pair of birds was on territory on April 24. There were three chicks about 16 days old observed from the helicopter on June 12. (3)

Year territory occupied: 2004      First nest attempt: 2004      Young produced: 5

**Agawa River (Burnt Rock Pool) Lake Superior Provincial Park**

Coordinates: 16T 681500E 5249700N

There was a pair on site on April 2. A nest with 2 young was observed on July 9. (2)

Year territory occupied: 2008      First nest attempt: 2008      Young fledged: 6

**Agawa Rock Pictographs, Lake Superior Provincial Park**

Coordinates: 16T 673704E 5248604

On May 22, an adult was incubating on a ledge just slightly lower than in 2009. There were two young about 30 days old on July 10 and 2 fledged young on July 20. (2)

Year territory occupied: 2009      First nest attempt: 2009      Young produced: 4

**Till Creek, north of Bushy Bay, Lake Superior Provincial Park**

Coordinates: 16T 654300E 5289800N

A pair of birds and one young about 22 days old was observed on July 7. (1)

Year territory occupied: 2008      First nest attempt: 2010      Young fledged: 1

**Pukaskwa Point**

Coordinates: 16U 583160E 5316314N

An adult and two chicks about 18 days old were observed in the usual nest during the helicopter flight of June 12. On August 12, both adults and two fledged young were observed. (2)

Year territory occupied: 2000      First nest attempt: 2000      Young produced: 9

**Pukaskwa Depot**

Coordinates: 16U 580519E 5319689N

A single bird was observed May 15-18. On June 12, the pair and 4 chicks about 22-24 days old were observed. (4)

Year territory occupied: 2001      First nest attempt: 2001      Young produced: 29

**Point Isacor**

Coordinates: 16T 623137E 5311010N

On June 12, the nest site was confirmed from the helicopter and 2 young about 22 days were observed. One fledged chick was spotted on July 10. (2)

Year territory occupied: 2002      First nest attempt: 2003      Young produced: 9

**East Michipicoten Bay (New territory and nest site in 2010)**

Coordinates: 16T 659878E 5307845N

On July 14, both adults and two young were located at this new site. (2)

Year territory occupied: 2010      First nest attempt: 2010      Young produced: 2

**Mount McKay**

Coordinates: 16U 330340E 5357319N

On March 28, a single adult was on territory. On June 1, the female was sitting tight on the nest in a crack that was used in 1998. The female was still sitting tight on the nest during the helicopter flight of June 23. The nest ledge was scoped from the ground during early July but no young were observed. (0)

Year territory occupied: 1994      First nest attempt: 1994      Young produced: 31

**Small Lake (Grassie), South of Sturgeon Bay Road**

Coordinates: 16U 324910E 5338641N

The female and at least three chicks about 7 days old were observed on June 3. On June 23, the nest ledge was empty and no adults were observed. (0)

Year territory occupied: 2005      First nest attempt: 2005      Young produced: 7

**Quarry Island, Rossport**

Coordinates: 16U 461700E 5407400N

Rob Stewart reports a vocal adult on May 26. On June 2, the female was observed on the nest from the helicopter. No further information is available for this site. (0)

Year territory occupied: 2009      First nest attempt: 2009      Young produced: 0

**Nipigon Microwave Tower (New Territory and Nest Site in 2010)**

Coordinates: 16U 395043E 5431191N

This new site was identified on June 2 as the female with at least two eggs in front of here was observed from the helicopter. On June 25 the banding team accessed the site and found three eggs, one unhatched and two that had hatched. There were no adults. (0)

Year territory occupied: 2010      First nest attempt: 2010      Young produced: 0

**Santoy Lake (New territory and nest site in 2010)**

Coordinates: 16U 509064E 5410722N

This is a new territory and nest site as a female was observed from the helicopter sitting tight on the nest. No further information is available for this site. (0)

Year territory occupied: 2010      First nest attempt: 2010      Young produced: 0

**Peregrine Falcon Territorial Pairs, No Nesting Confirmed**

**Macdiarmid, Orient Bay, Lake Nipigon**

Coordinates: 16U 417900E 5468500N

On June 2, both adults were observed from the helicopter but no nest was located.

Year territory occupied: 2008      First nest attempt: 2008      Young produced: 0

**Squaw Bay**

Coordinates: 16U 333796E 5351999N

June 25, 2009

One adult was on territory on March 28. Both adults were observed from the helicopter on June 1, but no nest was located. There was no sign of a nest and only one adult on June 23. (0)

Year territory occupied: 1997      First nest attempt: 1998      Young produced: 32

**Pie Island- East Side**

Coordinates: 16U 346834E 5343490N

Two adults were observed from the helicopter on June 1, bit no nest located. No adults were observed on June 23. (0)

Year territory occupied: 1993      First nest attempt: 1993      Young produced: 4

**Ouimet Canyon Provincial Park (New pair in 2010)**

Coordinates: 16U 377500E 5405500N

A single adult was observed here by Al Harris in May 2009. A pair of birds was observed by many people during the summer of 2010. The female was a sub-adult bird, the male is black banded. No nest and no fledged young were observed.

Year territory occupied: 2009            First nest attempt: xxxx            Young produced: 0

**Jessie Lake**

Coordinates: 16U 402795E 5456393N

On June 2, a very defensive pair of birds was located at the cliff face that is closer to the Nipigon River. This cliff face is about one kilometre north of reports in previous years. No nest was located.

Year territory occupied: 2003            First nest attempt: 2003            Young produced: 2

**Armour Island**

Coordinates: 16U 436384E 5399410N

Both adults were observed from the helicopter on June 2. No nest was located.

Year territory occupied: 2006            First nest attempt: xxxx            Young produced: 0

**North Fowl Lake (New territory in 2010)**

Coordinates: 15U 723304E 5329701N

This is a new territory and two adults were observed from the helicopter on May 31. On June 23, no birds were observed from the helicopter.

Year territory occupied: 2010            First nest attempt: xxxx            Young produced: 0

**Wolf Lake (New territory in 2010)**

Coordinates: 16U 377327E 5416592N

This is the first year that peregrines have been identified at this site. On June 1, two adults were observed from the helicopter. No additional information for this site.

Year territory occupied: 2010            First nest attempt: xxxx            Young produced: 0

**Ruby Lake**

Coordinates: 16U 413400E 5426211N

This site had a single adult in 2004. This is the first year that a pair has been observed when a very defensive pair was spotted from the helicopter on June 2. On June 28, Steve Kingston reports seeing no birds.

Year territory occupied: 2004      First nest attempt: xxxx      Young produced: 0

**Spar Island (New territory in 2010)**

Coordinates: 16U 332237E 5332257N

This is the first year that birds have been observed at this site. Two adults were observed from the helicopter on June 3, but no birds were seen on June 23.

Year territory occupied: 2010      First nest attempt: xxxx      Young produced: 0

**Russell Point, Flatland Harbour. (New territory in 2010)**

Coordinates: 16U 330869E 5346059N

This is a new site with two adults observed on June 3. No birds were spotted from the helicopter on June 32.

Year territory occupied: 2010      First nest attempt: xxxx      Young produced: 0

**Red Rock Mill, (New territory in 2010)**

Coordinates: 16U 408400E 5421300N

This site is the first location where a territorial pair has been utilizing a smoke stack during the Project Peregrine monitoring program. There have been numerous observations during the summer of two birds around the mill site, and their favourite perch has been the smoke stack. No chicks were observed flying. Access to check for a nest was denied. The mill is being decommissioned with a lot of activity to gut the buildings.

Year territory occupied: 2010      First nest attempt: xxxx      Young produced: 0

**Red Sucker Cove**

Coordinates: 16U 537293E 5402006N

Staff at Pukaskwa National Park report that a pair of birds were on site in May.

Year territory occupied: 2000      First nest attempt: 2000      Young produced: 21

**Sault Ste. Marie (Nest on Michigan side of bridge this year)**

Coordinates: 16T 702300E 5153300N

The pair nested on the Michigan side of the bridge and produced 4 eggs. The eggs disappeared during incubation. This pair counts as a territorial pair as they are often seen in Sault Ste Marie.

Year territory occupied: 1999            First nest attempt: 2000            Young produced: 2

**Wawa-Helen Mine**

Coordinates: 16T 660300E 5313400N

On June 18, the helicopter survey noted a pair of birds. One adult was spotted on July 8 and 15. Access is limited.

Year territory occupied: 2002            First nest attempt: xxxx            Young produced: 0

**Michipicoten Island-Schafer Bay**

Coordinates: 16U 580213E 5288218N

On May 11, there was a pair near Schafer Bay. On June 17 only one adult was observed from the helicopter. A single adult was also observed on July 10.

Year territory occupied: 2004            First nest attempt: xxxx            Young produced: 0

**Single Adult Peregrine Falcons on Territory**

**South end of Long Lake**

Coordinates: 16U 494626E 5453878N

Ray Tyhuis has observed peregrines at this location over the past two summers. On June 2, a single adult was observed at this cliff face. It was last seen flying north towards another cliff face about 1 kilometre away. When the northern face was flown a single bird was also observed.

Year territory occupied: 2008            First nest attempt: xxxx            Young produced: 0

**Pine Lake (New territory in 2010)**

Coordinates: 16U 293343E 5333717N

A single adult was observed here during the helicopter flight on May 31, and on June 23. No nest was located.

Year territory occupied: 2010            First nest attempt: xxxx            Young produced: 0

**Cavers Bay**

Coordinates: 16U 451783E 5415237N

A single unbanded adult was observed from the helicopter on June 2.

Year territory occupied: 2005      First nest attempt: 2005      Young produced: 2

**Undercliff Island, Lake Nipigon**

Coordinates: 16U 366100E 5529200N

A single adult was observed here on March 24. There is no additional information for this site.

Year territory occupied: 2002      First nest attempt: 2006      Young produced: 1

**Sleeping Giant Provincial Park-Tee Harbour (New territory in 2010)**

Coordinates: 16U 360746E 5355088N

This is a new territory and a single adult was observed from the helicopter on June 1.

Year territory occupied: 2010      First nest attempt: xxxx      Young produced: 0

**Black Sturgeon Road, Hurkett-Claghorn. (New territory in 2010)**

Coordinates: 16U 385731E 5418931N

Another new territory with a single adult observed from the helicopter on June 1.

Year territory occupied: 2010      First nest attempt: xxxx      Young produced: 0

**Pie Island- Perch Lake**

Coordinates: 16U 341814E 5344577N

One adult was observed from the helicopter on June 1 and no birds on June 23.

Year territory occupied: 1996      First nest attempt: 1996      Young produced: 8

**Pie Island, Turtle Head**

Coordinates: 16U 347500E 5345600N

A single adult was observed on June 1 and on June 23. No nest was located.

Year territory occupied: 1998      First nest attempt: 1998      Young produced: 22

**Big Trout Bay**

Coordinates: 16U 315573E 5325506N

One adult was observed on June 3, and no bird on June 23.

Year territory occupied: 2007      First nest attempt: 2008      Young produced: 1

**Squaretop Mountain**

Coordinates: 16U 320439E 5348940N

A single adult was observed on March 28, but there was no birds seen during the helicopter flight of June 3. A single adult was also observed on June 23 but no nest site was located.

Year territory occupied: 1997      First nest attempt: 1997      Young produced: 36

**Montreal River-North of Railway Bridge**

Coordinates: 16T 695332E 5240950N

One adult was observed from the helicopter on June 12, and 18. Steve Tice reports hearing one bird and possibly a second one on August 3.

Year territory occupied: 1999      First nest attempt: 2004      Young produced: 4

**Michipicoten Island –Phillips Creek (New Territory in 2010)**

Coordinates: 16T 584071E 5292149N

One adult was observed her by Carol Dersch during the helicopter survey.

Year territory occupied: 2010      First nest attempt: xxxx      Young produced: 0

**Previous Peregrine Falcon Territories with No Sightings in 2010****Whitefish Lake**

Coordinates: 15U 718252E 5343413N

This site was flown in May 31 and June 23, and there was no sign of adults or nest.

Year territory occupied: 1998      First nest attempt: 1998      Young produced: 22

**Caribou Island**

Coordinates: 16U 363235E 5376630N

There were no birds observed from the helicopter on June 1, and no other reports.

Year territory occupied: 2000      First nest attempt: 2001      Young produced: 16

**Arrow River Road, Devon Township**

Coordinates: 16U 286095E 5326003

No activity was observed from the helicopter on May 31.

Year territory occupied: 2008      First nest attempt: 2008      Young fledged: 0

**Thompson Island**

Coordinates: 16U 338385E 5336804N

No activity was observed from the helicopter on June 3.

Year territory occupied: 2007      First nest attempt: 2007      Young produced: 1

**Jarvis Point**

Coordinates: 16U 325942E 5331322N

No activity observed from helicopter on June 3 and June 23.

Year territory occupied: 2003      First nest attempt: xxxx      Young produced: 0

**Northwest of Mollie Mountain**

Coordinates: 16U 314400E 5327596N

No activity on June 3.

Year territory occupied: 1997      First nest attempt: 1998      Young produced: 19

**Atikokan, Steep Rock Mine**

Coordinates: 15U 599000E 5408500N

No reports for 2010.

Year territory occupied: 2000      First nest attempt: xxxx      Young produced: 0

**Otter Island, Pukaskwa National Park**

Coordinates: 16U 571672E 5327585N

No reports for 2010.

Year territory occupied: 2000      First nest attempt: 2000      Young produced: 14

## **Pointe la Canadienne, Pukaskwa National Park**

Coordinates: 16U 579056E 5319314N

No reports for 2010. The pair that nested here in 2009 possibly moved back to Pukaskwa Depot which is about 1 kilometre away.

Year territory occupied: 1999      First nest attempt: 2009      Young produced: 2

### **Species of birds identified from prey remains**

Project Peregrine has been banding Peregrine Falcon chicks at cliff nest sites since 1996. When the climbers are at the nest ledge to retrieve the chicks for banding, prey remains are also collected. These prey remains (feathers, body parts etc.) are then identified to see what prey species the peregrines are utilizing. In 2010, 26 different species of birds were identified from 50 prey items. Since 1996, 81 different prey species of birds and mammals have been identified. Five new species were added to the list in 2010: Bonaparte's Gull, Common Raven, Yellow Warbler, Canada Goose young, and Gadwall. Below is a list of all the prey species identified at each nest site. \*- Indicates new species identified for Project Peregrine.

<b>Oliver Creek Road-</b>	American Robin, American Crow, Rock Pigeon, Killdeer, Bonaparte's Gull*.
<b>Mount McRae-</b>	Northern Flicker, Rock Pigeon, Killdeer, American Robin.
<b>Arrow Lake P.P.-</b>	Northern Flicker, Cedar Waxwing, Blue Jay, Rose-breasted Grosbeak, Rock Pigeon, Yellow Warbler*, Canada Goose young*, Lesser Scaup.
<b>South Gillies-</b>	Peregrine Falcon chick, American Robin, American Crow. American Woodcock, Rusty Blackbird.
<b>Kama Bay-</b>	Cedar Waxwing, Blue Jay, American Crow.
<b>Mt. McQuaig-</b>	Rock Pigeon, Peregrine Falcon chick, Long-eared Owl, Hairy Woodpecker, American Kestrel.
<b>Finger Point-</b>	Blue Jay, Herring Gull, Common Goldeneye.
<b>Nipigon Bay, Lookout-</b>	Broad-winged Hawk, American Robin, American Crow, Sharp-shinned Hawk, American Kestrel.
<b>Sturgeon Bay Road Farm-</b>	Rock Pigeon, Wood Duck, Blue Jay.
<b>Coppercliff Rd. West-</b>	Common Raven*, Gadwall*
<b>Nipigon River Mouth-</b>	Blue Jay, American Robin
<b>Arrow Lake West End-</b>	Cedar Waxwing, Blue Jay, Ring-billed Gull, American Kestrel, Lesser Scaup.

## **Identification of previous banded Peregrine Falcons.**

At North Shore Mining at Silver Bay, Minnesota, the breeding male was Black banded and was probably resident male for the past few years, Black 14 over H, 2206-12449. This bird was banded at NW Mollie Mountain in 2004. Three chicks fledged in 2010.

General Mills Building, Superior, Wisconsin. Female Black banded \*B over 8, 1807-18249, a 2004 Mt. McRae banded bird, was the breeding female at this site in 2010 producing 3 young.

A male chick 1126-04941, Black 77 over V, banded June 26, 2008 at Mt. McRae, was reported to the banding office as being recovered in Feb. 2009 at Santa Fe, Argentina. This is the farthest south recovery (9300 km) of any bird banded by Project Peregrine.

Female 1807-18280, Black 53 over K a 2006 Squaretop Mountain banded bird was the nesting female at the Mayo Clinic, Rochester, MN. Three male chicks fledged. This bird was the breeding female at Carlton Peaks, MN in 2009.

Female banded bird 1807-18234, Black \*Y over 6, a 2003 Caribou Island banded bird was admitted to the Raptor Centre, Minneapolis, MN with fractured humerus and lead shot. She was euthanized on April 23/10. This bird was the breeding female at Duluth on the Bong Bridge since 2006.

A new territorial pair has established at the Garden River First Nations Reserve just east of Sault Ste. Marie. There is a historical site from 1932 not far from the cliff that is now being used. The female is 1687-19543, Black 44 over W, a 2007 Mt. McRae banded bird.